

Nikon

NX Field System

User's Manual

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About This Document

The following symbols and conventions are used throughout this document.

Symbols

The following symbols are used in this document. Use them to help locate the information you need.

	This icon marks notes, information that should be read before using the NX Field system.
	This icon marks tips, additional information you may find helpful when using the NX Field system.
	This icon marks references to other sections in this document.

Conventions

- In this document, the camera transmitting synchronized release commands is referred to as the “master camera” and any camera responding with synchronized release as a “remote camera”.
- Most screenshots in this document show app functions with a Z9 “C” firmware version 5.10 and iOS/iPadOS version 17.

Background Knowledge

This document assumes basic knowledge of networks and, in the case of the Z9, Z8, Z6III, D6, and D5, FTP servers. For more information on operating and configuring FTP servers, contact the vendor of the FTP software in question or consult commercially-available books or other reference materials.

Compatible Cameras

The NX Field system can be used with the Z9, Z8, Z6III, Z7II, Z6II, Z7, Z6, D6, and D5. For information on your camera, refer to:

[Using the NX Field System: Z9, Z8, Z6III, D6, and D5 Cameras](#) (📖 7)

[Using the NX Field System: Z7II, Z6II, Z7, and Z6 Cameras](#) (📖 323)

Using the NX Field System: Z9, Z8, Z6III, D6, and D5 Cameras

The NX Field system lets you operate cameras remotely from a master camera or from an iPhone or iPad running the NX Field app (📖 11). The cameras will require an update to install compatible firmware before they can be used with the NX Field system.

Updating the Camera Firmware

- Cameras that support NX Field features via normal firmware updates:
 - Z9 cameras (“C” firmware version 5.20 or later)
- Cameras that require a fee-for-service update from a Nikon-authorized service representative to use NX Field features:
 - Z8 cameras
 - Z6III cameras
 - D6 cameras
 - D5 cameras

Checking Camera Firmware

Cameras that have received the firmware update have the following items in their menus:

- Z9, Z8, and Z6III cameras: [**Connect to other cameras**] > [**Link profile**].
- D6 cameras: [**Wired LAN/WT**] > [**Options**] > [**Sync. release with FTP**].
- D5 cameras: [**Network**] > [**Options**] > [**Sync. release with FTP**].

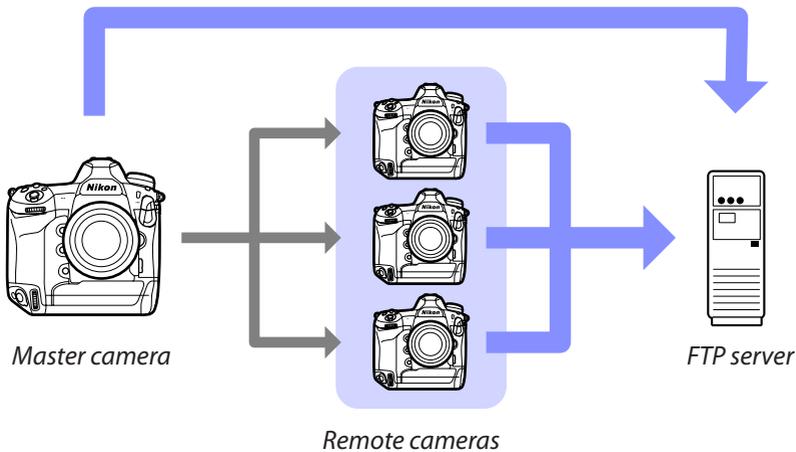
What the NX Field System Can Do for You

Using the NX Field system, you can control multiple cameras remotely from a master camera, iPhone, or iPad and upload pictures to an FTP server as they are taken.

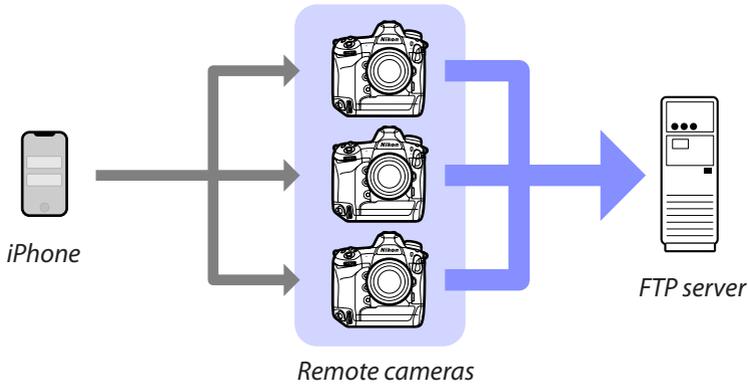
Wireless Connections

Although the NX Field system can connect to wireless networks via a WT-5 or WT-6 wireless transmitter or the Z9, Z8, or Z6III's built-in wireless LAN, Ethernet networks are a better choice as they ensure reliable remote camera control and FTP upload unaffected by variations in signal strength. To reconnect after losing a wireless connection due to signal interruption or the like, wait for the network to restart and then turn the camera off and on.

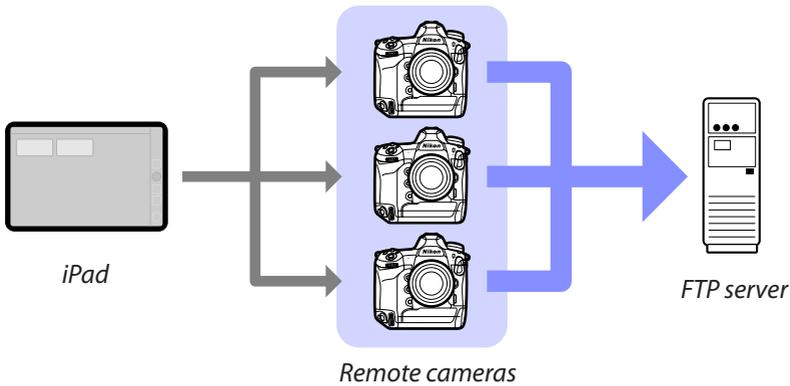
Taking and Uploading Pictures with Master and Remote Cameras (72)



■ Remotely Taking and Selecting Pictures for Upload with an iPhone (📖 80)



■ Remotely Taking and Selecting Pictures for Upload with an iPad (📖 173)



Networks

The master camera, iPhone, or iPad must be on the same local network as the remote cameras. The cameras and FTP server can be on the same local or wide-area network.

Mixing Cameras of Different Types

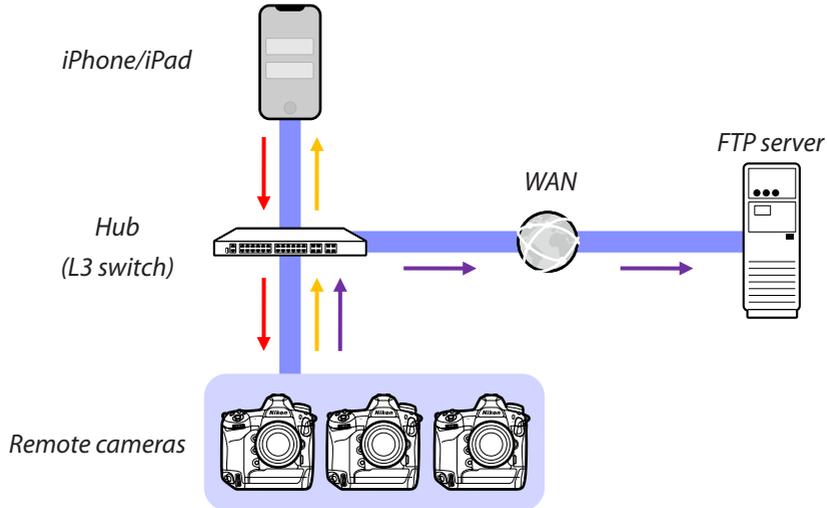
iPhones and iPads can be used to release the shutters on remote cameras in groups that include a mix of different camera types.

Master/Remote Synchronized Release

The Z9, Z8, Z6III, D6, and D5 can serve in the master and remote roles for master/remote synchronized release ( 72).

The NX Field App

The NX Field app runs on iPhones and iPads. It can be used to control multiple remote cameras on the same local network and upload photos to an FTP server as they are taken.



-  Remote release commands/remote setup
-  Remote release/remote camera status
-  FTP upload

✓ How the iPhone and iPad Apps Differ

Apart from some features available only in the iPad version, such as support for multiple live-view displays (📖 211), video recording (📖 220), and “skins” for mapping the locations of remote cameras (📖 226), the iPhone and iPad versions of the app are basically identical.

✍ Crossing Network Boundaries (NAT Traversal)

Only one remote camera at a time can be controlled by a master camera, iPhone, or iPad using NAT traversal implemented via router port forwarding.

What You'll Need

When using the NX Field app, you'll need:

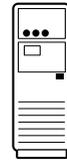
- Z9, Z8, Z6III, D6, or D5 cameras with the NX Field firmware update installed,



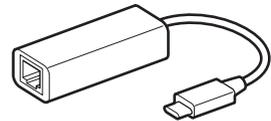
- an iPhone or iPad with the NX Field app installed,



- an FTP server,



- a USB Type-C to Ethernet adapter or a Lightning to Ethernet adapter (for connecting Z8, Z6III, or iOS devices to Ethernet networks), and



other network peripherals as required given the connection type.

Configuring Your Devices for the NX Field System

Configure the cameras and iPhone or iPad for use with the NX Field system.

Readying the Cameras

Configure the master and remote cameras for use with the NX Field system.

Updating the Camera Firmware to a Version Compatible with NX Field

The camera firmware must be updated to a version that supports NX Field (📖 7).

Setting the Camera Clocks

We recommend that you set the clocks on all cameras as accurately as possible when using the NX Field system.

- Remote cameras automatically synchronize their clocks with iPhones or iPads connected via the NX Field app when the app's clock synchronization feature is enabled (📖 171, 320).
- With a master camera, the clocks must be synchronized manually, as the connection is not made via the NX Field app.

☑ Time Zones

The NX Field app does not synchronize time zones. Before synchronizing clocks, be sure to set all cameras to the same time zone.

✍ Syncing the Master Camera

Temporarily configuring the master as a remote camera allows the clock to be set from an iPad or iPhone via auto sync.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: In the network menu, select [**Connect to other cameras**] > [**Master/remote**] > [**Remote camera**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Master/remote**] > [**Remote camera**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Master/remote**] > [**Remote camera**].
- After synchronizing the clocks, restore the original [**Master camera**] setting.

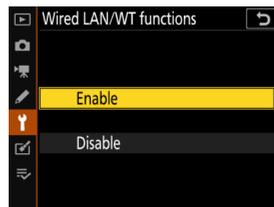
Adjusting Ethernet Connection Settings for the NX Field System

Adjust settings for all cameras that will be used with the NX Field system.

■ Step 1: Enable Wired LAN (D6 Only)

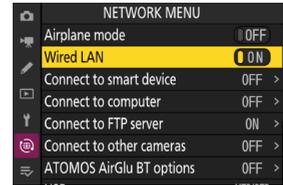
Users of the D6 will need to enable wired LAN before proceeding.

Select [**Enable**] for [**Wired LAN/WT**] > [**Wired LAN/WT functions**] in the setup menu.



■ Step 2: Enable Wired LAN Network Hardware

- The procedure varies with the camera:
 - Z9 cameras: In the network menu, select [**Wired LAN**] > [**ON**].
 - Z8 cameras: In the network menu, select [**USB data connection**] > [**USB-LAN**].
 - Z6III cameras: In the network menu, select [**USB**] > [**USB-LAN**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Choose hardware**] > [**Wired LAN**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Choose hardware**] > [**Wired LAN**].
- The D6's built-in Wi-Fi cannot be used. Although you can connect to wireless networks via a WT-5 or WT-6 wireless transmitter or the Z9, Z8, or Z6III's built-in wireless LAN, Ethernet networks are a better choice as they ensure reliable remote camera control and FTP upload unaffected by variations in signal strength.
- For connection to Ethernet networks, users of the Z8 or Z6III will require a third-party USB (Type-C) to Ethernet adapter. Connect the adapter to the camera's USB connector (or USB data connector for Z8).



■ Step 3: Connect the Camera and FTP Server

Enter a profile name, IP address, and the other information needed to connect to the FTP server.

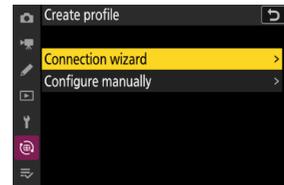
- Adjust the settings below after connecting the camera via an Ethernet cable and starting the FTP server.

☑ Connection Settings

Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

1. Create an FTP server profile.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: In the network menu, select [**Connect to FTP server**] > [**Network Settings**] > [**Create profile**] > [**Connection wizard**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Network settings**] > [**Create profile**] > [**Connection wizard**] > [**FTP upload**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Network settings**] > [**Create profile**] > [**Connection wizard**] > [**FTP upload**].
- Press **OK** to proceed; the default profile name will be displayed.

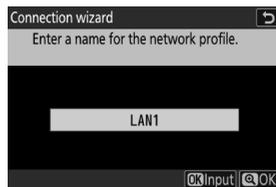


2. Name the new profile.

To rename the profile, press **OK** (Z9, Z8, and Z6III cameras) or press the center of the multi selector (D6 and D5 cameras).

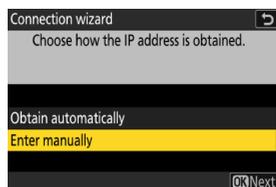
After entering the desired name, press **Q** (Z9, Z8, and Z6III cameras) or **OK** (D6 and D5 cameras); you will be prompted to choose how the IP address is obtained.

- To proceed without renaming the profile, leave the name as it is and press **Q** (Z9, Z8, and Z6III cameras) or **OK** (D6 and D5 cameras); you will be prompted to choose how the IP address is obtained.



3. When prompted to choose how the IP address is obtained, select **[Enter manually]**.

- Although NX Field does support **[Obtain automatically]**, fixed IP addresses are recommended, as otherwise profiles will have to be updated in the NX Field app whenever the remote camera IP address changes, as may occur for example when the camera reconnects to the network or the DHCP lease expires.



4. Enter the camera IP address.

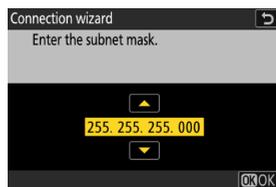
- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: Rotate the main command dial to highlight digits, press  or  to change, and press  to accept.
 - D6 cameras: Rotate the main command dial to highlight digits, press  or  to change, and press the center of the multi selector to accept.
 - D5 cameras: Press  or  to highlight digits and  or  to edit the highlighted value.
- Press  (Z9, Z8, and Z6III cameras) or  (D6 and D5 cameras) to complete the operation and display a confirmation dialog. Press the button again; you will be prompted to enter the subnet mask.



5. Enter the subnet mask.

Press  or  to edit the subnet mask and press  to accept; a confirmation dialog will be displayed.

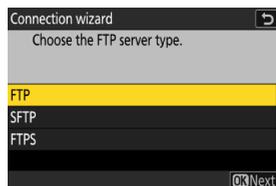
Press  to proceed once the confirmation dialog is displayed.



6. Choose the server type.

Highlight **[FTP]** or **[SFTP]** and press ; you will be prompted to enter the server address.

- The Z9 ("C" firmware version 3.00 or later), Z8, and Z6III support **[FTPS]** in addition to the options listed above.



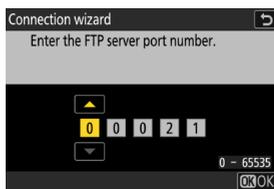
7. Enter the server address.

- The procedure after entering the server address varies with the camera:
 - Z9, Z8, and Z6III cameras: Pressing  will prompt you to enter the server port number.
 - D6 and D5 cameras: Press  to connect to the FTP server. A successful connection will display the login method selection screen.



8. Enter the server port number (Z9, Z8, and Z6III only).

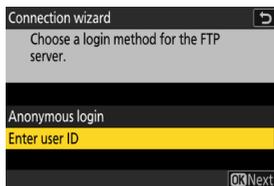
Rotate the sub-command dial to highlight digits and the main command dial to change them, then press  to accept. A successful connection will display the login method selection screen.



9. Choose a login method.

Highlight the desired method and press .

- If you selected [**Enter user ID**], supply a user ID and password when prompted.



 **Caution: Secure FTP (SFTP)**

Always choose [**Enter user ID**] when connecting to SFTP servers. The NX Field app may fail to connect to remote cameras when [**Anonymous login**] is selected.

10. Choose a destination folder.

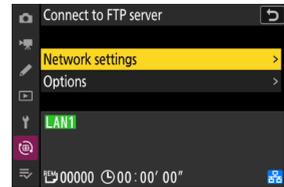
- Select [**Home folder**] to upload pictures to the FTP server's home folder.
- To enter the folder name manually, select [**Enter folder name**]. The folder must already exist on the server.
- After choosing a folder, press **OK**.
 - Z9, Z8, and Z6III cameras: The camera will initiate connections to the network and FTP server.
 - D6 and D5 cameras: Select [**Connect and exit wizard**]. The camera will initiate connections to the network and FTP server.



11. Confirm that the camera has established a connection to the FTP server.

Once a connection is established, the profile name will be displayed in green.

- If the profile name is displayed in red, check FTP or network settings.



Port Numbers

TCP ports 21 and 32768 through 61000 are used for **[FTP]**, TCP ports 22 and 32768 through 61000 for **[SFTP]**, and TCP port 990 for **[FTPS]**. File transfer may be blocked if the server has a firewall not configured to allow access to these ports.

FTPS

Before connecting to an FTPS server, you will need to load a root certificate onto the camera. Root certificates can be managed using the **[Manage root certificate]** item under **[Connect to FTP server]** > **[Options]** in the camera network menu.

Crossing Network Boundaries (NAT Traversal)

- Only one remote camera at a time can be controlled by a master camera, iPhone, or iPad using NAT traversal implemented via router port forwarding.
- We recommend using a VPN for enhanced security when controlling remote cameras via the Internet.

The camera is now configured for connection. Proceed to [Enable NX Field Settings on the Cameras](#) (📖 23).

Enable NX Field Settings on the Cameras

Now that cameras are configured for connection, ready the NX Field system for synchronized release.

■ Camera Settings for Synchronized Release

Group Name

Enter the same group name for all cameras on the network that will be used for synchronized release. If you are controlling the remote cameras from an iPhone or iPad, match the group name to that entered for **[Group name]** in the NX Field app (📖 47, 60).

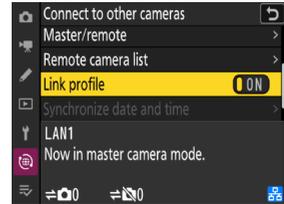
Master/Remote

Cameras for use with NX Field must be designated either as master or remote cameras.

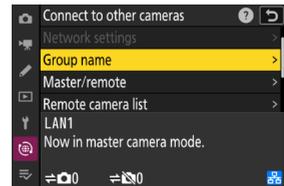
- Master camera: Pressing the shutter-release button on the master camera releases the shutters on the remote cameras.
- Remote camera: The shutters on the remote cameras are synchronized with the shutter on the master camera. The shutters on the remote cameras can also be released by tapping the shutter-release button in the NX Field app.

■ Configuring Z9 (“C” Firmware Versions Prior to 4.00), Z8, and Z6III Cameras

1. Navigate to [**Connect to other cameras**] in the network menu and select [**ON**] for [**Synchronized release**] and [**Link profile**] (Z9/Z8 only).

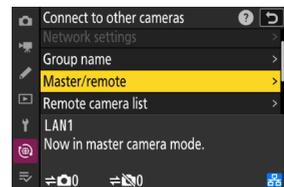


2. Select [**Connect to other cameras**] > [**Group name**] in the network menu and enter the group name.



3. Select [**Connect to other cameras**] > [**Master/remote**] in the network menu and choose [**Master camera**] or [**Remote camera**].

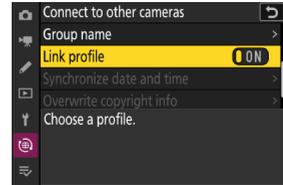
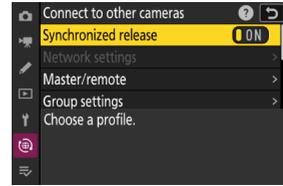
- If you chose the master camera option, add cameras to the remote camera list (📖 34).



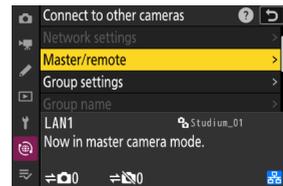
■ Configuring Z9 cameras (“C” Firmware Version 4.00 or Later)

Master Camera

1. Navigate to [**Connect to other cameras**] in the network menu and select [**ON**] for [**Synchronized release**] and [**Link profile**].

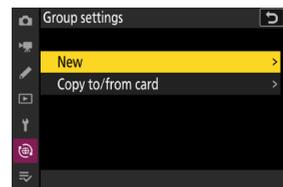


2. Select [**Connect to other cameras**] > [**Master/remote**] in the network menu and choose [**Master camera**].



3. Navigate to [**Connect to other cameras**] > [**Group settings**] in the network menu and select [**New**].

A text-entry dialog will be displayed.



4. Enter a display name.

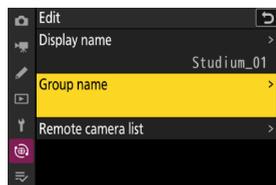
After entering the display name, press  to view the **[Edit]** display.



Display Names

“Display names” are the names given to remote camera lists ( 34). You can switch between remote camera lists for synchronized release by choosing the display name in the **[Group settings]** display.

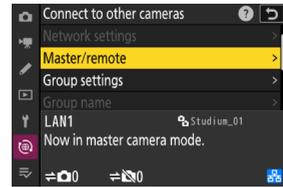
5. Select **[Group name]** and enter a group name.



6. Add cameras to the remote camera list ( 34).

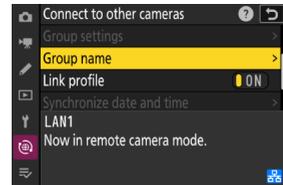
Remote Cameras

1. Select [**Connect to other cameras**] > [**Master/remote**] in the network menu and choose [**Remote camera**].



2. Select [**Connect to other cameras**] > [**Group name**] in the network menu and enter the group name for the master camera or the NX Field app.

The camera can now be added to the master camera's remote camera list.

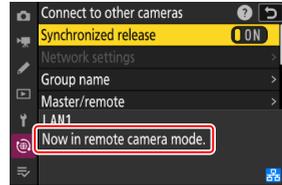
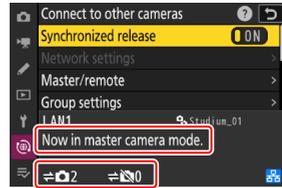


[Master Camera] Selected for Multiple Cameras

- If multiple cameras in a given group have been chosen as master cameras, the NX Field system will assign the role to the first camera on.
- Only one camera in each group can function in the “master camera” role at a time.
- You can use a custom control to transfer control of remote cameras from the current master camera to a Z9 (“C” firmware version 3.00 or later), Z8, or Z6III configured to function in the master camera role.
 - Assign [**Override other cameras**] to a control using Custom Setting f2 [**Custom controls (shooting)**].
 - Press the control to which [**Override other cameras**] has been assigned to promote the camera to the role of a master camera in control of the remote cameras within its current group in the NX Field system.

The “Connect to Other Cameras” Status Display (Z9, Z8, and Z6III Only)

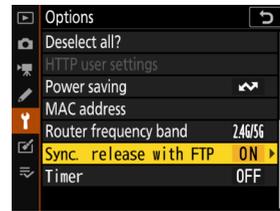
When NX Field settings are enabled on the camera, “now in master camera mode” or “now in remote camera mode” will appear in the network menu [Connect to other cameras] display. The display for master cameras shows the numbers of remote cameras connected and not connected.



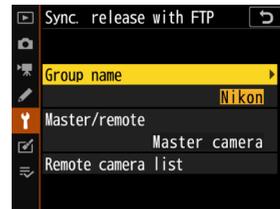
■ Configuring D6 and D5 Cameras

1. Navigate to the **[Sync. release with FTP]** display.

- The procedure varies with the camera:
 - D6 cameras: In the setup menu, select **[Wired LAN/WT] > [Options] > [Sync. release with FTP] > [On]**.
 - D5 cameras: In the setup menu, select **[Network] > [Options] > [Sync. release with FTP] > [On]**.

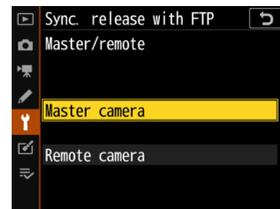


2. Select **[Group name]** in the **[Sync. release with FTP]** display and enter the group name.



3. Select **[Master/remote]** in the **[Sync. release for FTP]** display and choose **[Master camera]** or **[Remote camera]**.

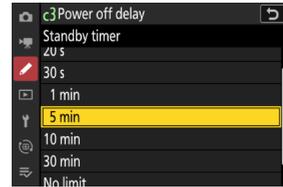
- If you chose the master camera option, add cameras to the remote camera list (📖 34).



■ Standby Timer Settings for Master Cameras

Master cameras take about 20 seconds to connect to remote cameras after the standby timer is activated. Set the standby timer on the master camera to 5 minutes or more and start the timer at least 20 seconds before taking photographs.

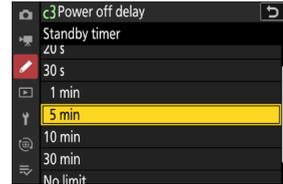
- The procedure for accessing standby timer settings varies with the camera:
 - Z9, Z8, and Z6III cameras: Use Custom Setting c3
[**Power off delay**] > [**Standby timer**]
 - D6 and D5 cameras: Use Custom Setting c2
[**Standby timer**].



■ Standby Timer Settings for Remote Cameras

The NX Field system cannot be used to configure remote cameras or release the shutter after the standby timer expires. Configure the remote cameras so that the standby timers will not expire.

- The procedure for accessing standby timer settings varies with the camera:
 - Z9, Z8, and Z6III cameras: Use Custom Setting c3
[Power off delay] > **[Standby timer]**
 - D6 and D5 cameras: Use Custom Setting c2
[Standby timer].



☑ Z9, Z8, and Z6III Camera Monitors

Be sure that the monitors on the remote cameras show the shooting display. If they are used for playback or menu navigation while the cameras are not connected to the NX Field system, the displays will turn off on the expiration of the timers for Custom Setting c3 **[Power off delay]** > **[Playback]** or **[Menus]**, even if **[No limit]** is selected for **[Standby timer]**, preventing the receipt of further commands from a master camera, iPhone, or iPad.

✎ D6 Standby Timers

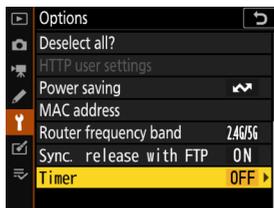
The standby timers on remote D6 cameras can be reactivated from the NX Field app (📖 165, 313).

Restarting the Standby Timer When Photography Is Scheduled (D6 and D5 Only)

Remote cameras can be configured to reactivate the standby timer at a set date and time. If you do not plan to start photography immediately after setting up the remote camera, a separate restart timer is available to delay activation of the standby timer until a specified time, reducing the drain on the camera battery.

1. Enable the timer.

- The procedure varies with the camera:
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Timer**] > [**On**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Timer**] > [**On**].



2. Enter the date and time the remote camera standby timer will reactivate.

Choose a date within the next 21 days and a time between 0:00 and 23:59.



3. Select [**Start**].

The standby timer will turn off after about four seconds and not start again until the specified time.

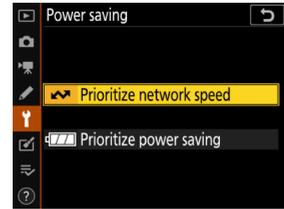
Cautions: The Restart Timer

- The remote camera takes about 30 seconds to reactivate once the selected date and time is reached.
- Once a date and time is set, the remote camera's standby timer can be started by pressing the shutter-release button halfway, but it will turn off again after about four seconds (D5 only).
- Turning the camera off cancels the restart timer.

■ “Power Saving” (D6 and D5 Only)

To prevent lost connections, select “prioritize network speed” on the remote and master cameras.

- The procedure varies with the camera:
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Power saving**] > [**Prioritize network speed**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Power saving**] > [**Prioritize network speed**].

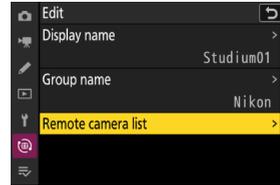


Add the Remote Cameras to the List on the Master Camera

A master camera can be used to release the shutters on remote cameras in the same group (📖 23) only after they have been added to the master camera's remote camera list.

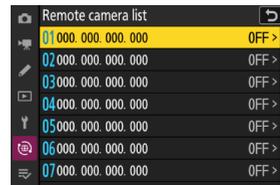
1. Display the remote camera list on the master camera.

- The procedure varies with the camera:
 - Z9 cameras: Navigate to [**Connect to other cameras**] > [**Group settings**] in the network menu, highlight the display name you chose when configuring the camera, press the ⏪ button, and select [**Remote camera list**] in the [**Edit**] display.
 - Z8 and Z6III cameras: In the network menu, select [**Connect to other cameras**] > [**Remote camera list**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Remote camera list**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Remote camera list**].



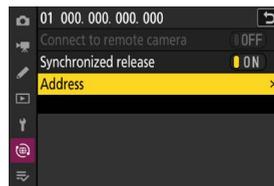
2. In the remote camera list, highlight the desired slot and press ⏪.

- Up to 10 (or in the case of the Z9 "C" firmware version 4.00 or later, 16) cameras can be added to the list.
- Remote camera settings will be displayed.



3. Display the IP address.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: Select [**Address**].
 - D6 and D5 cameras: Select [**IP address**].



4. Enter the IP address assigned to a remote camera (book 19).

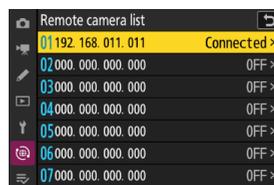
- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: Rotate the main command dial to highlight digits, press or to change, and press to accept.
 - D6 cameras: Rotate the main command dial to highlight digits, press or to change, and press the center of the multi selector to accept.
 - D5 cameras: Press or to highlight digits and or to edit the highlighted value.



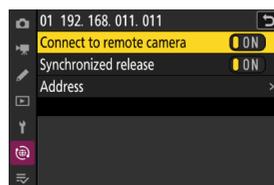
5. Press (Z9, Z8, and Z6III cameras) or (D6 and D5 cameras).

The remote camera will be added to the master camera's remote camera list.

- Repeat Steps 2 through 5 for each camera you wish to add to the list.



- Enable the connection to the remote camera. The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: Select [**Connect to remote camera**] > [**ON**].
 - D6 and D5 cameras: Select [**Remote connection**] > [**Enable**].



■ Viewing Remote Camera Connection Status

Remote camera connection status can be viewed on the master camera.

- Remote camera connection status is displayed in the remote camera list on the master camera.

Item	Description
Connected (shooting time)	Normal connection. If the remote camera shutter has been released, the status display will also show the time the most recent picture was taken.
Busy	The camera is being controlled from another master camera or the NX Field app.
Error	<ul style="list-style-type: none">• The remote camera standby timer has expired.• The remote camera is off.• The connection with the remote camera is disabled (📖 23).• The master and remote cameras are not in the same group (📖 23).• Incorrect IP address (📖 15).• IP address not specified (Z9 "C" firmware versions earlier than 2.11).
OFF	<ul style="list-style-type: none">• IP address not specified (Z9 "C" firmware version 3.00 or later, Z8, Z6III, D6, D5).• [Connect to remote camera] (Z9/Z8/Z6III) or [Remote connection] (D6/D5) disabled (📖 35).

Restrictions and Settings for Remote Cameras Controlled from the NX Field App

Adjust remote camera settings to avoid restrictions on the NX Field app's use of the shutter release or live view.

Live View Settings

The NX Field app will end live view if the monitors on the remote cameras turn off. Adjust settings so that the displays on the remote cameras will not turn off automatically.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: Select Custom Setting c3 [**Power off delay**] > [**Standby timer**] > [**No limit**]
 - D6 and D5 cameras: Select Custom Setting c4 [**Monitor off delay**] > [**Live view**] > [**No limit**].

The Live View (or Photo/Video) Selector

- When taking photographs or recording video using the NX Field app, set the remote camera live view (or in the case of the Z9, Z8, and Z6III, photo/video) selectors to . Selecting  restricts access to features on certain cameras.
- You will also need to set the remote camera live view (or in the case of the Z9, Z8, and Z6III, photo/video) selectors to  when filming videos remotely from an iPad. Videos can be filmed by selecting  **Video** (video tab) in the NX Field app's tiled or main/secondary live view display.

Deleting Files After Upload

Enabling the option on remote cameras to automatically delete pictures after upload may limit your ability to view images in the NX Field app. Disable this option.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: In the network menu, select [**Connect to FTP server**] > [**Options**] > [**Delete after upload**] > [**OFF**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Delete after send**] > [**No**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Delete after send**] > [**No**].

Auto Send/Auto Upload

Enable auto upload to automatically upload pictures to the FTP server as they are taken.

- The procedure varies with the camera:
 - Z9, Z8, and Z6III cameras: In the network menu, select [**Connect to FTP server**] > [**Options**] > [**Auto upload**] > [**ON**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Auto send**] > [**On**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Auto send**] > [**On**].
- If you find that the NX Field app has trouble controlling cameras during auto upload due to bandwidth limitations or the like, we recommend that you select [**Off**] and manually select and upload pictures when photography is not in progress.

Image/Picture Review (Z9, Z8, Z6III, and D6 Only)

Disable the feature in the playback menu that displays pictures for review immediately after shooting. Enabling this feature will increase the amount of time needed for live view to resume after shooting.

Remote camera settings have now been adjusted for use with the NX Field app. Proceed to [Getting Ready: iPhones](#) (📖 41) if you are using an iPhone or to [Getting Ready: iPads](#) (📖 52) if you are using an iPad.

Getting Ready: iPhones

To use the NX Field system with an iPhone, install the NX Field app and connect an Ethernet cable.

Installing the NX Field App

Search for “NX Field App” on the Apple App Store® and install it on your iPhone.

 The Apple App Store®

An Apple ID is required.

Connecting to an Ethernet Network

We recommend that NX Field system connections be made via Ethernet, as this ensures reliable remote camera control unaffected by variations in signal strength. Depending on the model of iPhone in question, Ethernet cables can be connected via a third-party USB Type-C or Lightning adapter.

After connecting an Ethernet cable, launch the NX Field app and adjust settings as desired.

Connection Settings: iPhone

Before connecting to a network that employs the NX Field system, adjust connection settings and assign the iPhone an IP address.

☑ Connection Settings

Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

1. Launch the iOS **[Settings]** app.
2. Select **[Ethernet]**.



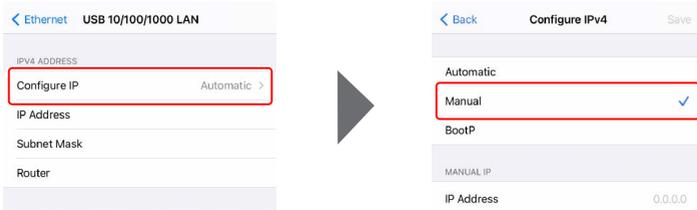
☑ Wireless Networks

Although the NX Field system supports wireless connections, Ethernet connections are preferred for more reliable remote camera control unaffected by variations in wireless signal strength. When using a wireless network, enable Wi-Fi on the network to which the remote cameras are connected.

3. Choose the desired interface.



4. Tap [**Configure IP**] and select [**Manual**].



5. Enter an IP address and subnet mask and tap [**Save**].



☑ Entering an IP Address and Subnet Mask

When you first open the IPv4 configuration dialog, it will list dummy values for the IP address and subnet mask in gray. The [**Save**] button will only be available once new values have been entered manually. The new values will be lost if you return to the previous dialog without saving changes.

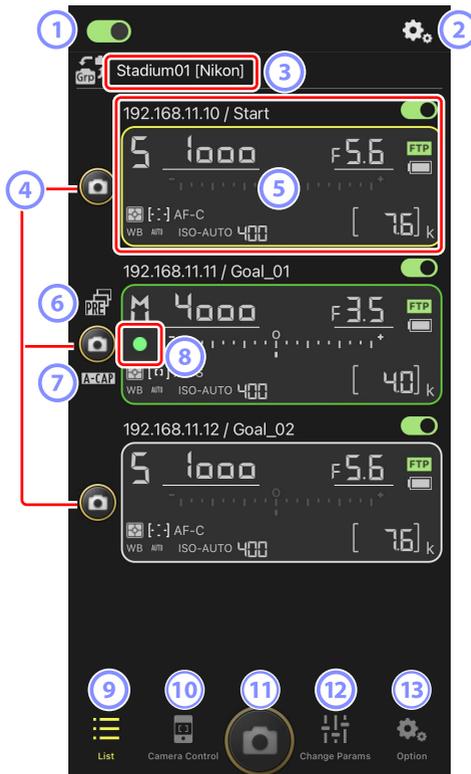
Adding Remote Cameras to the NX Field App

Add the remote cameras to the NX Field app.

■ Launching the NX Field App

The following dialog is displayed when the NX Field app is launched.

- No remote camera info (5) will be displayed until you have added at least one remote camera; instead, instructions for adding remote cameras will appear under the connection options (2).



① **Connection Switch** (📖 50)

Enable or disable the connection to the remote cameras listed under the current display name.

② **Connection/Camera Control Options**

Tapping this button in the dialog shown after launch displays remote camera connection settings (📖 49). In the camera control display (📖 86), you can tap it to view focus, playback, and other settings for remote cameras.

③ **Display Name and [Group Name]** (📖 47)

The display name and group name. Tap to switch display names.

④ **Shutter-Release Button (on one camera)**

Releases the shutter on the selected remote camera.

⑤ **Remote Camera Info** (📖 84)

A series of displays mirroring the information in the cameras' top control panels, including shutter speed and aperture. Cameras can be controlled individually using shutter-release button to the left and the connection switch at the top right corner of each display. Touch and hold the remote camera info area to display [**Copy exposure info.**].

⑥ **Pre-Release Capture Icon** (📖 101)

Displayed while performing Pre-Release Capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

⑦ **A-CAP Icon** (📖 105)

Displayed while performing auto capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

⑧ **Memory Card Access Icon**

Lights while data are being recorded to the memory card in the remote camera.

⑨ **List** (📖 85)

Opens the list display.

10 **Camera Control** (📖 86)

Opens the camera control display.

11 **Shutter-Release Button (on multiple cameras)**

Releases the shutters on all cameras in the remote camera list with connection switches currently in the  (on) position.

12 **Change Parameters** (📖 88)

Opens the “change parameters” display.

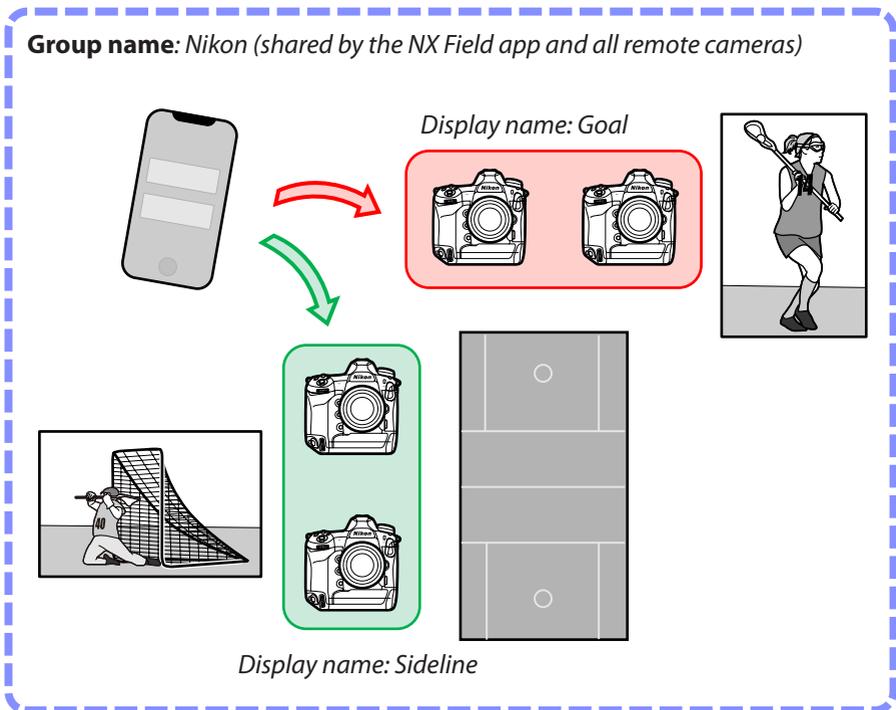
13 **Options** (📖 89)

Opens the options display.

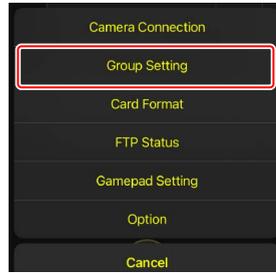
■ Assigning Remote Cameras the Same Group Name in the NX Field App

Remote cameras assigned the same group names in the NX Field app can be added to the remote camera list.

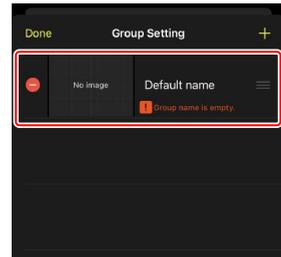
- Grouping cameras by display name allows different groups with different display names to be used for different purposes (for example, to control cameras by location), making remote cameras easier to manage. The illustration below shows a group named “Nikon” consisting of four cameras, with the two positioned to photograph players from the front as they approach the goal given the display name “Goal”, and the two positioned on the sideline to photograph the scene in front of the goal from the side given the display name “Sideline”.



1. Tap  (options) and select [**Group Setting**].

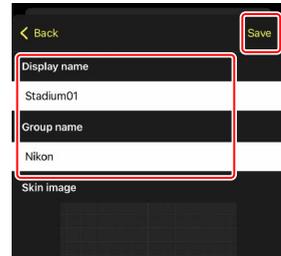


2. Tap "Default name".



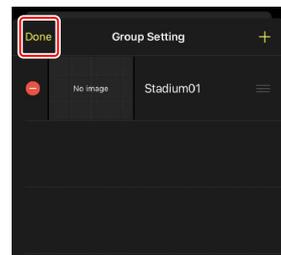
3. Enter the same [**Group name**] as the one selected for the remote camera along with a [**Display name**] of your choice, then tap [**Save**].

- The default [**Display name**] is "Default name."
- For more information on remote camera [**Group name**], see "Enable NX Field Settings on the Cameras" (📖 23).



4. Tap [**Done**].

- To add a new display name, tap .



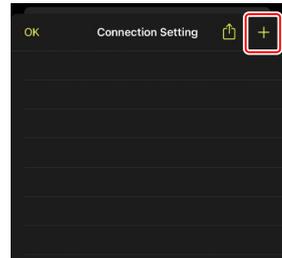
■ Assigning Display Names to Remote Cameras in the Current Group

Assigning remote cameras display names allows the NX Field app to control each set separately by name.

1. Tap  (connection options button) in the list display.



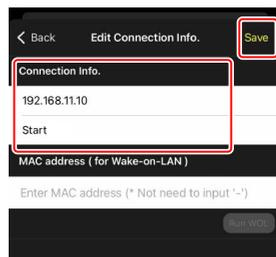
2. Tap .



3. Enter the IP address (📖 19) and a name for a camera in the remote camera list and tap **[Save]**.

The changes will be saved to the remote camera list in the NX Field app. Tap **[OK]** to close the dialog.

- Ignore leading zeros when supplying the IP address—for example, enter “1” in place of a segment entered on the camera as “001”.
- Names can be assigned as desired. You may find it helpful when taking pictures to name cameras by their locations or other easily-remembered attributes.
- Names can be up to eight single-byte characters long.
- Repeat Steps 2 through 3 for each camera you wish to add.

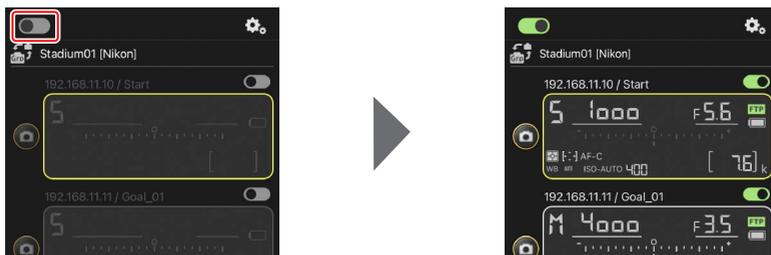


MAC Addresses

You need only supply MAC addresses if you intend to use the NX Field app's wake-on-LAN feature (📖 165) to restart the standby timers on remote cameras.

4. Tap the display name  (connection) switch.

The display name connection switch, as well as the connection switches for the cameras listed under the selected display name, will switch to  (on) as the NX Field connects to the remote cameras.

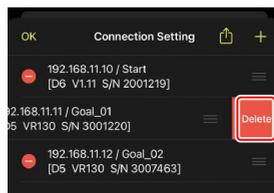
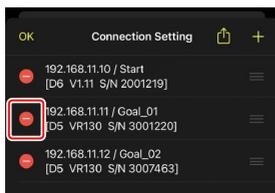


✔ Cautions: Adding Remote Cameras

Only one iOS device can be used to control remote cameras, regardless of the number of iPhones or iPads in the group. The cameras will be controlled by the first iPhone or iPad to connect.

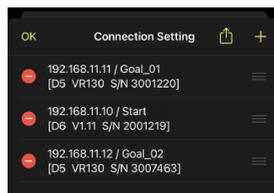
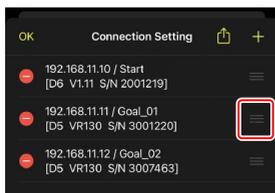
✎ Removing Cameras from the Remote Camera List

To remove a camera from the remote camera list, go to  (options) at the bottom of display, open **[Connection Setting]**, the  icon for the camera in question, and tap **[Delete]**.



✎ Re-ordering the Remote Camera List

To change the order of the cameras in the remote camera list, go to  (options), open **[Connection Setting]**, and drag the  icons for the cameras in question up or down.



Your iPhone is now configured for use with the NX Field system. Proceed to [Remotely Taking and Selecting Pictures for Upload with an iPhone](#) (📖 80).

Getting Ready: iPads

To use the NX Field system with an iPad, install the NX Field app and connect an Ethernet cable.

Installing the NX Field App

Search for “NX Field App” on the Apple App Store® and install it on your iPad.

 **The Apple App Store®**

An Apple ID is required.

Connecting to an Ethernet Network

We recommend that NX Field system connections be made via Ethernet, as this ensures reliable remote camera control unaffected by variations in signal strength. Depending on the model of iPad in question, Ethernet cables can be connected via a third-party USB Type-C or Lightning adapter.

After connecting an Ethernet cable, launch the NX Field app and adjust settings as desired.

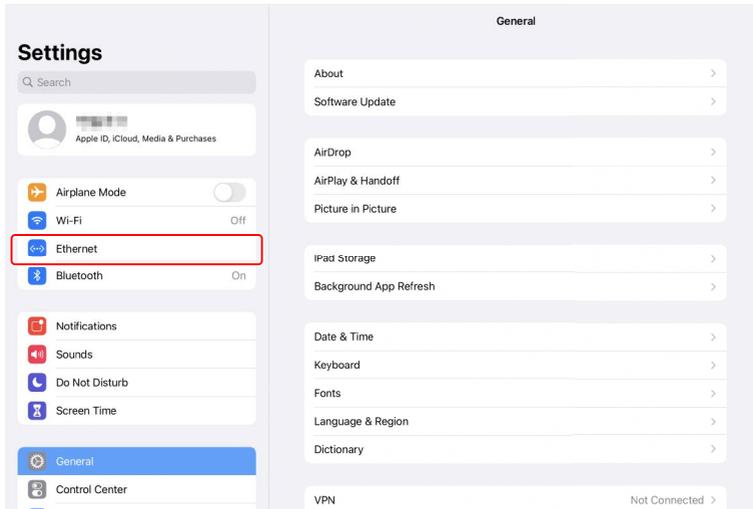
Connection Settings: iPad

Before connecting to a network that employs the NX Field system, adjust connection settings and assign the iPad an IP address.

☑ Connection Settings

Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

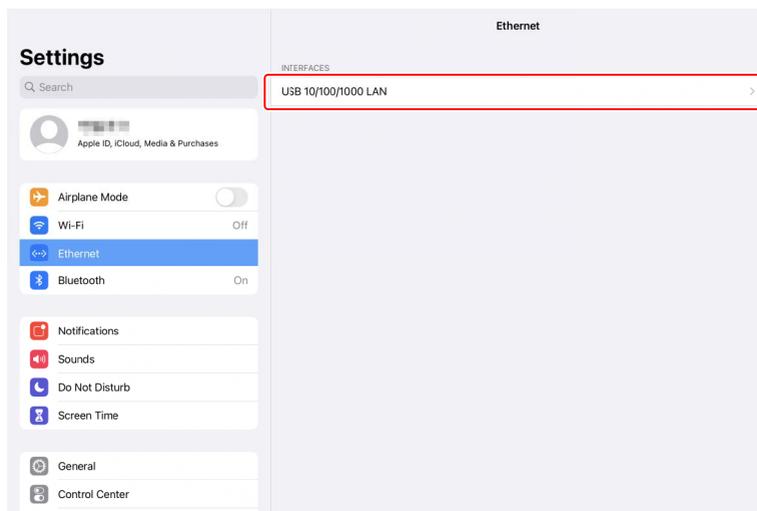
1. Launch the iPadOS [Settings] app.
2. Select [Ethernet].



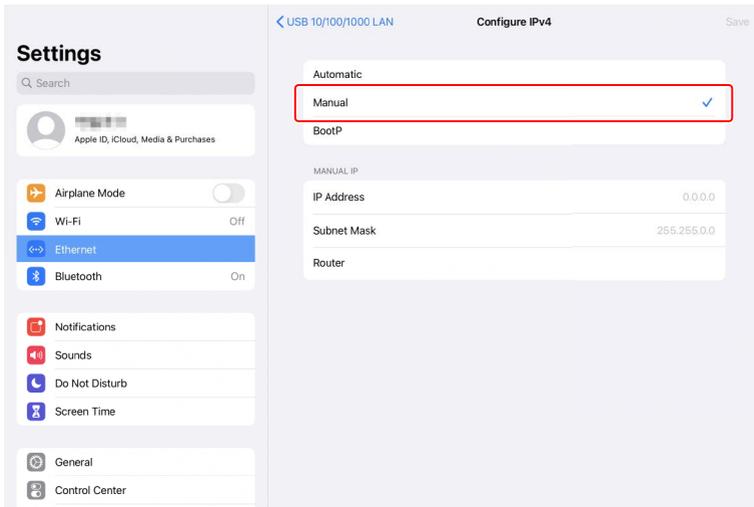
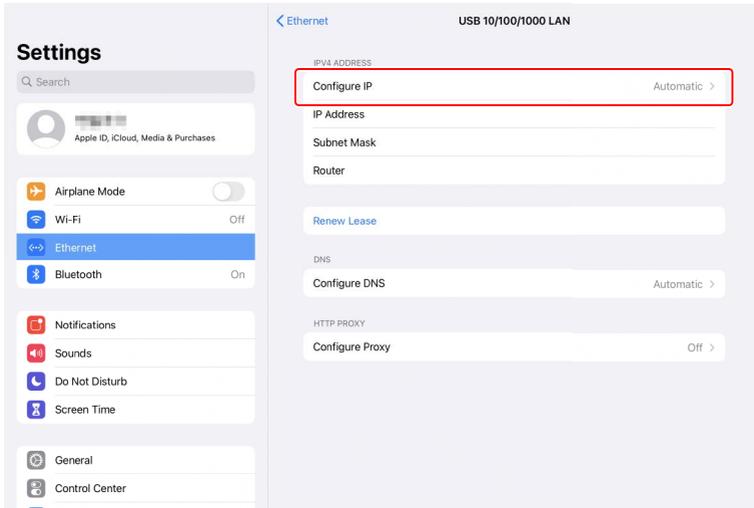
☑ Wireless Networks

Although the NX Field system supports wireless connections, Ethernet connections are preferred for more reliable remote camera control unaffected by variations in wireless signal strength. When using a wireless network, enable Wi-Fi on the network to which the remote cameras are connected.

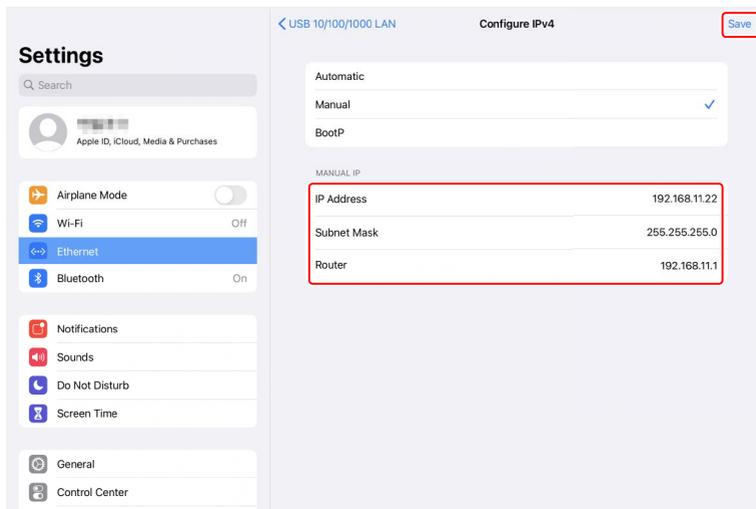
3. Choose the desired interface.



4. Tap [Configure IP] and select [Manual].



5. Enter an IP address and subnet mask and tap **[Save]**.



✓ Entering an IP Address and Subnet Mask

When you first open the IPv4 configuration dialog, it will list dummy values for the IP address and subnet mask in gray. The **[Save]** button will only be available once new values have been entered manually. The new values will be lost if you return to the previous dialog without saving changes.

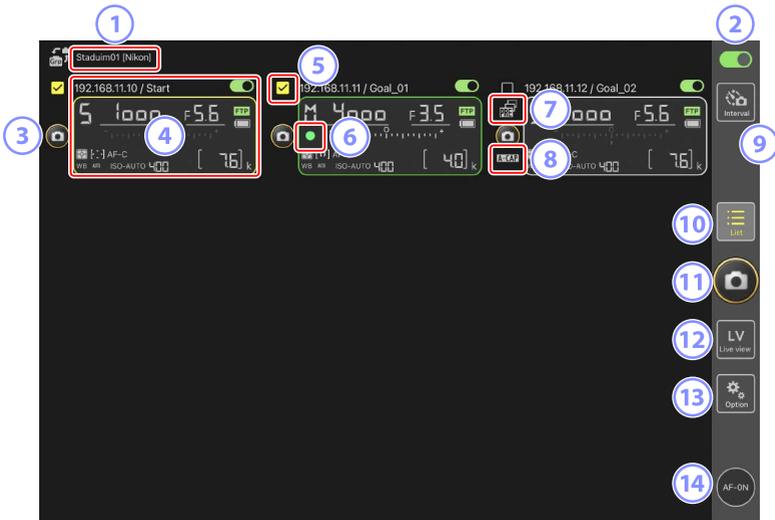
Adding Remote Cameras to the NX Field App

Add the remote cameras to the NX Field app.

■ Launching the NX Field App

The following dialog is displayed when the NX Field app is launched.

- No remote camera info (4) will be displayed until you have added at least one remote camera; instead, instructions for adding remote cameras will appear over the options (13).



① **Display Name and [Group Name]** (📖 60)

The display name and group name. Tap to switch display names.

② **Connection Switch** (📖 67)

Enable or disable the connection to the remote cameras listed under the current display name.

③ **Shutter-Release Button (on one camera)**

Releases the shutter on the selected remote camera.

④ **Remote Camera Info** (📖 177)

A series of displays mirroring the information in the cameras' top control panels, including shutter speed and aperture. Cameras can be controlled individually using shutter-release button to the left and the connection switch at the top right corner of each display. Touch and hold the remote camera info area to display sub-menus for camera controls and settings.

⑤ **Checkbox**

Displayed when going to  (options) and selecting [**Group Release**] for [**Option**] > [**Shooting Button (multi-camera) setting**]. Tapping "Shutter-Release Button (on multiple cameras)" releases the shutters on all checked remote cameras (📖 239).

⑥ **Memory Card Access Icon**

Lights while data are being recorded to the memory card in the remote camera.

⑦ **Pre-Release Capture Icon** (📖 208)

Displayed while performing Pre-Release Capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

⑧ **A-CAP Icon** (📖 245)

Displayed while performing auto capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

9 **Interval-Timer Photography** (📖 233)

Display interval-timer options.

10 **List** (📖 181)

Opens the list display.

11 **Shutter-Release Button (on multiple cameras)**

Releases the shutters on all cameras in the remote camera list with connection switches currently in the  (on) position. You can also release the shutter on only selected remote cameras (📖 239).

12 **Live View**

Opens live view. Choose from tile (📖 189), main/secondary (📖 190), and “skin” (📖 191) views and take photographs or adjust camera settings.

13 **Options** (📖 187)

Opens the options display.

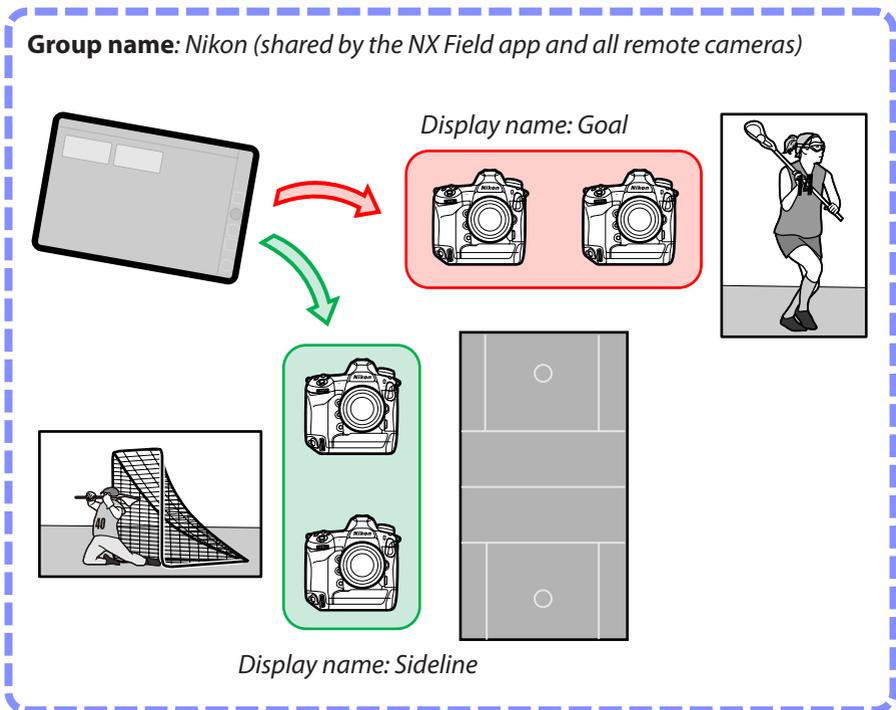
14 **AF-ON Button**

The cameras focus while the button is held. Touch and hold the button when Pre-Release Capture is enabled to perform Pre-Release Capture buffering. The behavior of the button can be changed by tapping  (options) and selecting [Option] > [AF-On button setting] (📖 320).

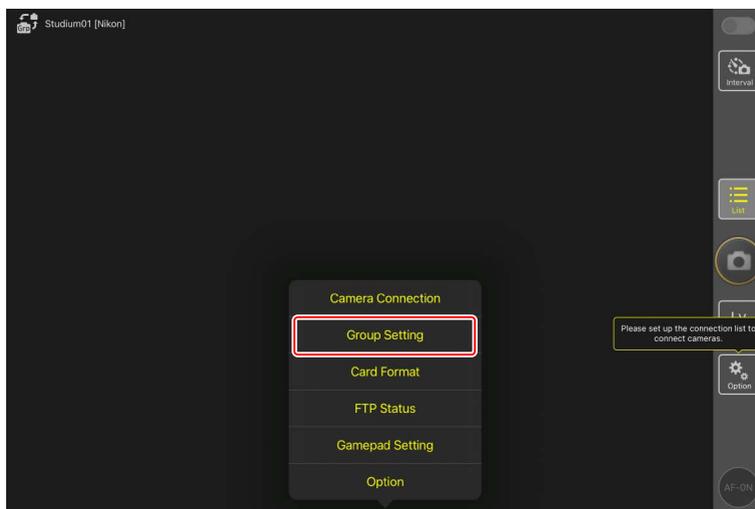
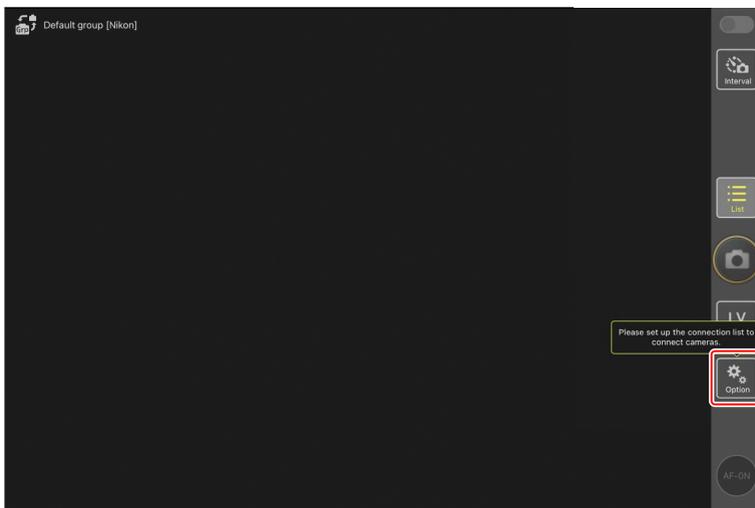
■ Assigning Remote Cameras the Same Group Name in the NX Field App

Remote cameras assigned the same group names in the NX Field app can be added to the remote camera list.

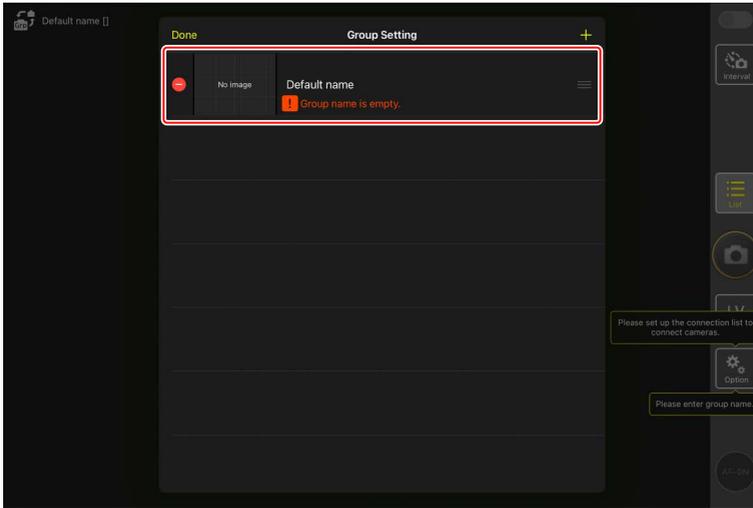
- Grouping cameras by display name allows different groups with different display names to be used for different purposes (for example, to control cameras by location), making remote cameras easier to manage. The illustration below shows a group named “Nikon” consisting of four cameras, with the two positioned to photograph players from the front as they approach the goal given the display name “Goal”, and the two positioned on the sideline to photograph the scene in front of the goal from the side given the display name “Sideline”.



1. Select [**Group Setting**] under  (options).

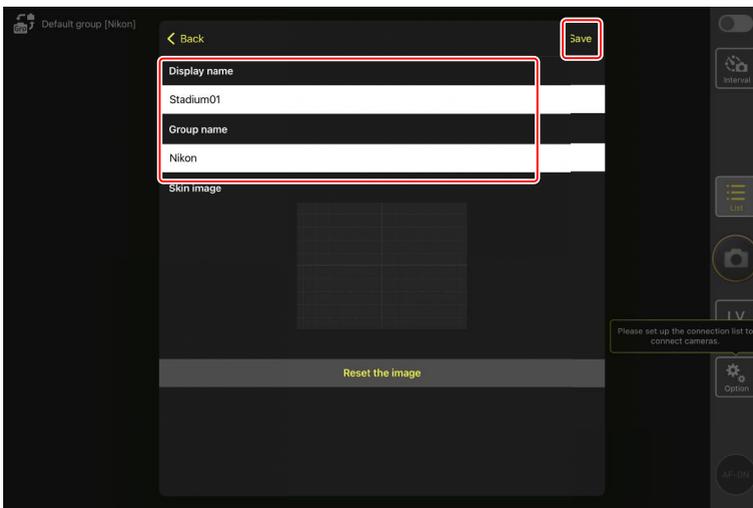


2. Tap “Default name”.



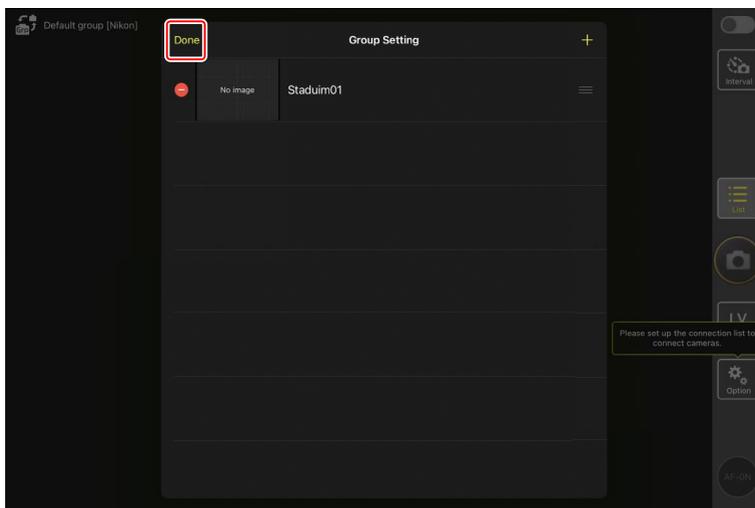
3. Enter the same [Group name] as the one selected for the remote camera along with a [Display name] of your choice, then tap [Save].

- The default [Display name] is “Default name.”
- For information on [Group name] of the remote cameras, refer to “Enable NX Field Settings on the Cameras” (📖 23).



4. Tap **[Done]**.

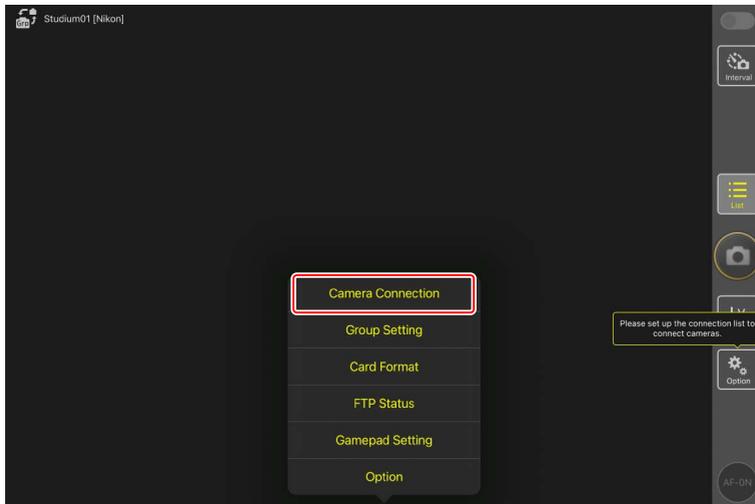
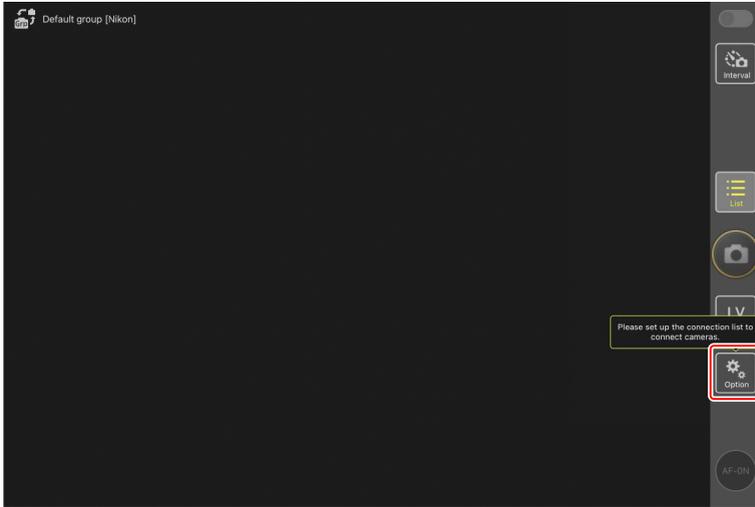
- To add a new display name, tap **+**.



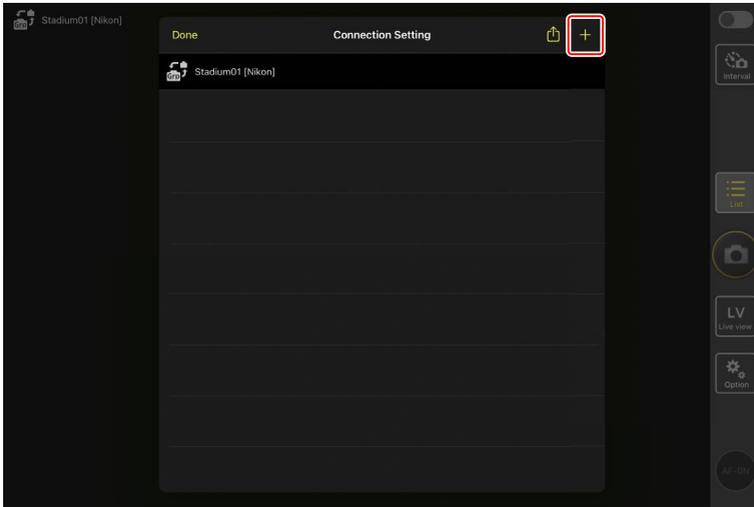
■ Assigning Display Names to Remote Cameras in the Current Group

Assigning remote cameras display names allows the NX Field app to control each set separately by name.

1. Select [**Connection Setting**] under  (options).



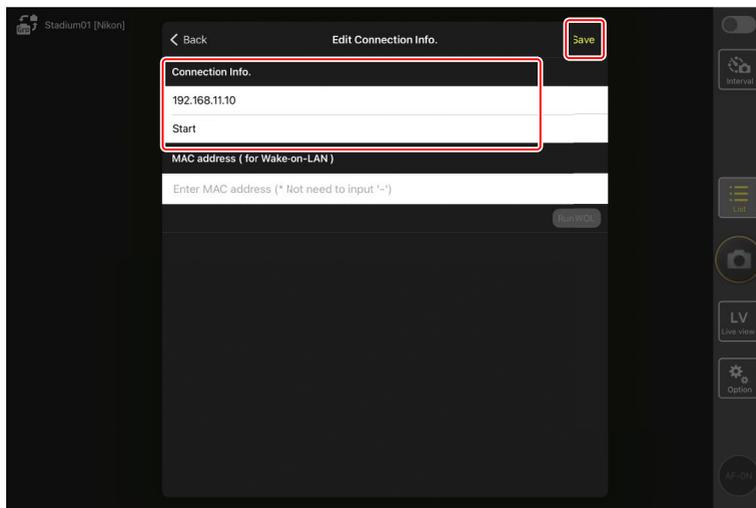
2. Tap 



3. Enter the IP address (📖 19) and a name for a camera in the remote camera list and tap **[Save]**.

The changes will be saved to the remote camera list in the NX Field app. Tap **[Done]** to close the dialog.

- Ignore leading zeros when supplying the IP address—for example, enter “1” in place of a segment entered on the camera as “001”.
- Names can be assigned as desired. You may find it helpful when taking pictures to name cameras by their locations or other easily-remembered attributes.
- Names can be up to eight single-byte characters long.
- Repeat Steps 2 through 3 for each camera you wish to add.

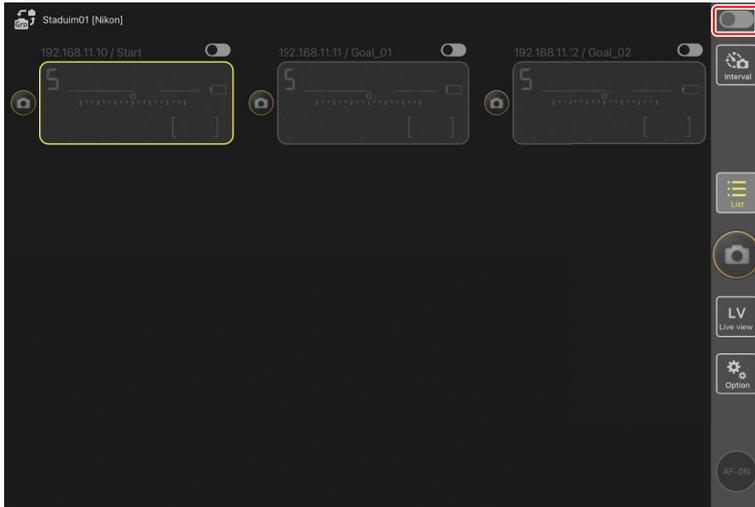


MAC Addresses

You need only supply MAC addresses if intend to use the NX Field app's wake-on-LAN feature (📖 313) to restart the standby timers on remote cameras.

4. Tap the display name  (connection) switch.

The display name connection switch, as well as the connection switches for the cameras listed under the selected display name, will switch to  (on) as the NX Field app connects to the remote cameras.

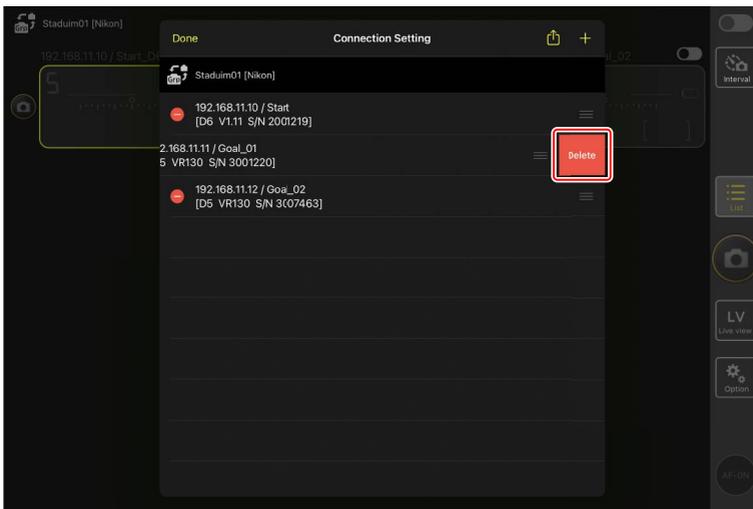
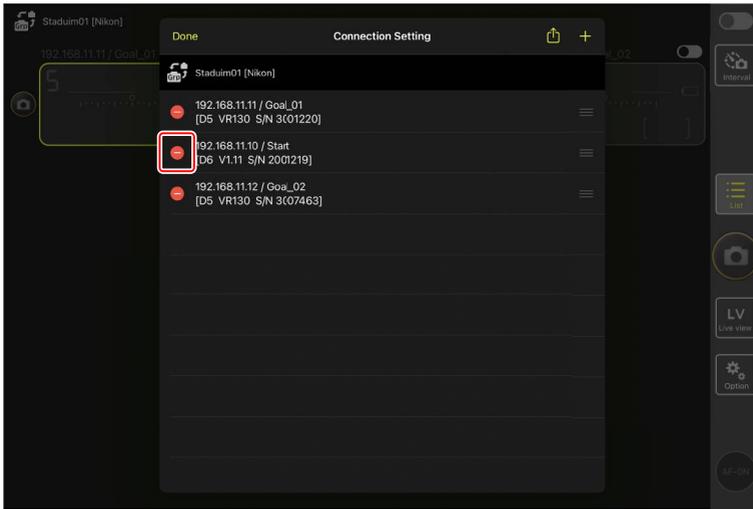


☑ Cautions: Adding Remote Cameras.....

Only one iOS device can be used to control remote cameras, regardless of the number of iPhones or iPads in the group. The cameras will be controlled by the first iPhone or iPad to connect.

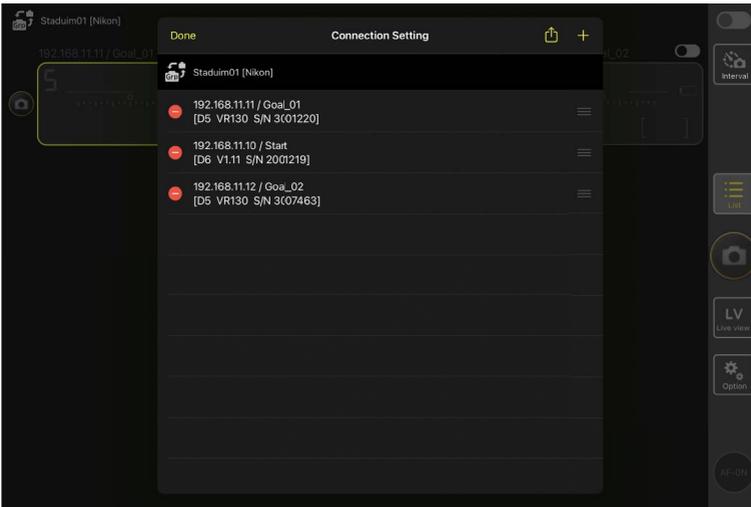
✎ Removing Cameras from the Remote Camera List

To remove a camera from the remote camera list, go to  (options), open **[Connection Setting]**, tap the camera in question, tap , and tap **[Delete]**.



Re-ordering the Remote Camera List

To change the order of the cameras in the remote camera list, go to  (options), open [**Connection Setting**], and drag the  icons for the cameras in question up or down.

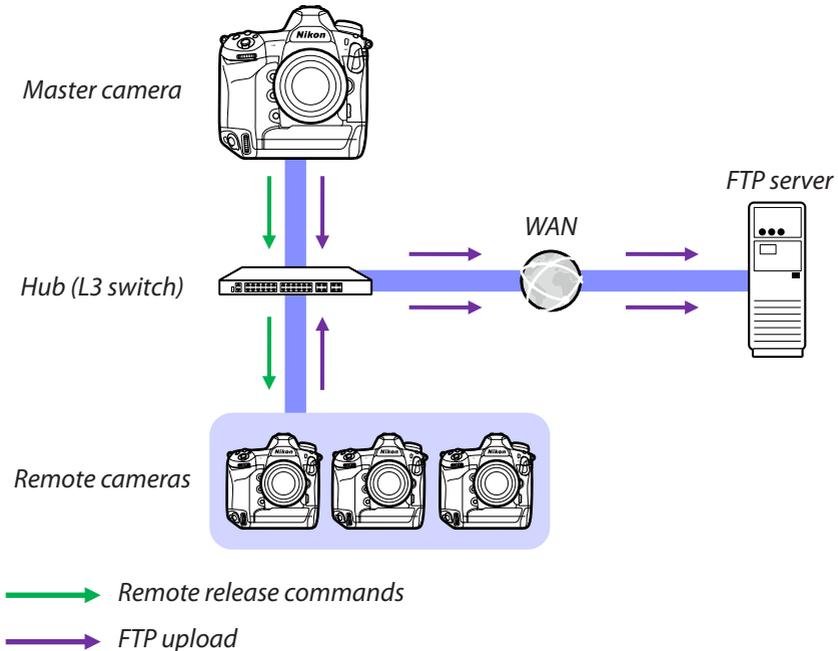


Your iPad is now configured for use with the NX Field system. Proceed to [Remotely Taking and Selecting Pictures for Upload with an iPad](#) (📖 173).

Taking and Uploading Pictures with Master and Remote Cameras (Synchronized Release)

Synchronized Release

“Synchronized release” allows the shutters on one or more remote cameras to be released by pressing the shutter-release button on a master camera. Using NX Field, you can synchronize the releases on up to 10 (or in the case of the Z9 “C” firmware version 4.00 or later, 16) remote cameras with a master camera and upload the pictures to an FTP server.



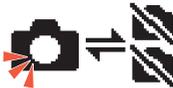
☑ The Z9, Z8, and Z6III Photo/Video Selectors.....

Before taking photographs using a Z9, Z8, or Z6III functioning in the remote camera role, rotate the photo/video selector to . No photographs can be taken when  is selected.

Synchronized Release Settings

The [**Sync. release mode options**] item in the Custom Settings menu controls whether releasing the shutter on the master camera also releases the shutters on the remote cameras.

- For flexible remote photography adapted to the situation, assign [**Sync. release selection**] to a control using the [**Custom controls**] or [**Custom control assignment**] item in the Custom Settings menu.
- Custom controls (including synchronized release selection) and synchronized release mode options can respectively be found in the Custom Settings menu at:
 - Z9 cameras: f2 [**Custom controls (shooting)**] and d5 [**Sync. release mode options**].
 - Z8 and Z6III cameras: f2 [**Custom controls (shooting)**] and d4 [**Sync. release mode options**].
 - D6 cameras: f3 [**Custom controls**] and d4 [**Sync. release mode options**].
 - D5 cameras: f1 [**Custom control assignment**] and d4 [**Sync. release mode options**].

[Sync. release mode options]	Shutter-release button pressed	[Sync. release selection]	Custom control* + shutter-release button
[Sync]	 Master Remote	[Master release only]	 Master Remote
		[Remote release only]	 Master Remote
[No sync]	 Master Remote	[Synchronized release]	 Master Remote
		[Remote release only]	 Master Remote

* The control assigned [Sync. release selection].

Control Assignments Reset

Changing the option selected for Custom Setting d4 [Sync. release mode options] resets [Sync. release selection].

Viewing Remote Camera Status

Release and FTP upload status for remote cameras can be viewed in the master camera's remote camera list.

1. Display the remote camera list.

- The procedure varies with the camera:
 - Z9 cameras: Navigate to [**Connect to other cameras**] > [**Group settings**] in the network menu, highlight the display name you chose when configuring the camera, press the  button, and select [**Remote camera list**] in the [**Edit**] display.
 - Z8 and Z6III cameras: In the network menu, select [**Connect to other cameras**] > [**Remote camera list**].
 - D6 cameras: In the setup menu, select [**Wired LAN/WT**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Remote camera list**].
 - D5 cameras: In the setup menu, select [**Network**] > [**Options**] > [**Sync. release with FTP**] > [**On**] > [**Remote camera list**].
- The remote camera list will be displayed. The label [**Connected**] next to a remote camera indicates that a connection has been successfully established.
- The entries for the remote cameras used for synchronized release will show the time of the most recent shot.

2. Select the desired camera.

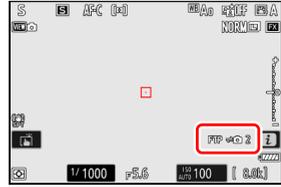
- Highlighting a remote camera with the [**Connected**] label and pressing  displays the number of images awaiting upload from the camera via FTP, FTP connection status, the battery level, and the number of exposures remaining.

☑ Remote Camera Control Priority

- If multiple cameras in a given group have been chosen as master cameras, the NX Field system will assign the role to the first camera on. Only one camera can function in the “master camera” role at a time.
- Connections to remote cameras from an iPhone or iPad via the NX Field app take priority over connections from a master camera. Control will be passed back to the master camera when you end the connection from the NX Field app. Cameras controlled from other master cameras or from the NX Field app are labeled [**Busy**] in the master camera’s remote camera list.
- You can use a custom control to transfer control of remote cameras from the current master camera to a Z9 (“C” firmware version 3.00 or later), Z8, or Z6III configured to function in the master camera role.
 - Assign [**Override other cameras**] to a control using Custom Setting f2 [**Custom controls (shooting)**].
 - Press the control to which [**Override other cameras**] has been assigned to promote the camera to the role of a master camera in control of the remote cameras within its current group in the NX Field system.
 - Control can be transferred to the master camera by means of a custom control even if the remote cameras are currently being controlled from the NX Field app.

Viewing Remote Camera Status in the Master Camera Shooting Display

The shooting displays for Z9 ("C" firmware version 3.00 or later), Z8, and Z6III cameras functioning in the master camera role will show the number of remote cameras currently listed as **[Connected]**. This does not apply if the master camera photo/video selector is rotated to .



- **[FTP]** will appear in the master camera shooting display if any of the remote cameras are connected to an FTP server.
- If any of the remote cameras is currently listed as **[Busy]** or **[Error]**, the **[FTP]** and camera icons and the number of cameras will be shown in red, and  will appear in the camera icon. In this case, the display shows the number of cameras with which no connection could be established.

Autofocus Settings for Remote Cameras

Autofocus settings for remote cameras must be adjusted according to whether or not autofocus is to be synchronized with the master camera.

Focusing the Remote Cameras Using Autofocus

To have the remote cameras focus at the same time as the master camera, enable AF activation using the shutter-release button.

- The procedure varies with the camera:
 - Z9, Z8, Z6III, and D6 cameras: Select [**Shutter/AF-ON**] for Custom Setting a6 [**AF activation**].
 - D5 cameras: Select [**Shutter/AF-ON**] for Custom Setting a8 [**AF activation**].

Having the Remote Cameras Focus at a Fixed Distance

To disable autofocus and have the remote cameras focus at a pre-selected distance, disable AF activation using the shutter-release button.

- The procedure varies with the camera:
 - Z9, Z8, Z6III, and D6 cameras: Select [**AF-ON only**] for Custom Setting a6 [**AF activation**].
 - D5 cameras: Select [**AF-ON only**] for Custom Setting a8 [**AF activation**].

Adjusting Autofocus Settings from the NX Field App

Autofocus settings for remote cameras can be adjusted from your iPhone or iPad using the NX Field app (📖 119, 260).

Remotely Taking and Selecting Pictures for Upload with an iPhone

iPhones running the NX Field app can be used to adjust settings or release the shutters on remote cameras and select pictures for upload via FTP.

Video Recording.....

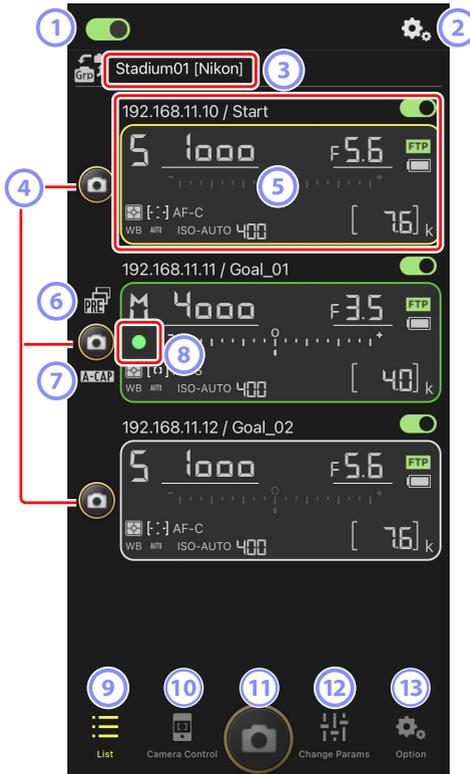
The iPhone edition of the NX Field app does not support video recording.

Uploading Pictures via FTP.....

The pictures uploaded to FTP servers using the NX Field app are not the copies stored on the iPhone but the original pictures stored on the camera memory card.

NX Field App Displays

Launching the NX Field app displays the remote camera list. Its controls are described below.



① **Connection Switch** (📖 50)

Enable or disable the connection to the remote cameras listed under the current display name.

② **Connection/Camera Control Options**

Tapping this button in the dialog shown after launch displays remote camera connection settings (📖 49). In the camera control display (📖 86), you can tap it to view focus, playback, and other settings for remote cameras.

③ **Display Name and [Group Name]** (📖 47)

The display name and group name. Tap to switch display names.

④ **Shutter-Release Button (on one camera)**

Releases the shutter on the selected remote camera.

⑤ **Remote Camera Info** (📖 84)

A series of displays mirroring the information in the cameras' top control panels, including shutter speed and aperture. Cameras can be controlled individually using shutter-release button to the left and the connection switch at the top right corner of each display. Touch and hold the remote camera info area to display [**Copy exposure info.**].

⑥ **Pre-Release Capture Icon** (📖 101)

Displayed while performing Pre-Release Capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

⑦ **A-CAP Icon** (📖 105)

Displayed while performing auto capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

⑧ **Memory Card Access Icon**

Lights while data are being recorded to the memory card in the remote camera.

⑨ **List** (📖 85)

Opens the list display.

⑩ **Camera Control** (📖 86)

Opens the camera control display.

⑪ **Shutter-Release Button (on multiple cameras)**

Releases the shutters on all cameras in the remote camera list with connection switches currently in the  (on) position.

⑫ **Change Parameters** (📖 88)

Opens the “change parameters” display.

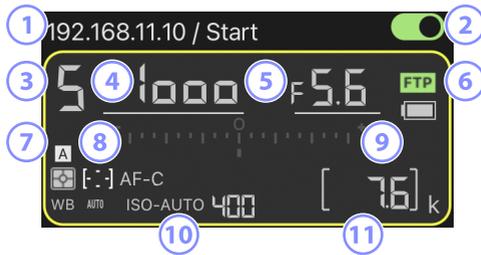
⑬ **Options** (📖 89)

Opens the options display.

Remote Camera Info

View the same information as is shown in the remote camera's top control panel, including shutter speed and aperture.

- Tapping remote camera info in list view displays camera controls.
- To choose a destination when copying exposure settings, touch and hold the info display for the desired remote camera and select [**Copy exposure info.**] (📖 123).
- If [**Enable the shooting menu bank**] is enabled, you can swipe left or right on remote camera info display to choose a shooting menu bank (📖 131).



- ① IP address/name
- ② Connection switch (on one camera)
- ③ Shooting mode
- ④ Shutter speed
- ⑤ Aperture
- ⑥ FTP connection status/battery level
- ⑦ Metering/AF-area mode/focus mode/white balance
- ⑧ Shooting menu bank ("A" through "D")
- ⑨ Exposure indicator
- ⑩ Auto ISO sensitivity indicator/ISO sensitivity
- ⑪ Number of exposures remaining

The List Display

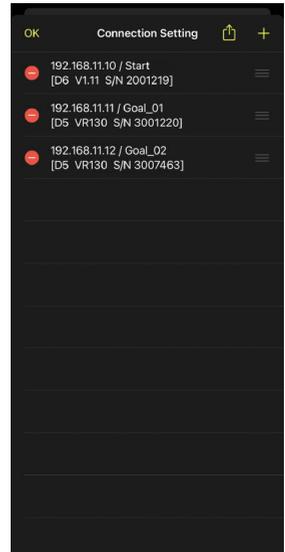
View information for the cameras in the remote camera list.

- The shutters on all cameras with connection switches currently in the  (on) position can be released simultaneously (📖 92).
- Shutters for selected cameras can also be released individually (📖 94).
- If you have created multiple display names, you can switch between them by tapping  (display button).



Connection Options

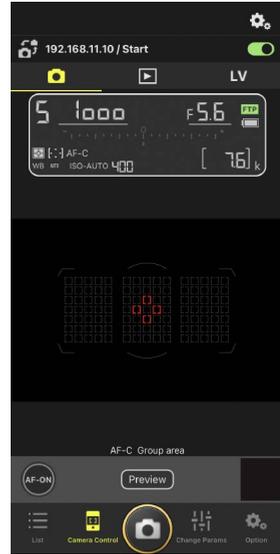
Tapping  (connection options button) in the list display opens [**Camera Connection**] (📖 49).



The Camera Control Display

Camera controls can be viewed by tapping remote camera info or  (camera control button) in the list display.

- You can adjust focus during shooting using the controls in  (camera tab) (D6/D5 only; [book 95](#)).
 - Select  (camera tab) and tap  (A-CAP button) to perform auto capture operations (Z9 “C” firmware version 5.00 or later only; [book 105](#)).
- Select  (playback tab) to view pictures taken with the remote camera. You can also delete pictures or upload them to an FTP server ([book 135](#)).
- Select  (LV tab) to take pictures while viewing a live image from the remote camera ([book 98](#)).



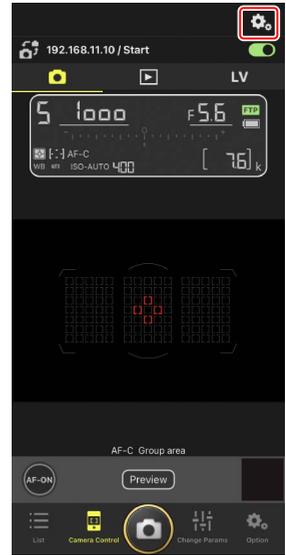
Changing Camera Settings in the Remote Camera Info Display

Changes to settings can be made by tapping the following items in the remote camera info panes in the camera control display:

- Shooting mode
- Shutter speed
- Aperture
- Metering
- AF-area mode
- Focus mode
- White balance
- Exposure compensation
- ISO-AUTO (auto ISO sensitivity control)
- ISO sensitivity

■ Camera Control Options

To display camera control settings for the current tab, tap  (camera control options button) in the camera control display.



	Tab	Description	
	Camera	Adjust focus-related settings. *	 119
	Playback	Adjust settings for the playback display. *	 138
	LV	Adjust settings for live view. *	 102

* The options available vary with the camera.

The “Change Parameters” Display

Adjust exposure, autofocus, image quality, and other settings for the remote camera selected in the list display (📖 121, 126).



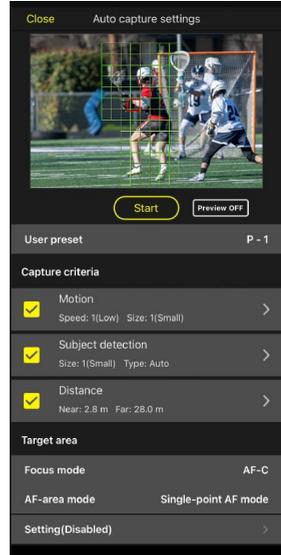
Changing Camera Settings in the Remote Camera Info Display

Changes to settings can be made by tapping the following items in the remote camera info panes in the “change parameters” display:

- Shooting mode
- Shutter speed
- Aperture
- Metering
- AF-area mode
- Focus mode
- White balance
- Exposure compensation
- ISO-AUTO (auto ISO sensitivity control)
- ISO sensitivity

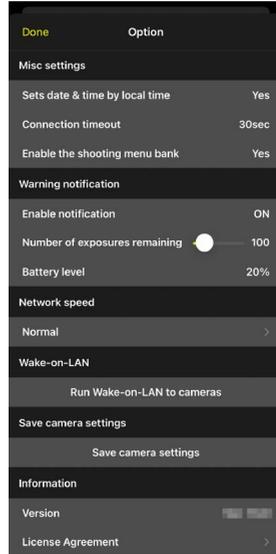
The Auto Capture Settings Display (Z9 “C” Firmware Version 5.00 or Later Only)

Select  (camera tab) in the camera control display and tap  (A-CAP button) to show the auto capture settings display. You can configure auto capture settings, view a preview, load user presets, and start or suspend auto capture ( 105).



The Options Display

Used for such tasks as adjusting remote camera network, group, and FTP profile settings or formatting memory cards (📖 171).



Taking Pictures with the NX Field App

In the NX Field app, remote camera shutters can be released from either the list display or live view.

Video Recording

The iPhone edition of the NX Field app does not support video recording.

Taking Pictures in the List Display

⚠ Caution: Taking Pictures in the List Display

The live image stream and shutter-release button response may lag if you switch to live view immediately after taking a burst of pictures in the list display.

■ Taking Pictures with Multiple Remote Cameras

Tapping  (shutter-release button) at the bottom of the list display releases the shutters on all remote cameras with connection switches currently in the  (on) position.

- The remote camera info for the camera in question is highlighted in green while photography is in progress.
- The memory card access (📄 45) icon will light while pictures are being recorded to the memory card.
- The **FTP** (FTP) icon will flash while pictures are being uploaded to an FTP server.

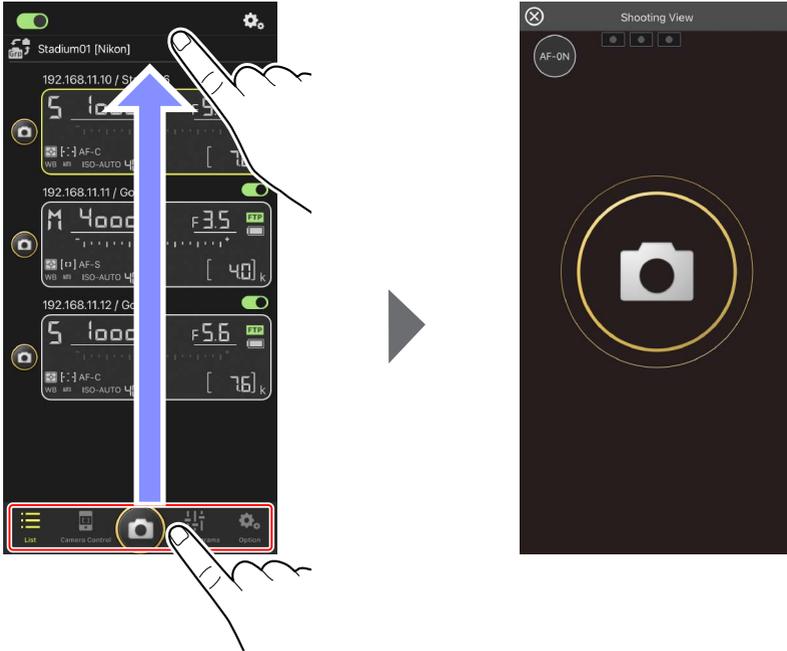


✎ Disabling the Release on Selected Cameras

The releases for selected cameras can be disabled by tapping  (connection switch) at the top right corner of each camera's remote camera info.

Full-Screen Release Mode

To switch to full-screen release mode, swipe up from the gray area containing  (shutter-release button) and other controls in the list display. This lets you take photographs without looking at the display so that you can focus all your attention on your subject.



- Tap  (AF-ON button) to initiate focus operations on all connected remote cameras and tap it again to stop.
- Tap the display to release the shutters on all connected remote cameras.
- Tap the  at the top left corner of the screen to return to the list display.

■ Taking Pictures with a Single Camera

The shutter for a selected remote camera can be released by tapping its  (shutter-release button) in the list display.

- The remote camera info for the camera in question is highlighted in green while photography is in progress.
- The memory card access ( 45) icon will light while pictures are being recorded to the memory card.
- The  (FTP) icon will flash while pictures are being uploaded to an FTP server.

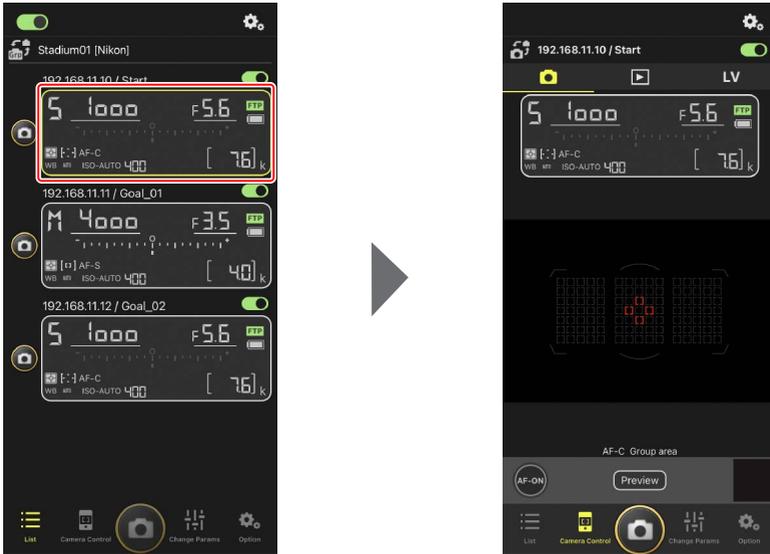


Adjusting Focus for a Selected Camera (D6 and D5 Only)

You can focus selected remote cameras before taking pictures.

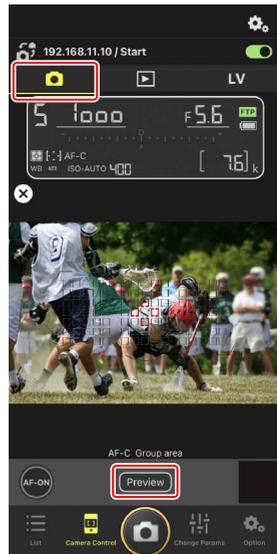
1. Select the remote camera by tapping it in the list display.

Controls for the selected remote camera will be displayed.



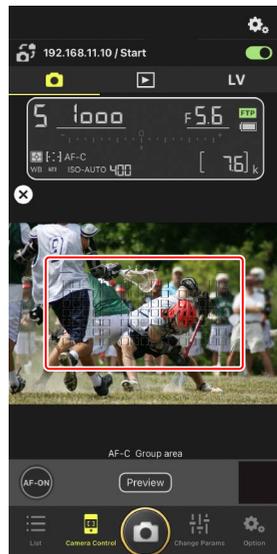
2. Select  (camera tab) and tap  (preview button).

The app will retrieve a preview from the remote camera for reference during focusing. Note that the image is not live; if the subject moves, tap  (preview button) again.



3. Tap to position the focus point.

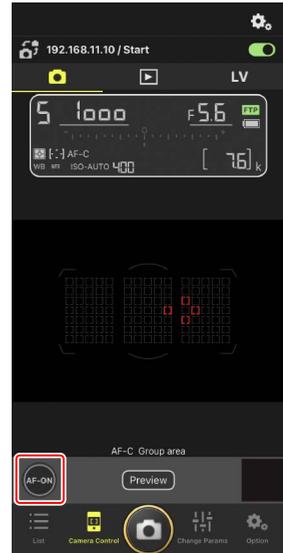
The focus point will move to the selected position.



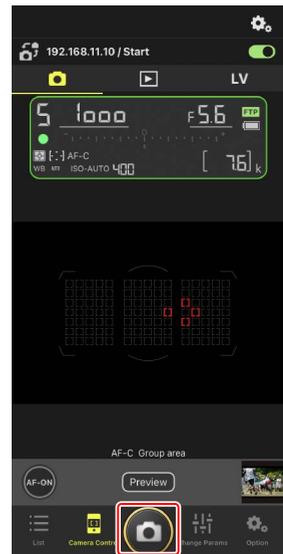
4. Touch and hold  (AF-ON button) to focus.

The remote camera will focus on the subject in the selected focus point.

- The preview will clear from the display when you tap  (AF-ON button). You can check focus by tapping  (preview button) again to retrieve another preview.



5. Tap  (shutter-release button) to take a picture.



Live View Photography

Live view lets you check the view from remote cameras while adjusting settings and taking pictures.

⚠ Caution: Live View Photography

Shutter-release button response may lag if you switch to the list display immediately after taking a burst of pictures in live view.

- 1. Select the remote camera by tapping it in the list display.

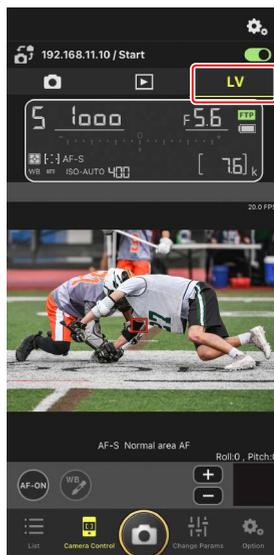
Controls for the selected remote camera will be displayed.



2. Tap **LV** (LV tab).

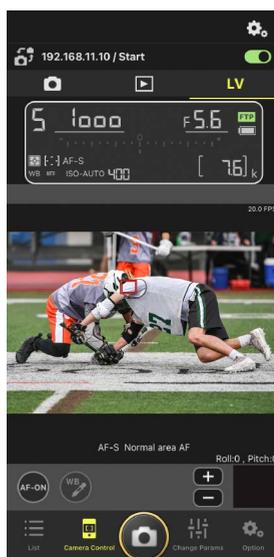
A live image from the remote camera will be displayed.

- With a power zoom lens attached, the remote camera can use NX Field app (☞ 103) controls to zoom in and out.



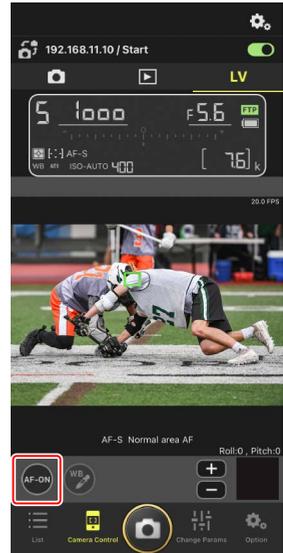
3. Tap to position the focus point.

The focus point will move to the selected position.



4. Touch and hold  (AF-ON button) to focus.

- Touch and hold  (AF-ON button) when Pre-Release Capture is enabled to perform Pre-Release Capture buffering. Tapping the shutter-release button while holding  (AF-ON button) saves the burst recorded during the buffering.



AF Activation

Whether tapping  (shutter-release button) initiates autofocus during live view photography varies with the camera:

- Z9, Z8, Z6III, and D6 cameras: Tapping  (shutter-release button) will initiate autofocus provided [**Shutter/AF-ON**] is selected for Custom Setting a6 [**AF activation**].
- D5 cameras: Tapping  (shutter-release button) does not initiate autofocus, even if [**Shutter/AF-ON**] is selected for Custom Setting a8 [**AF activation**].

Using the Pre-Release Capture Feature with High-Speed Frame

Capture +

When selecting a high-speed frame capture + mode (C15, C30, C60, or C120) for the camera release mode, you can use Custom Setting d4 [**Pre-Release Capture options**] to choose the length of the burst recorded from the end of the memory buffer when the shutter-release button is pressed all the way down and the maximum length of the burst recorded while the shutter-release is fully pressed. You can also change settings for Pre-Release Capture and release mode in the [**Exposure**] tab (📖 121) on the camera settings display of the NX Field App.

Manual Focus Adjustment

If the lens focus-mode switch is set to M/A or A/M when autofocus is enabled on the camera, focus can be adjusted manually by tapping  and . Each tap adjusts focus by the amount selected for [**MF driving amount**] in the  (camera control options) display.

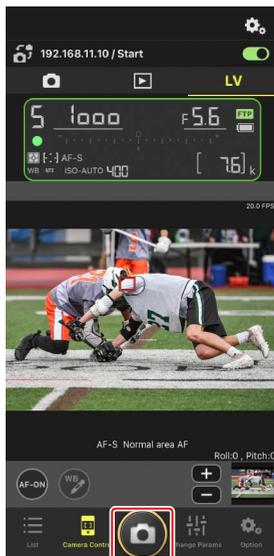
AF-ON Unavailable (D5 Only)

Selecting [**AF-F**] for [**LV - AF mode**] disables  (AF-ON button) for the remote camera in question. Select [**AF-S**] for  (camera control options) > [**LV - AF mode**] (📖 119).

Focusing at a Fixed Distance

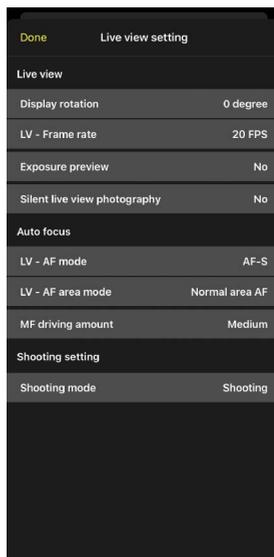
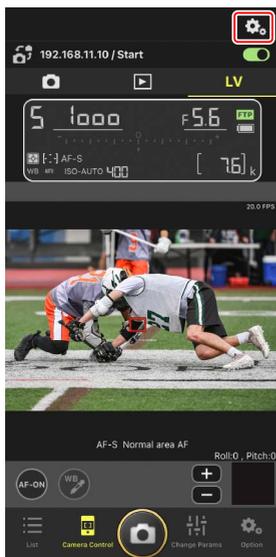
To focus at a fixed distance, select manual focus on the camera. Note that you cannot initiate autofocus or manually adjust the focus position from the NX Field app while focusing at a fixed distance.

5. Tap  (shutter-release button) to take a picture.



Adjusting Live View Settings

Frame rate and other settings can be adjusted by tapping  (camera control options button) in the live view display.



■ Zooming with Power Zoom Lenses

With a power zoom lens attached, the remote camera can use NX Field app controls to zoom in and out.

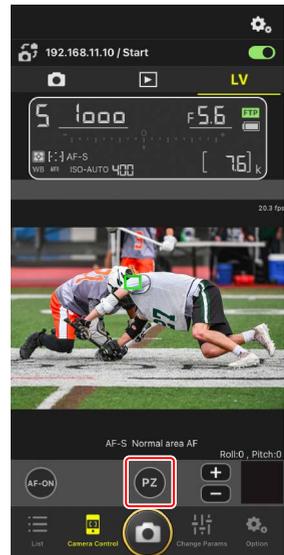
☑ Supported Cameras

This feature is available with:

- Z9 cameras ("C" firmware version 5.10 or later)
- Z8 cameras ("C" firmware version 2.10 or later)
- Z6III cameras ("C" firmware version 1.10 or later)

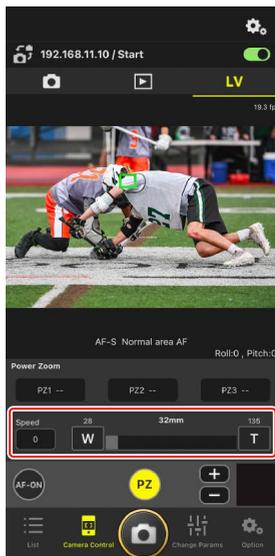
1. Tap  (power zoom button) in the live view display.

This displays the tool area.



2. Tap **W/T** to zoom in and out.

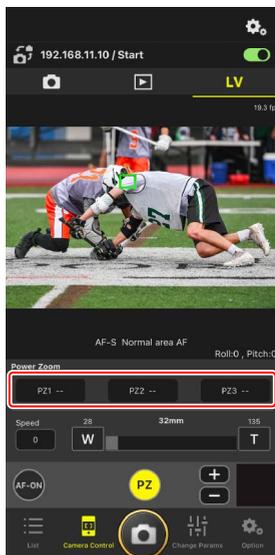
- Tap **W** to zoom out and **T** to zoom in.
- Tap the [**Speed**] value to select the zooming speed from the sub-menu.
- Tap **PZ** (power zoom button) again to hide the tool area.



Saving Zoom Positions

Touch and hold any of [**PZ1**] to [**PZ3**] and select [**Add Zoom position**] from the sub-menu to save the current zoom position as a preset (excluding APS-C sized, DX-format NIKKOR Z lenses).

- Tap the desired preset to recall it.
- To delete a preset, touch and hold it and select [**Clear Zoom position**] from the sub-menu.
- Attaching a power zoom lens other than the one used to save the preset will reset all saved presets.

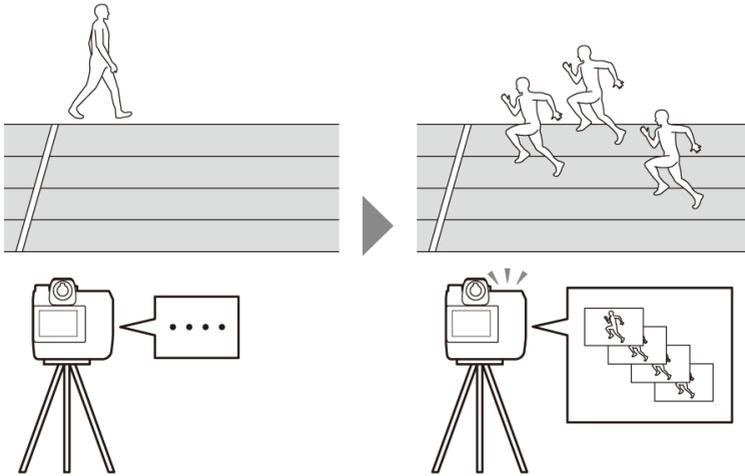


Performing Auto Capture Operations on the NX Field App

Use the NX Field app to start, suspend, or adjust settings for auto capture on the camera (Z9“C” firmware version 5.00 or later only).

What Is “Auto Capture”?

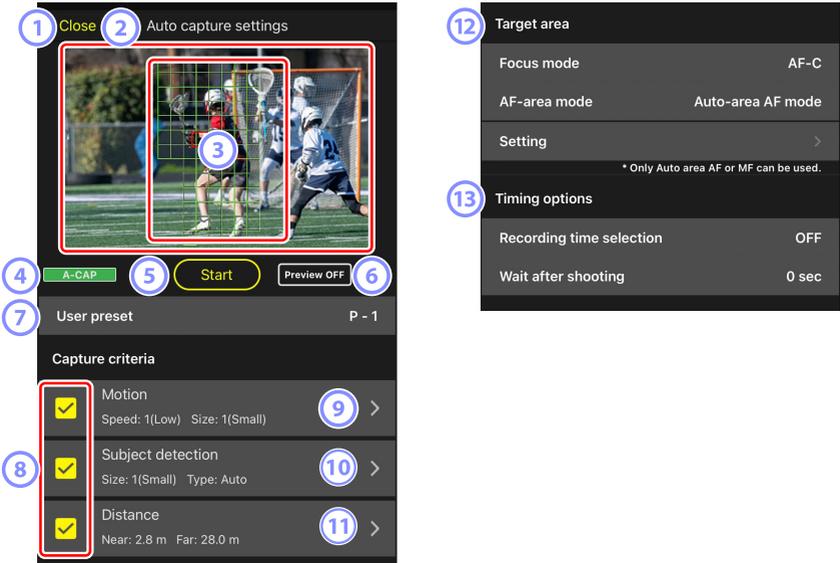
Auto capture is a function in which the camera takes photos or records videos automatically when the camera recognizes a subject. By choosing the trigger criteria for auto capture, photographers create what is effectively an unmanned camera that can take photos or film videos automatically without further action on their part.



- For details on auto capture, refer to the supplemental instructions for “C” firmware version 5.00 in the *Z9 Reference Guide*.

The Auto Capture Settings Display

Select  (camera tab) in the camera control display and tap  (A-CAP button) to show the auto capture settings display (📖 86). You can configure auto capture settings, view a preview, load user presets, and start or suspend auto capture.



1 Close

Return to the camera control display.

- Closing the auto capture settings display does not suspend an auto capture that is in progress. Tap **[End]** to end auto capture.

2 Live View

Before starting auto capture, you can check whether the camera recognizes the subject as intended. When the camera recognizes a subject that meets the configured criteria, green boxes appear on the subject.

③ Focus Point/Auto Capture Detection Area

The focus point is displayed in red, and the auto capture detection areas are displayed in green. If a setting other than **[Auto-area AF]** is configured for the AF-area mode on the camera, you can tap the screen to move the focus point.

④ The Auto Capture Status Display

A-CAP is displayed while auto capture is in progress.

⑤ Start/End

Tap the **[Start]** button to start auto capture with configured settings. Tap the **[End]** button to end auto capture.

Disabled **[Start]** Button

The **[Start]** button is disabled if the camera cannot perform auto capture operations due to conditions such as no lens being attached. Check the camera's settings.

Caution: Saving Settings to the Camera during Auto Capture (Z9 "C" Firmware Version 5.00 or Later Only)

Saving settings to the camera by tapping  (options) and selecting **[Option]** > **[Save camera settings]** will end auto capture.

⑥ Preview

Tap this button to show or hide the focus point/auto capture detection area (③).

⑦ User Presets

Select and load user presets for auto capture stored in the camera. Changes made to auto capture settings with the NX Field app are also automatically reflected in user presets.

8 **The [Capture Criteria] Check Boxes**

Checked settings will be effective during auto capture.

- At least one checkbox must be checked. When switching capture criteria, first check the checkbox of the criterion to be switched to.

9 **[Motion]**

The configured speed and size of motion are displayed. Tap to display motion settings (📖 109).

10 **[Subject Detection]**

The size and target of subject detection are displayed. Tap to display subject detection settings (📖 112).

11 **[Distance]**

Displays the nearest and farthest distances to the subject that the camera recognizes. Tap to display distance settings (📖 114).

- You can use this function when a NIKKOR Z lens is attached. It may not function with other lenses.

12 **[Target Area]**

Tap to display target area settings (📖 116).

- Configure settings for the focus mode and the AF-area mode. Tap **[Setting]** to display the target area settings when any of the following criteria is met:
 - The focus mode is set to a mode other than **MF** and the AF-area mode is set to **[Auto-area AF]**.
 - The focus mode is set to **MF** and the **[Distance]** capture criteria checkbox is unchecked

13 **[Timing Options]**

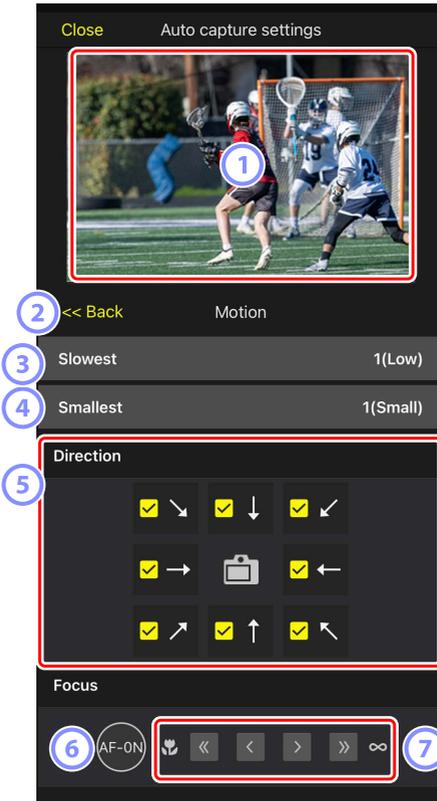
Configure the shooting duration and the minimum length of time it will wait before beginning shooting again (📖 118).

Configuring Capture Criteria

Configure the criteria for performing auto capture. The configurable criteria are **[Motion]**, **[Distance]**, and **[Subject detection]**. If multiple criteria are selected, shooting will only be performed when all of the criteria are satisfied.

[Capture Criteria]: [Motion]

Tap **[Motion]** in the auto capture settings display to open the motion settings display. You can configure the direction of movement, speed, and size of the subject.



① **Live View**

Preview how the camera recognizes the subject under the configured motion criteria.

- You can configure the point where you want to focus by tapping the position where the subject is expected to enter the angle of view.

② **Back**

Save settings and return to the previous display.

③ **[Slowest]**

Configure a value that corresponds to the speed measured as the time taken for the subject to cross the frame horizontally. Each option roughly corresponds to the following number of seconds.

- **[1(Low)]**: About 5 s or less
- **[2]**: About 4 s or less
- **[3]**: About 3 s or less
- **[4]**: About 2 s or less
- **[5(High)]**: About 1 s or less

④ **[Smallest]**

You can configure the size of the subject. Choose from the following five options corresponding to the size of the auto capture detection areas consisting of the number of points (the green boxes displayed in live view).

- **[1(Small)]**: 4 points or larger
- **[2]**: 8 points or larger
- **[3]**: 14 points or larger
- **[4]**: 24 points or larger
- **[5(Large)]**: 34 points or larger

Size Settings for [Motion] and [Subject Detection].....

When both **[Motion]** and **[Subject detection]** are checked under **[Capture criteria]** in the auto capture settings display, the **[Smallest]** chosen for the former will have no effect on the **[Smallest]** chosen for the latter. Changing the **[Smallest]** selected in the motion settings display has no effect on the **[Smallest]** selected in the subject detection display. The two conditions will be assessed separately, but only subjects that meet the criteria for both will trigger auto capture.

5 **[Direction]**

Select the direction in which the subject should move in order for the camera to shoot. Multiple directions can be selected. Tap the camera icon in the center to check all check boxes.

6 **AF-ON**

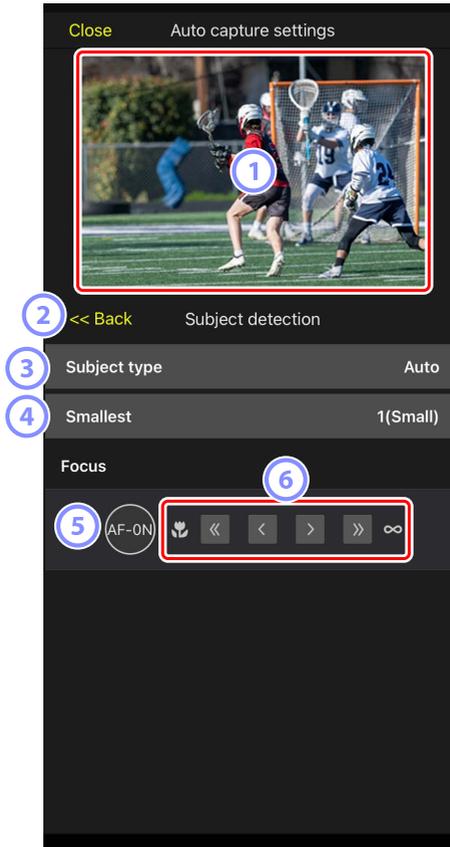
Touch and hold the button to perform autofocus on the selected focus point.

7 **Manual Focus**

Tap **<<** or **>>** to move the focus position to the near side or the infinity side in fixed step widths. To adjust the focus position in smaller step widths, tap **<** or **>**.

■ [Capture Criteria]: [Subject Detection]

Tap **[Subject detection]** in the auto capture settings display to open the subject detection settings display. You can configure the size and type (such as animal or vehicle) of the subject.



① Live View

Preview how the camera recognizes the subject under the configured subject detection criteria.

- You can configure the point where you want to focus by tapping the position where the subject is expected to enter the angle of view.

② **Back**

Save settings and return to the previous display.

③ **[Subject Type]**

Choose a subject type from **[Auto]**, **[People]**, **[Animal]**, **[Vehicle]**, or **[Airplanes]**.

④ **[Smallest]**

You can configure the size of the subject as a percentage of the angle of view. Each option roughly corresponds to the following percentages.

- **[1(Small)]**: 2.5% or more
- **[2]**: 5% or more
- **[3]**: 10% or more
- **[4]**: 15% or more
- **[5(Large)]**: 20% or more

Size Settings for [Motion] and [Subject Detection].....

When both **[Motion]** and **[Subject detection]** are checked under **[Capture criteria]** in the auto capture settings display, the **[Smallest]** chosen for the former will have no effect on the **[Smallest]** chosen for the latter. Changing the **[Smallest]** selected in the motion settings display has no effect on the **[Smallest]** selected in the subject detection display. The two conditions will be assessed separately, but only subjects that meet the criteria for both will trigger auto capture.

⑤ **AF-ON**

Perform autofocus at the position where the focus point is set while touching and holding the button.

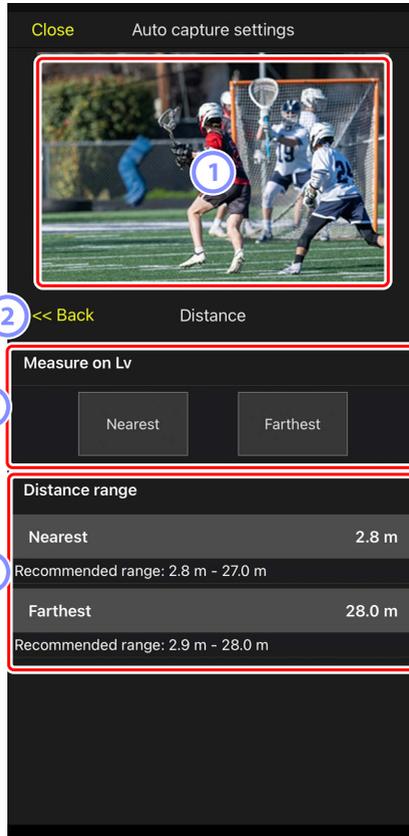
⑥ **Manual Focus**

Tap **<<** or **>>** to move the focus position to the near side or the infinity side in fixed step widths. To adjust the focus position in smaller step widths, tap **<** or **>**.

■ [Capture Criteria]: [Distance]

Tap **[Distance]** in the auto capture settings display to open the distance settings display. You can configure the nearest and farthest distances at which the camera will recognize the subject.

- You can use this function when a NIKKOR Z lens is attached. It may not function with other lenses.
- The nearest distance cannot be set greater than the farthest distance.



① **Live View**

Preview how the camera recognizes the subject under the configured distance criteria.

② **Back**

Save settings and return to the previous display.

③ **[Measure on Lv]**

Tap these buttons to enable changes to the nearest or farthest distance by tapping the live view display. Tap **[End]** to end the process.

- This option is not available when the focus mode is set to **MF**.

④ **[Distance Range]**

Tap to select the nearest and farthest distances.

- The setting units according to the range of distances are as follows:
 - Less than 20 m: 0.1 m
 - 20-50 m: 1.0 m
 - More than 50 m: 5.0 m
- Set the distance within the range indicated by **[Recommended range]**. Setting the distance outside this range will reduce the accuracy of recognizing the distance to the subject.

■ Configuring the Target Area

Tap **[Setting]** under **[Target area]** in the auto capture settings display to open the target area settings display. By specifying non-target areas, such as areas with obstacles within the angle of view, you will be able to capture the subject more accurately.

- This option is available when either of the following criteria is met:
 - When the focus mode is set to a mode other than **MF** and the AF-area mode is set to **[Auto-area AF]**.
 - When the focus mode is set to **MF** and the **[Capture criteria]** checkbox for **[Distance]** is unchecked.



① **Live View**

Preview how the camera recognizes the subject within the target area.

② **Back**

Save settings and return to the previous display.

③ **[Specify Target Area (Tap on LV)]**

After tapping the [**Non-target area**] or [**Target area**] button, you will be able to tap points in live view to set them as non-target or target areas. Contiguous points can be selected together by dragging your finger across the screen.

④ **[Select/deselect All]**

Target and non-target areas for subject recognition can be configured all at once.

 **Tip for Configuring the Target Area**

If the non-target area is larger, tap [**Deselect all**], or if the target area is larger, tap [**Select all**], then use [**Specify target area (Tap on LV)**] to quickly configure the target area.

⑤ **[Fill Size]**

Set the size of the area to be selected with a single tap.

■ Configuring the Recording Time

Configure the length of time the camera continues to shoot after auto capture is triggered and the minimum length of time it will wait before beginning shooting again.

- **[Recording Time Selection]**

Select the amount of time to record for each shot from 1 second to 30 minutes, or select **[OFF]**. If a setting other than **[OFF]** is selected, the camera will continue to record for the configured amount of time even if the subject is no longer detected. If **[OFF]** is selected, the camera will only record while the subject is detected.

– Depending on the settings on the camera, it may not be possible to record for the configured amount of time.

- **[Wait After Shooting]**

Select the amount of time to wait after shooting from 0 seconds to 30 minutes. The camera will not start shooting until the configured amount of time has elapsed since the previous shot, even if the subject is detected earlier.

Adjusting Remote Camera Settings from the NX Field App

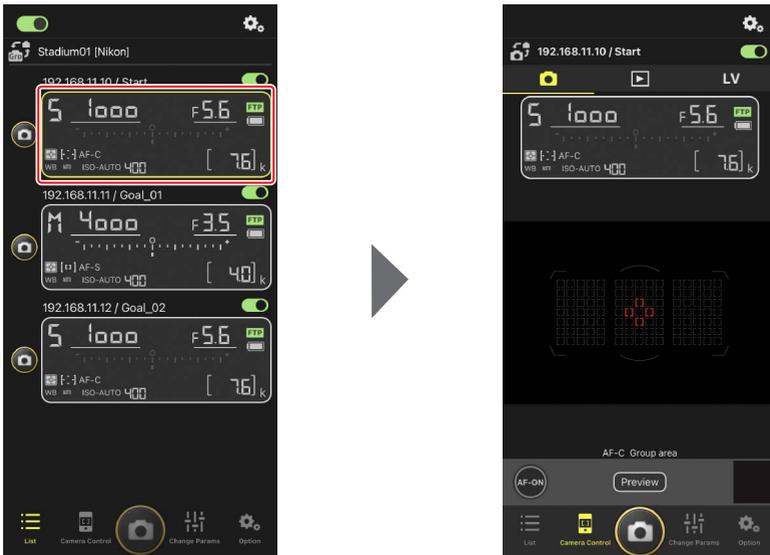
The controls for adjusting remote camera settings in the NX Field app consist of a display principally for focus-related settings, another for exposure-related settings, and a third for most other camera settings.

Adjusting Focus-Related Settings

The NX Field app can be used to select the focus mode and AF-area mode and adjust other focus-related settings.

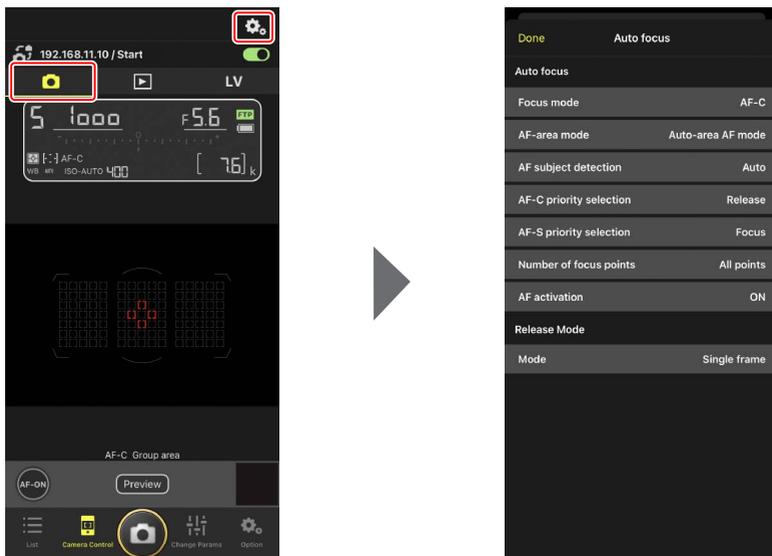
1. Select the remote camera by tapping it in the list display.

Controls for the selected remote camera will be displayed.



2. Select  (camera tab) and tap  (camera control options).

You can adjust focus and release-mode settings for the selected remote camera. To do so, tap the desired settings.



Frame Advance Rate

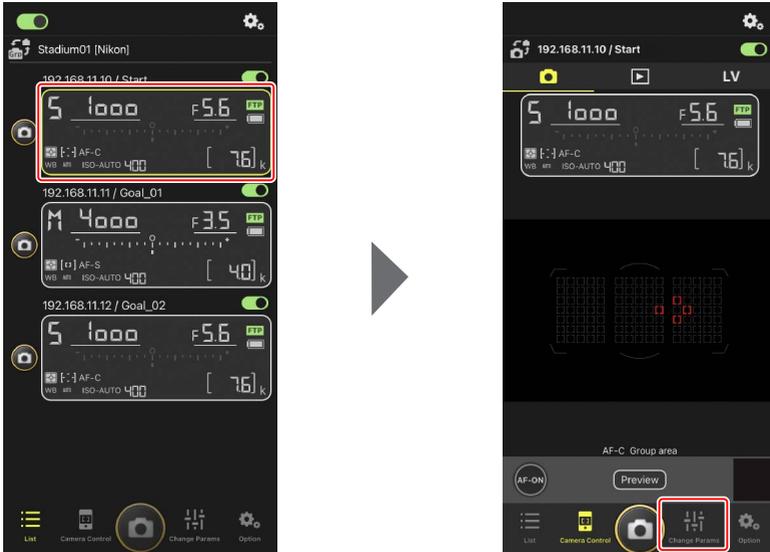
- The frame advance rate (“shooting speed”) can be adjusted from the NX Field app only when the remote camera release mode dial is in the “quick release-mode selection” position.
- You can also change release mode settings in the **[Exposure]** tab (📖 121) on the camera settings display.

Adjusting Exposure Settings

Remote camera settings such as shutter speed and aperture can be adjusted from the NX Field app.

1. Select the desired remote camera by tapping it in the camera list and then tap **[Change Params]**.

Settings for the selected remote camera will be displayed.



2. Tap **[Exposure]**.

Adjust exposure settings for the selected remote camera. This can be done by tapping settings in the display.



Shooting Mode for Z6III

The shooting mode for Z6III cannot be set from the NX Field app. Use the camera to change the setting.

■ Copying Exposure Settings from One Remote Camera to Another

Exposure settings can be copied from the display to any other remote cameras currently connected.

- The following settings will be copied: shutter speed, aperture, auto ISO sensitivity control status (enabled or disabled), ISO sensitivity, exposure compensation, white balance, white balance fine-tuning, and preset manual white balance.

1. Touch and hold the info for the source remote camera and then tap [**Copy exposure info.**].

You will be prompted to choose the destination remote cameras.



2. Select the desired remote cameras and tap **[Done]**.

Tap **[Yes]** when prompted to copy the source camera's exposure settings to the selected cameras.



☑ Restrictions

- Depending on the model and current settings, the destination remote cameras may not support the copied values. In this event, shutter speed, aperture, ISO sensitivity, and exposure compensation will be set to the closest supported values.
- You may not be able to copy white balance between different models of camera.
- Exposure settings cannot be copied during auto capture (a feature available with Z9 cameras from "C" firmware version 4.00) if it was initiated from the NX Field app.

High-Frequency Flicker Reduction

A [**High-frequency flicker reduction**] option is available when a Z9 ("C" firmware version 2.10 or later), Z8, or Z6III is connected.

- Select [**Yes**] to enable [**High-frequency flicker reduction setting**]. You will then be able to adjust [**Shutter speed**] in smaller-than-normal increments while previewing the effect in live view. Tap **<<** or **>>** to adjust shutter speed by the amount selected on the remote camera. To adjust shutter speed in smaller increments, tap **<** or **>**.



- The shutter-speed display will show only the denominator, including the first digit following the decimal point.
- For more information on high-frequency flicker reduction, see the Z9, Z8, or Z6III *Reference Guide*.

Adjusting Other Remote Camera Settings

Adjust remote camera settings, such as white balance and Picture Controls.

The “Change Params” [AF/WB] Tab

Adjust autofocus and white balance settings. Some autofocus settings can also be accessed via camera control options (📖 119).

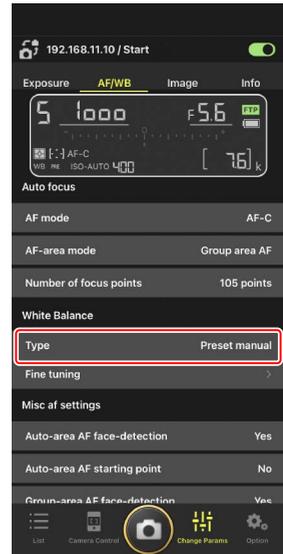


Measuring Spot White Balance (D6 and D5 Only)

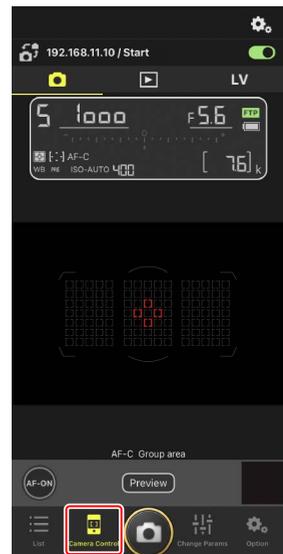
Spot white balance can be measured in live view when **[Preset manual]** is selected for white balance.

1. Select **[Preset manual]** for white balance.

White balance settings can be accessed from the **[AF/WB]** tab in the “change parameters” display.



2. Tap  (camera control button).



3. Tap **LV** (LV tab).

A live image from the remote camera will be displayed.



4. Tap **WB** (WB button).

The button will turn yellow to indicate that direct measurement mode is selected.



5. Tap a neutral gray or white area of the subject.

If the measurement succeeds, the live view display will be highlighted in green and **[Success]** will be displayed.

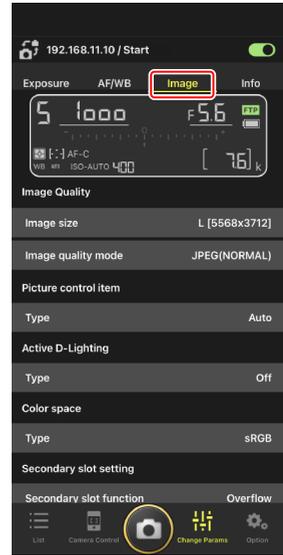
- If the live view display is not highlighted in green, tap a neutral gray or white area of the subject again.



6. Tap  (WB button) again to exit direct measurement mode.

■ The “Change Params” [Image] Tab

Adjust image quality, Picture Controls, and other image-related settings.



■ The “Change Params” [Info] Tab

Select the data saved with pictures, including IPTC information and image comments.



■ Choosing a Settings Bank

You can switch between photo shooting menu settings stored on the remote camera in banks “A” through “D” by swiping the remote camera info in the NX Field app.

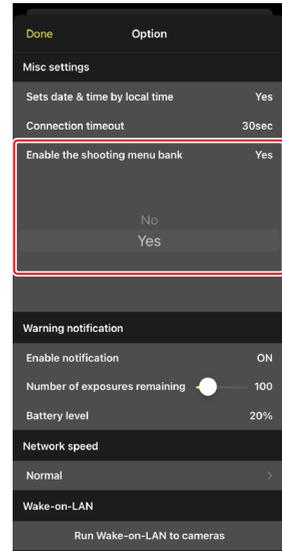
- This feature is available with the Z9, Z8, D6, and D5.

1. Adjust settings in the remote camera photo shooting menu.

The procedure varies with the camera:

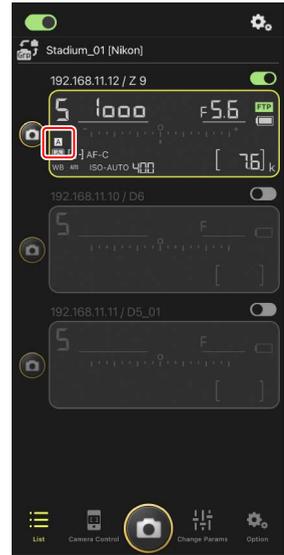
- Z9 and Z8 cameras: Select [**Extended menu banks**] in the photo shooting menu and choose [**ON**].
- D6 and D5 cameras: Select [**Extended photo menu banks**] in the photo shooting menu and choose [**On**].

2. Go to (options) in the NX Field app and select [**Yes**] for [**Enable the shooting menu bank**].



3. Connect to the remote camera from the NX Field app.

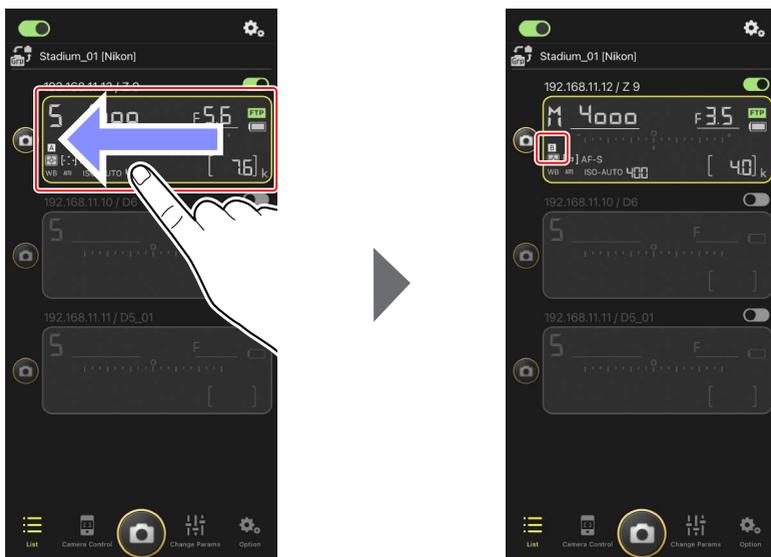
The remote camera info will now include a shooting menu bank icon (“A”–“D”).



4. Swipe the remote camera info left or right.

The selected shooting menu bank will change.

- It will take about a second for settings to be updated after you stop swiping.
- Shooting menu bank selection is also supported during still photography live view (Z9 and Z8 only).



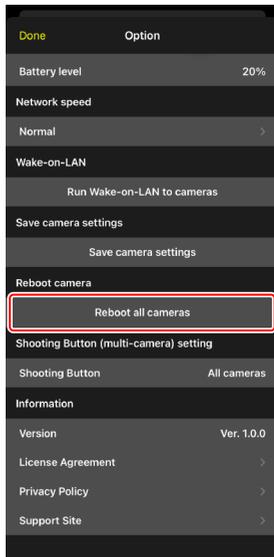
Loading Shooting Menu Settings

- NX Field will require additional time to load all the shooting menu settings from banks "A" through "D" when connecting to remote cameras with **[Yes]** selected for **[Enable the shooting menu bank]**.
- Shooting menu settings cannot be loaded by selecting **[Yes]** for **[Enable the shooting menu bank]** after a connection has been established to the remote camera via the NX Field app. End the connection to the remote camera and then reconnect.

Rebooting All Connected Remote Cameras

Go to  (options), open [Option], tap [Reboot all cameras] to display the confirmation dialog, then tap [OK] to reboot all connected remote cameras.

- The rebooted remote cameras will be automatically reconnected to the NX Field app.



Supported Cameras

This feature is available with:

- Z9 cameras ("C" firmware version 5.10 or later)

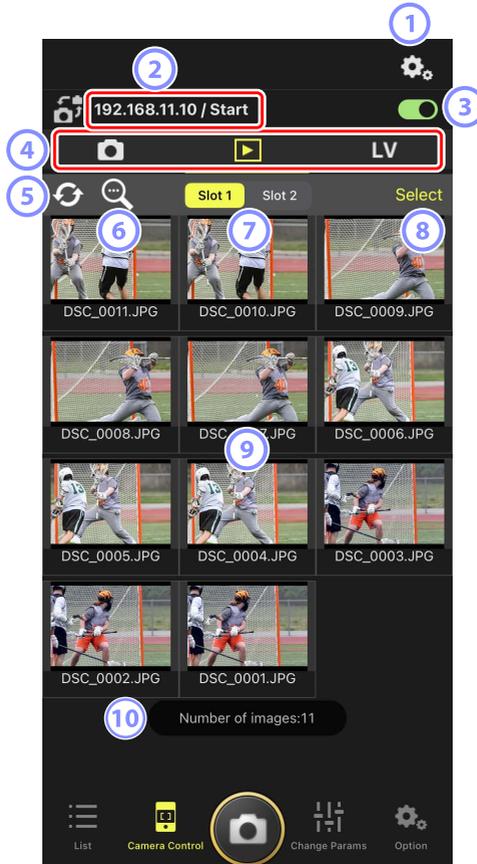
Using NX Field for an Extended Period

When using NX Field for an extended period, reboot the remote cameras during intermissions or at other convenient times to reduce the risk of unexpected errors and loss of communications.

Viewing Pictures with the NX Field App

Viewing Pictures

To view a thumbnail list of the pictures on the memory cards in the selected remote camera, tap  (playback tab) in the camera control display.



① **Camera Control Options**

Adjust settings for the playback display (📖 138).

② **IP Address/Name** (📖 49)

The IP address and name.

③ **Connection Switch**

Enable or disable the connection to the source camera.

④ **Camera, Playback, and LV Tabs**

Choose the tab to be displayed.

⑤ **Refresh**

Refresh the thumbnail display.

⑥ **Find**

Filter pictures by protection status or date of recording.

⑦ **Slot Selection**

Choose the slot containing the memory card from which pictures will be played back.

⑧ **[Select]**

Tap to enable picture selection.

9 Thumbnails

Thumbnail images showing the pictures on the memory card in the selected slot. Tapping a thumbnail displays the selected picture in single-frame view (📖 138).

- The app displays only the JPEG or HEIF copies of pictures recorded in RAW + JPEG or RAW + HEIF mode. "RAW" icons appear on the thumbnails.
- Pictures that have been uploaded to the FTP server are indicated by  icons, while those that are awaiting upload are indicated by  icons.
- Only the first shot in each series of burst photography (a burst) will appear as a thumbnail (Z9 "C" firmware version 5.00 or later only). A  icon is displayed on the thumbnail. Tap the thumbnail image to display all the pictures in the burst as thumbnails.
 - Tap the first picture in the burst to exit to the previous screen.
 - How the series of shots taken in burst photography are displayed can be changed using the playback display options (📖 142).

10 Number of Pictures

The total number of pictures saved on the memory card in the selected slot displayed in the thumbnail list. A burst is counted as one picture.

■ Display a Picture in Single-Frame View

Display the selected picture in single-frame view by tapping its thumbnail in the playback display. You can share and save the current picture, send it via FTP, or add a voice memo.



① **[AF]**

Tap this icon to view the focus point used when the picture was taken. This is not available when a HEIF or RAW picture recorded with HLG selected for tone mode is displayed in single-frame view.

② **[Info.]**

Tap this icon to view the date and time of recording, shutter speed, and other shooting information. This is not available when a HEIF or RAW picture recorded with HLG selected for tone mode is displayed in single-frame view.

③ **The View Area**

Displays the selected picture in full frame.

④ **Share**

Tap this icon to share the current picture with others via e-mail, messaging, etc. You can also download it to your iPhone camera roll.

⑤ **FTP**

Tap this icon to upload the current picture to the FTP server.

⑥ **Microphone (Z9 "C" firmware version 5.00 or later only)**

Tap  (microphone) to display a dialog to record a voice memo (🗨️ 140).

⑦ **Delete**

Delete the current picture from the remote camera.

Add a Voice Memo to a Picture (Z9“C” Firmware Version 5.00 or Later Only)

Selecting a picture in the playback display to display in single-frame view will show  (microphone) to record a voice memo. You can record a voice memo with your iPhone's microphone and add it to the current picture.

- A voice memo cannot be added to a protected picture.

1. Tap a picture in the thumbnail list.

The selected picture is displayed in single-frame view.



2. Tap  (microphone) in single-frame view.

Tap **[Start]** in the confirmation dialog to start recording.

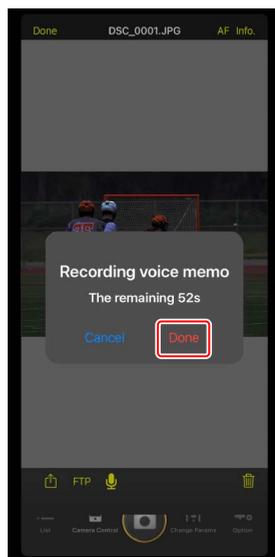
- Up to 60 seconds of a voice memo can be recorded.



3. Tap **[Done]**.

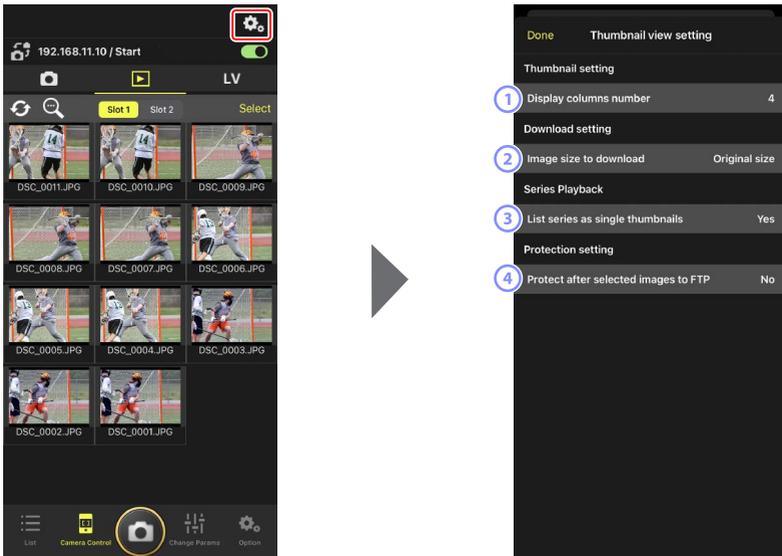
The voice memo is saved to the camera memory card.

- The voice memo is saved in the same folder and has the same file name as the current picture.



■ Adjusting Playback Display Settings

Playback options can be adjusted by tapping  (camera control options button) in the playback display.



① [Display Columns Number]

Choose the number of thumbnails (1 to 6) displayed in each row.

② [Image Size to Download]

Choose the size at which pictures will be downloaded to the iPhone.

③ [List Series as Single Thumbnails]

Configure how the series of shots taken in burst photography are displayed.

④ [Protect After Selected Images to FTP]

Automatically protects pictures in the camera memory card that are selected for upload via FTP in the thumbnail list.

Sharing and Downloading Pictures with an iPhone

Pictures selected in the thumbnail list can be shared with others via e-mail or the like or downloaded from the remote camera to the iPhone.

1. Tap **Select** in the thumbnail display.



2. Select pictures to share.

- Choose a single burst image to select all the pictures in the burst.



3. Tap  (share button).

The selected pictures can be shared with others via e-mail, messaging, or the like. They can also be downloaded to the iPhone's camera roll.



Uploading Selected Pictures via FTP

Pictures selected in the thumbnail list can be uploaded from the remote camera via FTP.

1. Tap **Select** in the thumbnail display.



2. Select pictures for upload to the FTP server.

- Choose a single burst image to select all the pictures in the burst.



3. Tap **FTP** (FTP button).

A confirmation dialog will be displayed; tap **[OK]** to upload the selected pictures to the FTP server.



Upload Status

Pictures are marked with  after upload and with  while awaiting upload. You can change remote camera settings, take pictures, and use live view while upload is in progress.

- If a voice memo is added to the picture with an upload status of , the picture will be uploaded without the associated voice memo according to the queue and the same picture with the voice memo will be added to the end of the waiting queue (📖 140).

Transfer Marking for Pictures After Upload

The camera displays upload marking for the most recent uploads only; the number of pictures for which upload marking is displayed varies with the camera:

- Z9, Z8, Z6III, and D6 cameras: 5000 (10,000 when two memory cards are inserted)
- D5 cameras: 1000

FTP Upload Options

For information on changing FTP settings, see [Viewing and Adjusting FTP Settings in the NX Field App](#) (📖 150).

Identifying Pictures Uploaded to FTP on Cameras and Computers

Tapping  (camera control options button) in the playback display and setting **[Protect after selected images to FTP]** to **[Yes]** automatically protects pictures on the camera memory card when they are selected in the thumbnail list for FTP upload. Protection status can be viewed on the camera and on computer software such as NX Studio.

Deleting Selected Pictures

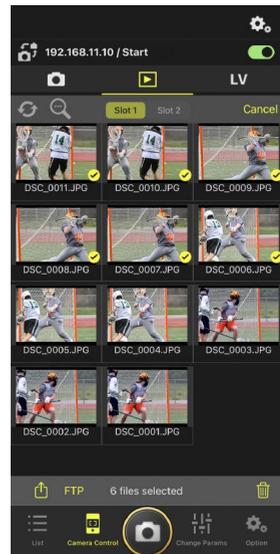
Pictures selected in the thumbnail list can be deleted from the remote camera.

1. Tap **[Select]** in the thumbnail display.



2. Select pictures for deletion.

- Choose a single burst image to select all the pictures in the burst.



3. Tap  (delete button).

A confirmation dialog will be displayed; tap [OK] to delete the selected pictures from the remote camera.



During Deletion

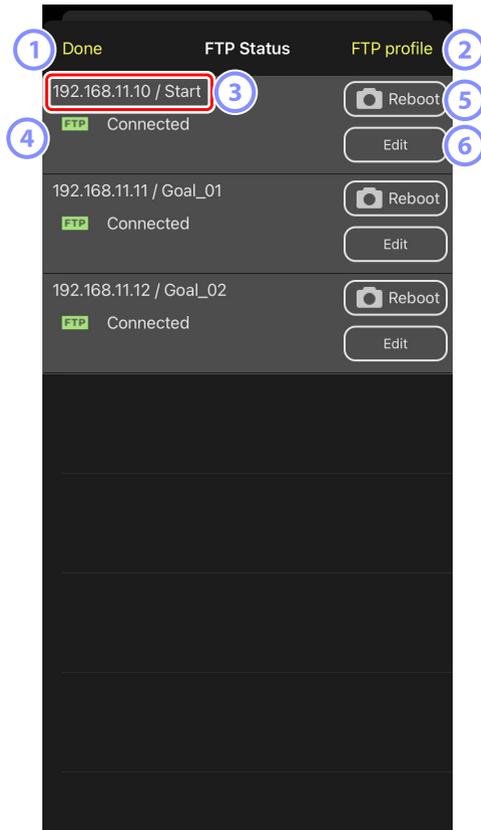
A round blue indicator is displayed during deletion. The NX Field app cannot be used while deletion is in progress.

Deleting Dual-Format Pictures

- Deleting the JPEG or HEIF copy of pictures recorded with [**Overflow**] selected in NEF (RAW) + JPEG or NEF (RAW) + HEIF mode also deletes the NEF (RAW) copy.
- If [**Backup**] was selected, only the pictures on the memory card in the current slot will be deleted. Deleting the JPEG or HEIF copy of NEF (RAW) + JPEG or NEF (RAW) + HEIF pictures also deletes the NEF (RAW) copy.
- If a dual-format option was selected, only the pictures on the memory card in the current slot will be deleted.

Viewing and Adjusting FTP Settings in the NX Field App

The NX Field app can be used to view and adjust the FTP settings for the cameras in the remote camera list. Go to  (options) > **[FTP Status]** to view FTP status.



① **[Done]**

Save any changes and exit the FTP settings display.

② **[FTP Profile]**

View existing FTP profiles ( 158) and your FTP connection history ( 154).

③ IP Address/Remote Camera Name

The IP address and name of the remote camera.

④ Connection Status

The status of the connection between the remote camera and the FTP server.

- The  (FTP) icon in the remote camera info area will be displayed in red if an FTP error occurs.

⑤ Reboot

Reboots the remote camera's network connection.

Rebooting Connections

- Re-establishing the remote camera's network connection after a reboot takes about 30 seconds.
- Tap [**Reboot**] to recover from a server malfunction or disconnected Ethernet cable if the remote camera shows an error even after the FTP server has been restored.

⑥ Edit

Directly edit remote camera FTP profiles ( 152) or choose profiles from a list ( 158).

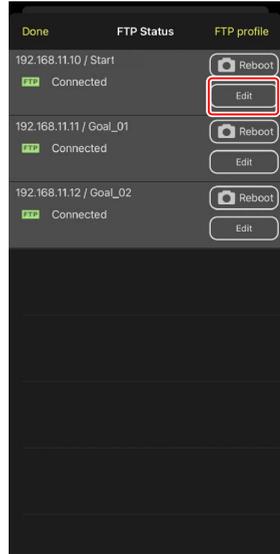
FTP Server Down

If the FTP server goes down while upload is in progress, the connection between the NX Field app and the remote cameras may become erratic and subsequently be lost. To reconnect, wait a few minutes before restoring the connection switch to the  (on) position.

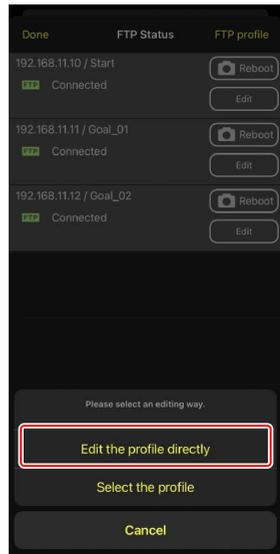
Editing Remote Camera FTP Profiles Directly

Edit the current FTP profile to choose a different destination. You may need to do this when, for example, the FTP server is temporarily down.

1. Tap  (edit button) for the desired remote camera in the FTP status display.
 - This option is available only with cameras listed as **[Connected]**.



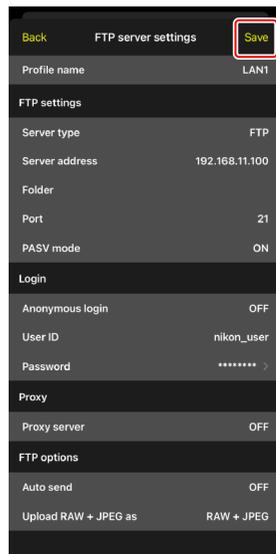
2. Tap **[Edit the profile directly]**.



3. Edit the IP address, port number, and other FTP profile settings and tap **[Save]**.

The remote camera will reboot the connection as it updates the FTP profile.

- If the connection is a success, **[Connected]** will appear in the FTP status display.



Selecting the Type of Pictures to Be Uploaded to FTP (Z9, Z8 (“C” Firmware Version 2.10 or Later), and Z6III Cameras Only)

After selecting **[ON]** for **[FTP options]** > **[Auto send]**, you can select the type of pictures for FTP upload for the following upload settings:

- **[Upload RAW + JPEG as]** (Z9)
- **[Upload RAW + JPEG as (Overflow/backup)]** (Z8, Z6III)
- **[Upload RAW + JPEG as (RAW primary - JPEG secondary)]** (Z8, Z6III)
- **[Upload RAW + HEIF as (Overflow/backup)]** (Z8, Z6III)
- **[Upload RAW + HEIF as (RAW primary - HEIF secondary)]** (Z8, Z6III)

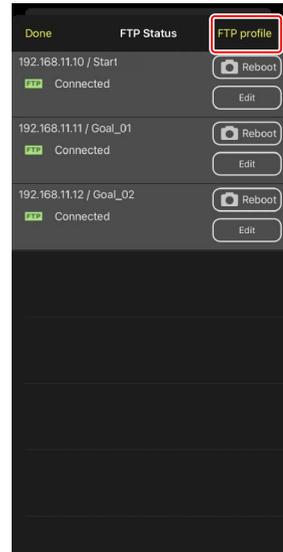
Adding FTP Profiles

You can add profiles from the connection history or enter new profiles directly and add them to the list. The FTP profiles in the list can be used to choose the destination for pictures uploaded from remote cameras.

■ Adding Profiles from the Connection History

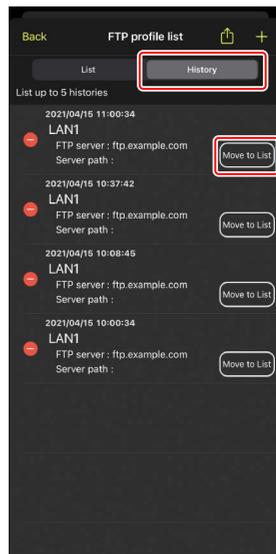
Select profiles in the connection history and add them to the list.

1. Tap **[FTP profile]** in the FTP status display.



2. Tap [**History**] and then tap **Move to List** (move to list button) for the desired FTP profile in the connection history.

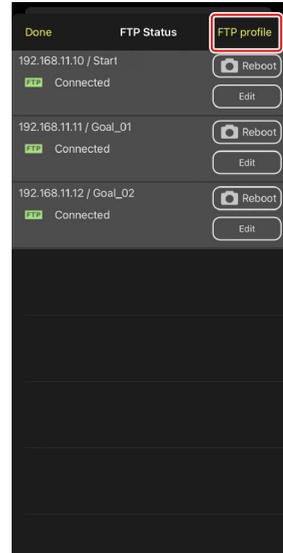
The selected FTP profile will be added to the list and can be used for subsequent connections.



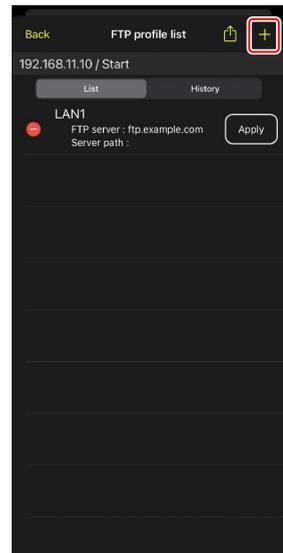
■ Entering FTP Profiles Directly

Enter an FTP server profile and add it to the FTP profile list.

1. Tap **[FTP profile]** in the FTP status display.

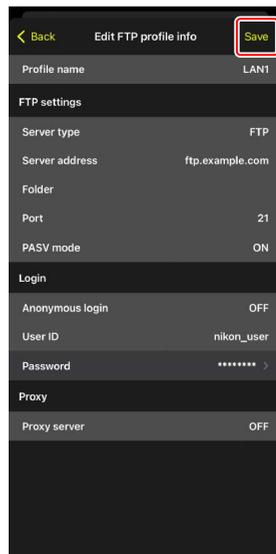


2. Tap .



3. Enter the desired settings and tap **[Save]**.

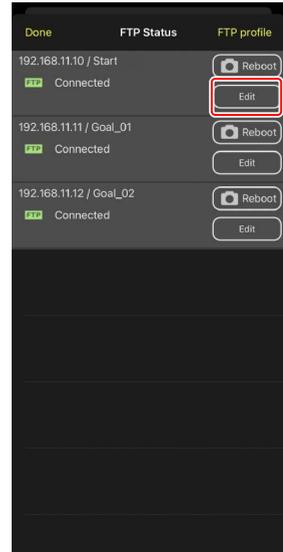
The new FTP profile will be added to the list and can be used for subsequent connections.



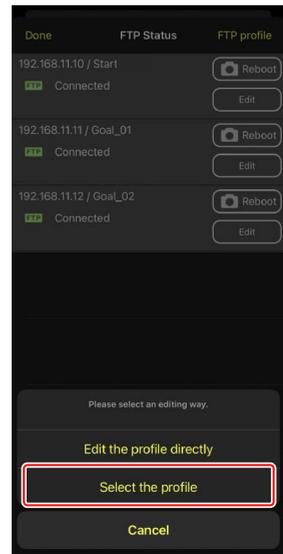
■ Selecting Destinations from the FTP Profile List

The FTP profiles in the list can be used to choose the destination for pictures uploaded from remote cameras.

1. Tap  (edit button) for the desired remote camera in the FTP status display.



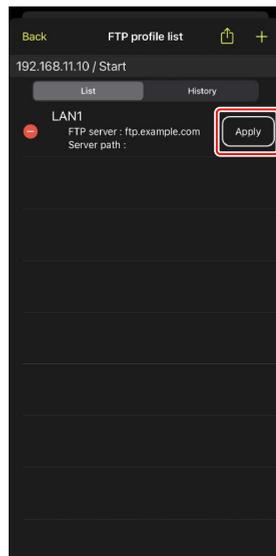
2. Tap [**Select the profile**].



3. Tap  (apply button) for the desired FTP profile.

The remote camera will reboot the connection as it updates the FTP profile.

- If the connection is a success, **[Connected]** will appear in the FTP status display.



☑ Caution: Choosing FTP Profiles

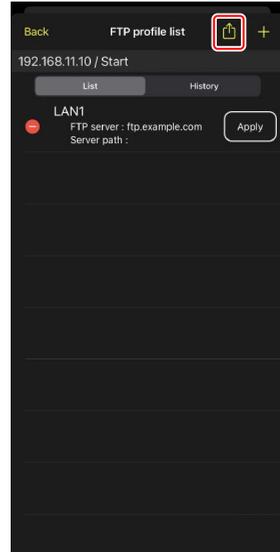
FTP profiles containing settings for FTPS or other features available only with specific cameras or camera firmware can be selected only if the features are supported by the camera in question.

Copying Remote Camera FTP Profiles to Other iPhones or iPads

Remote camera FTP profiles can be copied to the NX Field apps on other iPhones or iPads.

In the FTP profile list, tap  (share button) and select a sharing method and destination.

Tap **[OK]** in the confirmation dialogs displayed on the source and destination devices to copy the FTP profile to the NX Field app on the destination device.

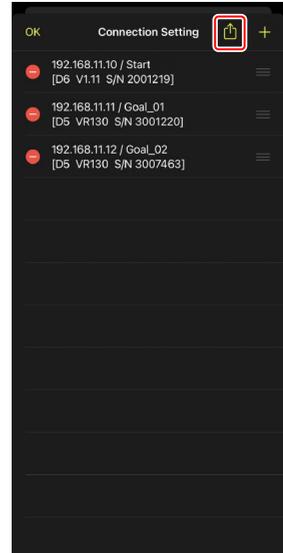


Copying Connection Settings for All Remote Cameras to Other iPhones or iPads

The IP addresses and camera names for remote cameras with display names saved in the NX Field app (📖 49) can be copied to the NX Field apps on other iPhones or iPads.

Go to  (options) > [**Camera Connection**], tap  (share button), and then select a sharing method and destination.

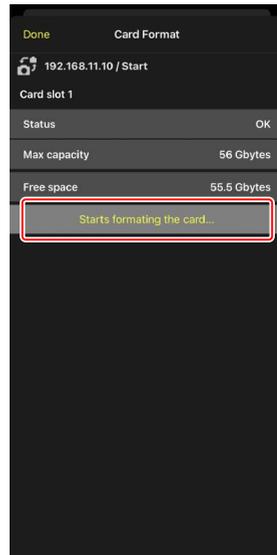
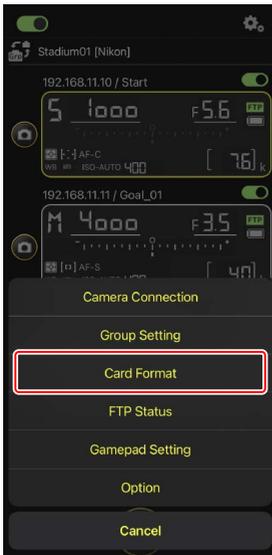
Tap [**OK**] in the confirmation dialogs displayed on the source and destination devices to copy the IP addresses and camera names for all remote cameras with the current display name on the source device to the NX Field app on the destination device.



Formatting Remote Camera Memory Cards with the NX Field App

To format memory cards inserted in remote cameras, go to  (options) and select **[Card Format]**.

Highlight the slot containing the memory card and tap **[Starts formatting the card...]**. A confirmation dialog will be displayed; tap **[OK]** to format the memory card.



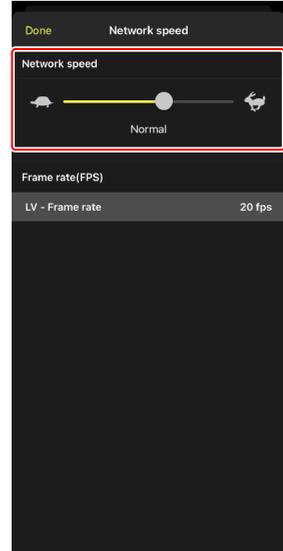
Upload Speed and Frame Rate

Lowering the upload speed and live view frame rate can help make NX Field more responsive when the network is slow.

Choosing an Upload Speed

Upload speed can be adjusted by going to  (options), selecting [**Option**] > [**Network speed**], and using the slider.

- Tap [**Done**] to save changes.



Choosing a Frame Rate for Live View

To choose a frame rate for the live view display, go to  (options), select [Option] > [Network speed], and tap [LV - Frame rate].

- Choose from values of from 1 through 30 fps. Choosing slow frame rates when the app is sluggish can help make it more responsive.
- Tap [Done] to save changes.



Live View Options

Frame rate can also be adjusted from the live view options dialog (📖 102).

Using Wake-on-LAN to Activate the Standby Timers on Remote Cameras (D6 Only)

The D6 supports the NX Field app's Wake-on-LAN (WOL) feature, used to activate the standby timers on remote cameras. To use WOL, you will need to supply the NX Field app with the remote camera's MAC address.

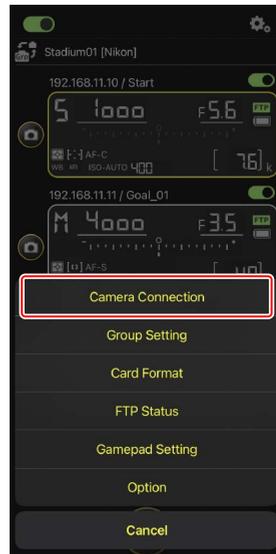
Camera Connection

End the connection to the remote camera before making changes to **[Camera Connection]**.

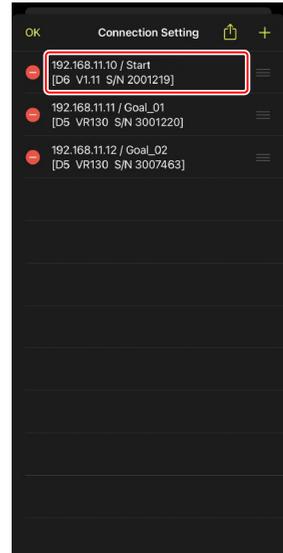
Entering MAC Addresses for Remote Cameras

Entering the remote camera's MAC address enables WOL.

1. Tap  (options button) and select **[Camera Connection]**.

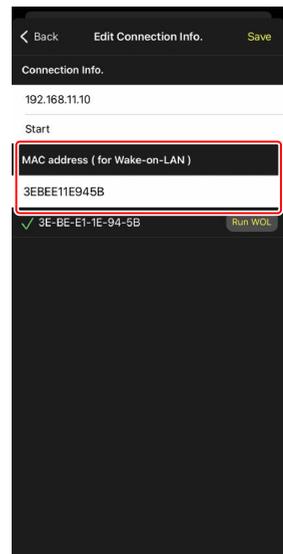


2. Tap the connection information for a remote D6 camera to be configured for use with WOL.



3. Enter an MAC address and tap **[Save]**.

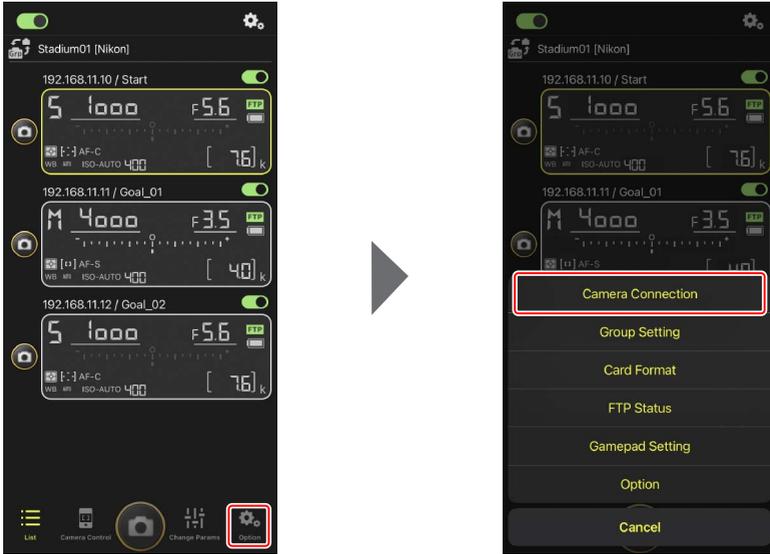
The remote camera's MAC address can be viewed by selecting **[Wired LAN/WT]** > **[Options]** > **[MAC address]** in the camera setup menu. You do not need enter the hyphens.



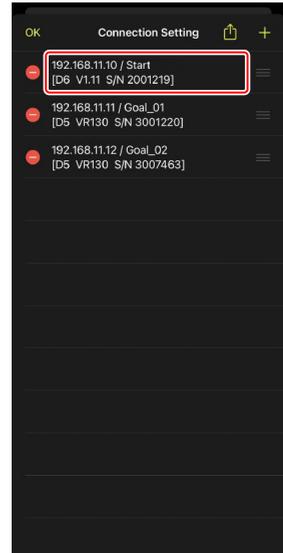
Using WOL to Activate the Standby Timers on Remote Cameras

Run WOL to activate the standby timers on remote cameras.

1. Tap  (options button) and select **[Camera Connection]**.

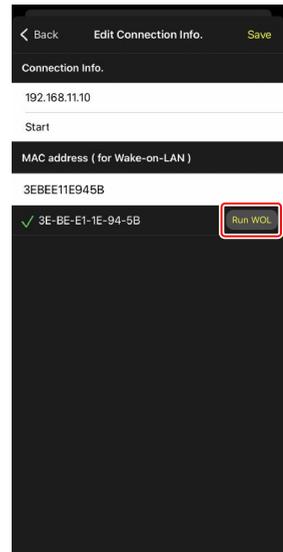


2. Tap the connection information for a remote D6 camera to be configured for use with WOL.



3. Tap **Run WOL** (run WOL button).

A confirmation dialog will be displayed; tap **[OK]** to activate the standby timer on the remote camera.



☑ **Cautions: Using WOL**

- Consult the network administrator for information on WOL support.
- Given that it takes about 30 seconds to re-establish the network connection after the standby timer restarts, we recommend selecting settings of 10 or 30 minutes for [**Standby timer**] in the camera menus.
- Be sure the remote camera is on.

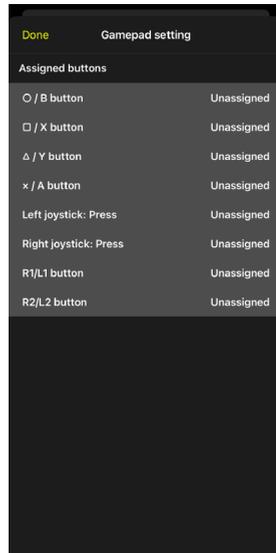
📝 **Using WOL to Start the Standby Timer**

WOL can only be used to start the standby timer if both the remote camera and the iPhone or iPad are on the same network. WOL may not function if the devices are on different networks connected via a router.

Operate Remote Cameras Connected to an iPhone via a Gamepad

To use a gamepad to release shutters on remote cameras connected to an iPhone, go to  (options) and select [**Gamepad Setting**].

- The following functions can be assigned to buttons on the gamepad:
 - [**Shooting all cameras**]: Release the shutters on all connected remote cameras.
 - [**Shooting selected camera**]: Release the shutter on a connected remote camera selected from the list.
- For instructions on how to connect the gamepad to the iPhone, refer to the documentation provided with the gamepad.



Other Options

To access such settings as connection time-outs and notification levels, go to  (options) and select **[Option]**.



Item	Sub-item	Description
Misc settings	Sets date & time by local time	Choose whether to synchronize the clocks on the remote cameras with the iPhone.
	Connection timeout	Choose how long the app will continue to attempt connection when there is no response from the remote camera. An error will occur if a connection cannot be made in the time selected.
	Enable the shooting menu bank (📖 131)	Choose whether to enable shooting menu bank selection.

Item	Sub-item	Description
Warning notification	Enable notification	Choose whether notifications are displayed.
	Number of exposures remaining	A warning will be displayed if the space remaining on the memory card in the remote camera falls below this limit.
	Battery level	A warning will be displayed if the battery in the remote camera falls below this limit. If "1%" is selected, the connection to the remote camera may be lost before the warning can be displayed.
Network speed	Network speed	Choose an upload speed.
	Frame rate (FPS) (📖 164)	Choose a frame rate for the live view display.
Wake-on-LAN (D6 only)	Run Wake-on-LAN to cameras (📖 165)	Choose whether to run WOL.
Save camera settings	—	Save current settings to the camera.
Reboot camera	Reboot all cameras (📖 134)	Reboot all connected remote cameras.
Information	Version	View version information.
	License information	View license information.
	Privacy policy	View the privacy policy.
	Support	Open your web browser to the customer support website.

Remotely Taking and Selecting Pictures for Upload with an iPad

iPads running the NX Field app can be used to release the shutters, record video, or adjust settings on remote cameras and select pictures for upload via FTP.

Uploading Pictures via FTP

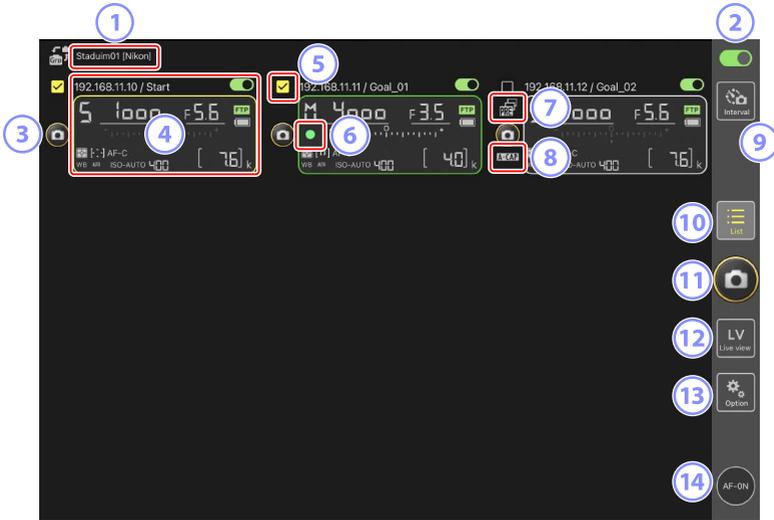
The pictures uploaded to FTP servers using the NX Field app are not the copies stored on the iPad but the original pictures stored on the camera memory card.

The iPad “Split View” Feature

The NX Field app supports the iPad “Split View” feature.

NX Field App Displays

The NX Field app launches in list view. The controls are described below.



① Display Name and [Group Name] (📖 60)

The display name and group name. Tap to switch display names.

② Connection Switch (📖 67)

Enable or disable the connection to the remote cameras listed under the current display name.

③ Shutter-Release Button (on one camera)

Releases the shutter on the selected remote camera.

4 Remote Camera Info (📖 177)

A series of displays mirroring the information in the cameras' top control panels, including shutter speed and aperture. Cameras can be controlled individually using shutter-release button to the left and the connection switch at the top right corner of each display. Touch and hold the remote camera info area to display sub-menus for camera controls and settings.

5 Checkbox

Displayed when going to  (options) and selecting [**Group Release**] for [**Option**] > [**Shooting Button (multi-camera) setting**]. Tapping "Shutter-Release Button (on multiple cameras)" releases the shutters on all checked remote cameras (📖 239).

6 Memory Card Access Icon

Lights while data are being recorded to the memory card in the remote camera.

7 Pre-Release Capture Icon (📖 208)

Displayed while performing Pre-Release Capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

8 A-CAP Icon (📖 245)

Displayed while performing auto capture from the NX Field app (Z9 "C" firmware version 5.00 or later only).

9 Interval-Timer Photography (📖 233)

Display interval-timer options.

10 List (📖 181)

Opens the list display.

11 Shutter-Release Button (on multiple cameras)

Releases the shutters on all cameras in the remote camera list with connection switches currently in the  (on) position. You can also release the shutter on only selected remote cameras (📖 239).

12 **Live View**

Opens live view. Choose from tile (📖 189), main/secondary (📖 190), and “skin” (📖 191) views and take photographs or adjust camera settings.

13 **Options** (📖 187)

Opens the options display.

14 **AF-ON Button**

The camera's focus while the button is held. Touch and hold the button when Pre-Release Capture is enabled to perform Pre-Release Capture buffering. The behavior of the button can be changed by tapping  (options) and selecting [Option] > [AF-On button setting] (📖 320).

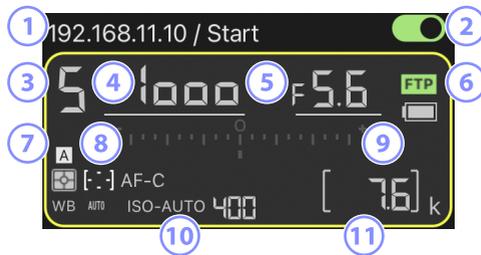
Remote Camera Info

View the same information as is shown in the remote camera's top control panel, including shutter speed and aperture.

Remote Camera Info in the Remote Camera List

The remote camera info displayed in the remote camera list includes such details as the type of metering selected and the number of exposures remaining. Touching and holding remote camera info displays sub-menus that can (among other things) be used to control the camera or adjust settings (📖 179).

- If **[Enable the shooting menu bank]** is enabled, you can switch between shooting menu banks by swiping remote camera info left or right (📖 276).



- ① IP address/name
- ② Connection switch (on one camera)
- ③ Shooting mode
- ④ Shutter speed
- ⑤ Aperture
- ⑥ FTP connection status/battery level
- ⑦ Metering/AF-area mode/focus mode/white balance
- ⑧ Shooting menu bank ("A" through "D")
- ⑨ Exposure indicator
- ⑩ Auto ISO sensitivity indicator/ISO sensitivity
- ⑪ Number of exposures remaining

■ Remote Camera Info in the Live View Display

Limited information on camera settings appears under the live view display for each remote camera.

- If photo mode is selected in live view and **[Enable the shooting menu bank]** is enabled, you can switch between shooting menu banks by swiping remote camera info left or right (Z9 and Z8 only;  276).



- ① Shooting menu bank (“A” through “D”)
- ② Shooting mode
- ③ Shutter speed
- ④ Aperture
- ⑤ Auto ISO sensitivity indicator/ISO sensitivity

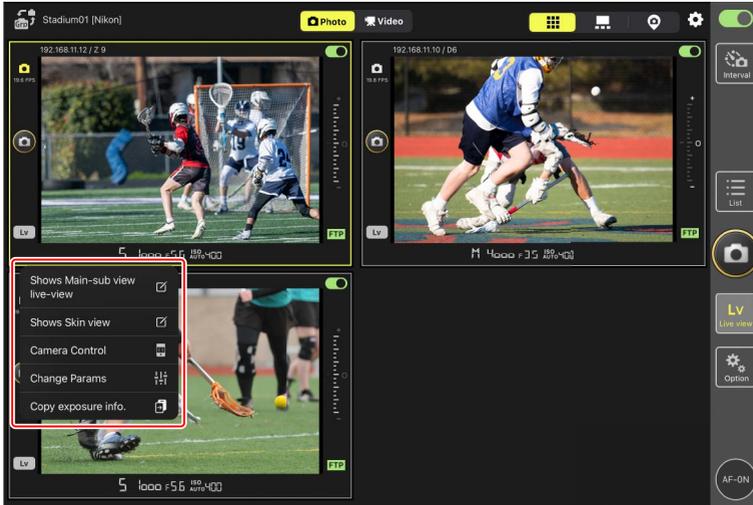
■ The View/Settings Sub-menu

Touching and holding remote camera info in list view displays the options below. Tap options to switch to the desired view.



Option	Description	
[Shows Tiled view live-view]	Switch to tiled live view.	📖 189
[Shows Main-sub view live-view]	Switch to main/secondary live view with the selected remote camera serving as the main camera.	📖 190
[Shows Skin view]	Switch to “skin” view.	📖 191
[Camera Control]	Display controls for the selected camera.	📖 182
[Change Params]	Display settings for the selected camera.	📖 185
[Copy exposure info.]	View a list of the remote cameras to which exposure settings can be copied. The list can also be displayed by touching and holding remote camera info in the camera control or camera settings display.	📖 265

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary live view.



- In “skin” live view, a sub-menu can be displayed by touching and holding the camera icon.
- The only item displayed when you touch and hold remote camera info in the camera control or camera settings display is [**Copy exposure info.**].

The List Display

View information for the cameras in the remote camera list.

- The shutters on all cameras with connection switches currently in the  (on) position can be released simultaneously ( 193). You can also release the shutter on only selected remote cameras ( 239).
- Shutters for selected cameras can also be released individually ( 197).
- If you have created multiple display names, you can switch between them by tapping  (display button).



The Camera Control Display

Camera controls can be displayed by touching and holding the info or (in tiled or main/secondary view) live view for the desired camera and selecting **[Camera Control]** from the view/settings sub-menu.

- You can adjust focus during shooting using the controls in  (camera tab) (D6/D5 only; [☞ 198](#)).
 - Select  (camera tab) and tap  (A-CAP button) to perform auto capture operations (Z9“C” firmware version 5.00 or later only; [☞ 245](#))
- Select  (playback tab) to view pictures taken with the remote camera. You can also delete pictures or upload them to an FTP server ([☞ 280](#)). It cannot, however, be used when the live view  **Video** (video tab) is selected.
- Select  (LV tab) to take pictures while viewing a live image from the remote camera ([☞ 203](#)).



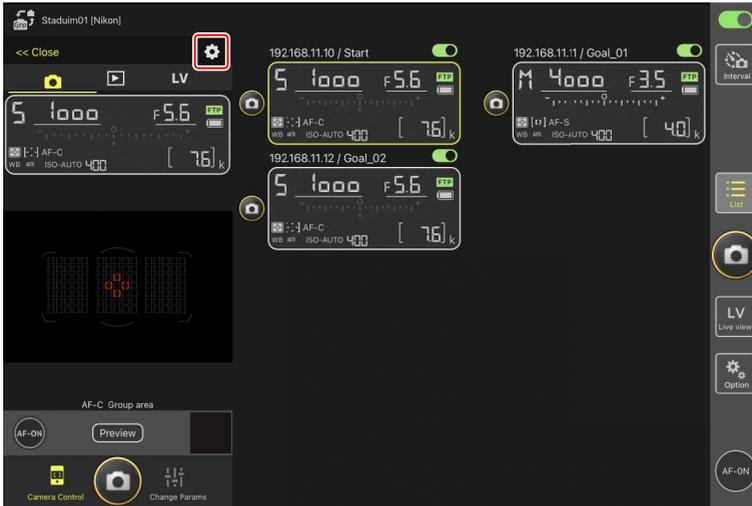
Changing Camera Settings in the Remote Camera Info Display

Changes to settings can be made by tapping the following items in the remote camera info panes in the camera control display:

- Shooting mode
- Shutter speed
- Aperture
- Metering
- AF-area mode
- Focus mode
- White balance
- Exposure compensation
- ISO-AUTO (auto ISO sensitivity control)
- ISO sensitivity

■ Camera Control Options

To display camera control settings for the current tab, tap  (camera control options button) in the camera control display.

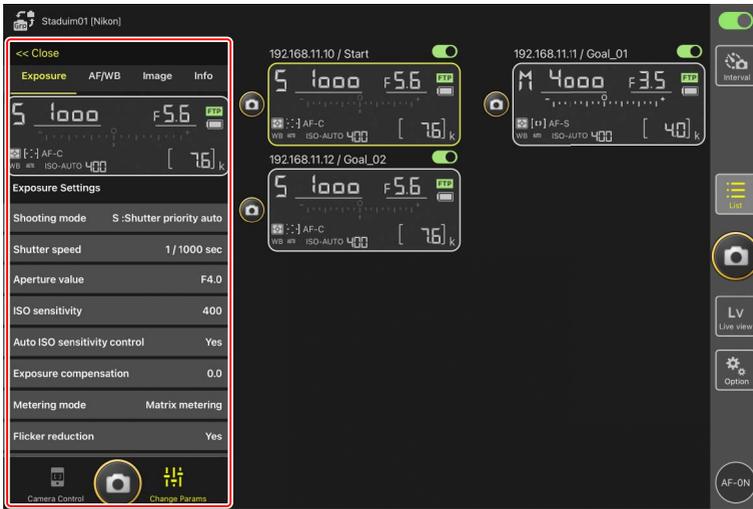


	Tab	Description	
	Camera	Adjust focus-related settings.*	 260
	Playback	Adjust settings for the playback display.*	 283
	LV	Adjust settings for live view.*	 210

* The options available vary with the camera.

The “Change Parameters” Display

Camera settings can be displayed by touching and holding the info or (in tiled or main/secondary view) live view for the desired remote camera and selecting [Change Params] from the view/settings sub-menu. The display can be used to adjust remote camera photo and video settings, including exposure, autofocus, and image quality (☐ 263, 268).



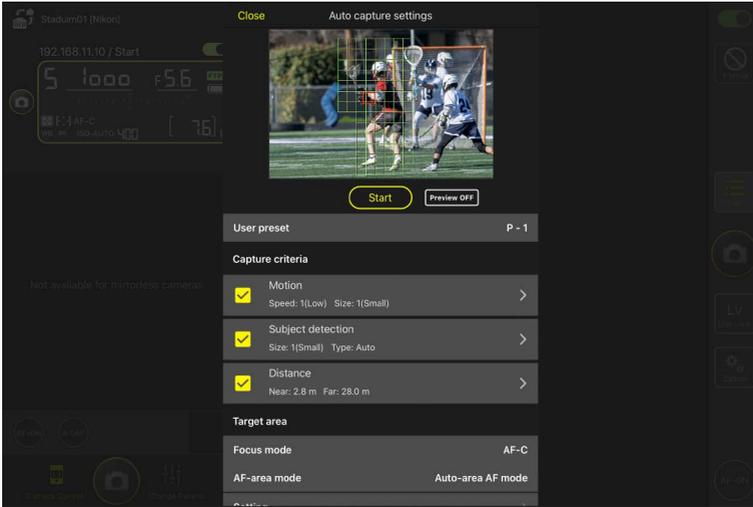
Changing Camera Settings in the Remote Camera Info Display

Changes to settings can be made by tapping the following items in the remote camera info panes in the “change parameters” display:

- Shooting mode
- Shutter speed
- Aperture
- Metering
- AF-area mode
- Focus mode
- White balance
- Exposure compensation
- ISO-AUTO (auto ISO sensitivity control)
- ISO sensitivity

The Auto Capture Settings Display (Z9 “C” Firmware Version 5.00 or Later Only)

Select  (camera tab) in the camera control display and tap  (A-CAP button) to show the auto capture settings display. You can configure auto capture settings, view a preview, load user presets, and start or suspend auto capture (📖 245).



The Options Display

Used for such tasks as adjusting remote camera network, group, and FTP profile settings or formatting memory cards (📖 320).



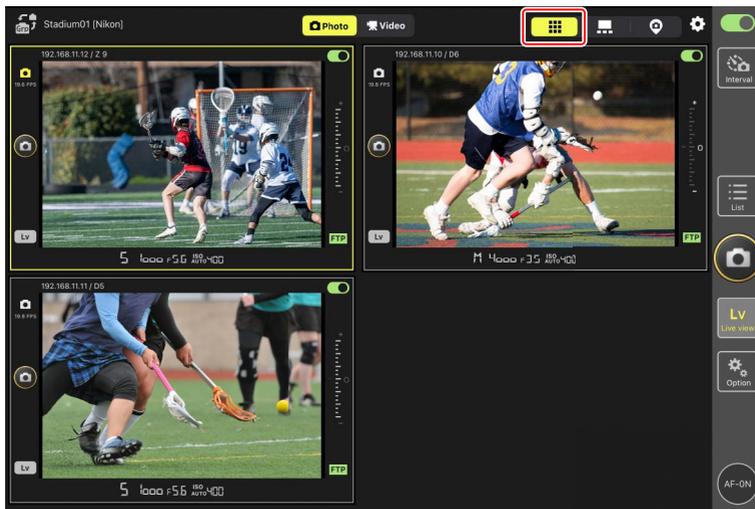
Live View

Tap  (live view button) for simultaneous live views through the lenses of multiple remote cameras. You can choose from tiled, main/secondary, and “skin” views. You can also switch views by touching and holding remote camera info and selecting the desired option in the view/settings sub-menu ( 179).

Tiled View

The tiled view is divided into equal-sized live view displays, one for each of the remote cameras. This display can be used for autofocus, taking photographs, and recording videos.

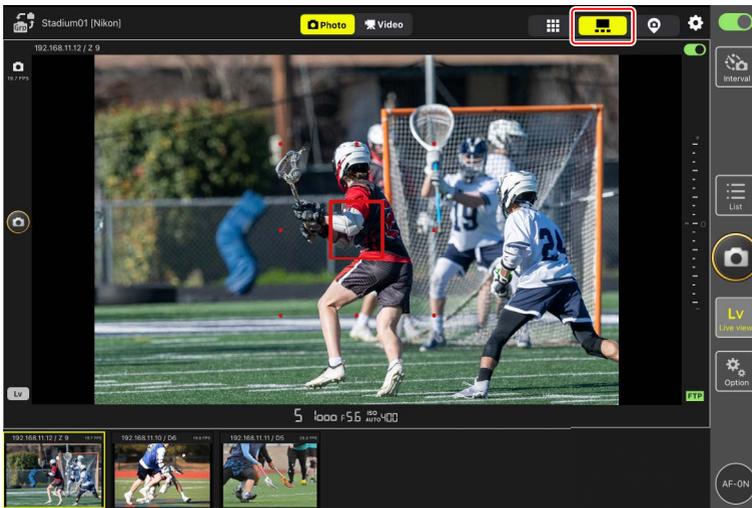
- To switch to tiled view, touch and hold the info for a remote camera and select **[Shows Tiled view live-view]** from the view/settings sub-menu, or select  (tiled view tab) above and toward the right edge of the multi-camera live view display.
- Up to nine cameras can be displayed in tiled view at any one time.
- For more information, see the sections on taking photographs ( 211) and recording videos ( 222) in tiled view.



■ Main/Secondary View

The view from one camera is shown at a large size, with the views from the remaining cameras shown at smaller sizes. This display can be used for autofocus, taking photographs, and recording videos.

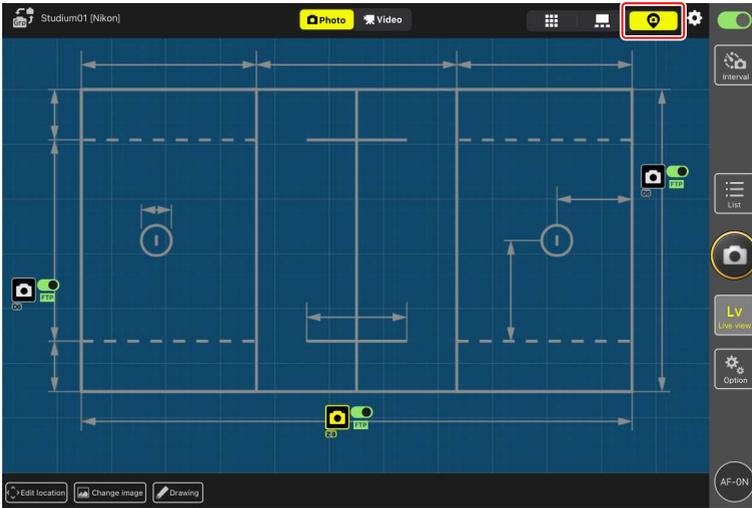
- To switch to main/secondary view, touch and hold the info for a remote camera and select **[Shows Main-sub view live-view]** from the view/settings sub-menu, or select  (main/secondary view tab) above and toward the right edge of the multi-camera live view display.
- Tapping a secondary view displays it in main view and relegates the camera currently in main view to a secondary view.
- For more information, see the sections on taking photographs (📖 213) and recording videos (📖 224) in main/secondary view.



■ “Skin” View

This view uses pictures stored on the iPad as “skins”. One way in which this feature can be used is to provide a map showing the locations of the remote cameras.

- To switch to “skin” view, touch and hold the info for a remote camera and select **[Shows Skin view]** from the view/settings sub-menu, or select  (“skin” view tab) above and toward the right edge of the multi-camera live view display.
- For more information, see [“Skin” View Settings](#) (📖 226).



Taking Pictures with the NX Field App

In the NX Field app, remote camera shutters can be released from either the list display or live view. Videos can be recorded during live view in the tile or main/secondary displays (📖 220).

Taking Photographs in the List Display

☑ **Caution: Taking Pictures in the List Display**

The live image stream and shutter-release button response may lag if you switch to live view immediately after taking a burst of pictures in the list display.

(AF-ON) Options

To choose how  (AF-ON button) behaves, go to  (options) and select **[Option] > [AF-On button setting]**.

- **[Push type]:** The camera focuses while  (AF-ON button) is held.
- **[Toggle type]:** Focus starts when you tap  (AF-ON button) and continues until you tap the button a second time.

■ Taking Pictures with Multiple Remote Cameras

Tapping  (shutter-release button) to the right of the list display releases the shutters on all remote cameras with connection switches currently in the  (on) position.

- To focus all remote cameras using autofocus, touch and hold  (AF-ON button).
- The remote camera info for the camera in question is highlighted in green while photography is in progress.
- The memory card access ( 175) icon will light while pictures are being recorded to the memory card.
- The  (FTP) icon will flash while pictures are being uploaded to an FTP server.
- You can also release the shutter on only selected remote cameras ( 239).



Disabling the Release on Selected Cameras

The releases for selected cameras can be disabled by tapping  (connection switch) above and toward the right edge of each camera's remote camera info.

Selecting the Cameras to Release

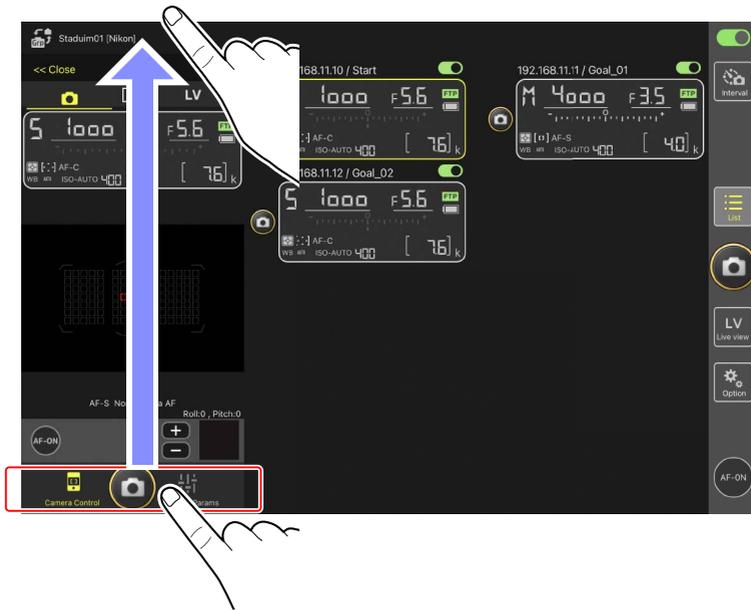
You can select the types of remote cameras to release when tapping  (shutter-release button), going to  (options) and selecting **[Option]** > **[Shooting Button (multi-camera) setting]**.

- **[Shooting Button (multi-camera) setting]** only applies to remote cameras assigned the same display name that are currently connected to the NX Field app.

Options	Cameras to release
[All cameras]	All remote cameras.
[Selected camera only]	Selected remote cameras.
[All cameras except the selected one]	All remote cameras other than the one selected.
[Group Release]	Selected remote camera and all in the same shooting group.

Full-Screen Release Mode

Select **[Camera Control]** from the sub-menu by touching and holding the remote camera info, then swiping up on  (shutter-release button) in the camera control display to switch to the full-screen release mode.  (shutter-release button) will enlarge to fill the frame, allowing you to take photographs without looking at the display.



- Tap  (AF-ON button) to initiate focus operations on all connected remote cameras and tap it again to stop.
- Tap the camera control display to release the shutters of all connected remote cameras.
- If [**Group Release**] is selected for [**Shooting Button (multi-camera) setting**], you can tap  (shutter-release button) to release all remote cameras in the same shooting group (📖 239).
- Tap  at the top left corner of the screen to return to the list display.

■ Taking Pictures with a Single Camera

The shutter for a selected remote camera can be released by tapping its  (shutter-release button) in the list display.

- The remote camera info for the camera in question is highlighted in green while photography is in progress.
- The memory card access ( 175) icon will light while pictures are being recorded to the memory card.
- The  (FTP) icon will flash while pictures are being uploaded to an FTP server.



Adjusting Focus for a Selected Camera (D6 and D5 Only)

You can focus selected remote cameras before taking pictures.

1. To select the remote camera, touch and hold it in the list display and select **[Camera Control]** from the view/settings sub-menu.

Controls for the selected remote camera will be displayed.

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary view.



2. Select  (camera tab) and tap  (preview button).

The app will retrieve a preview from the remote camera for reference during focusing. Note that the image is not live; if the subject moves, tap  (preview button) again.



3. Tap to position the focus point.

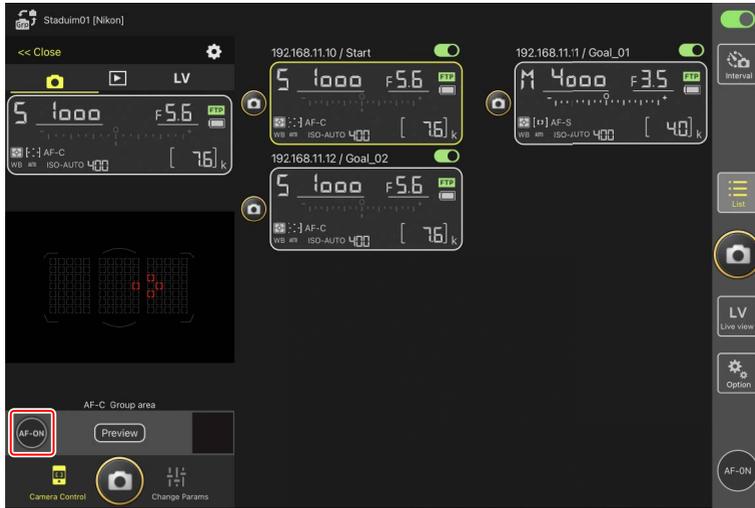
The focus point will move to the selected position.



4. Touch and hold  (AF-ON button) to focus.

The remote camera will focus on the subject in the selected focus point.

- The preview will clear from the display when you tap  (AF-ON button). You can check focus by tapping  (preview button) again to retrieve another preview.



5. Tap  (shutter-release button) to take a picture.



Live View Photography

Live view photography can be accessed either by choosing a remote camera in the list display and selecting [**Camera Control**] or via  (live view button).

Cautions: Live View Photography.....

- Shutter-release button response may lag if you switch to the list display immediately after taking a burst of pictures in live view.
- The photo/video selectors on Z9, Z8, and Z6III cameras must be set to . Photos cannot be taken when  is selected.

(AF-ON) Options.....

To choose how  (AF-ON button) behaves, go to  (options) and select [**Option**] > [**AF-On button setting**].

- [**Push type**]: The camera focuses while  (AF-ON button) is held.
- [**Toggle type**]: Focus starts when you tap  (AF-ON button) and continues until you tap the button a second time.

■ Selecting a Camera for Live-View AF Photography

Choose a remote camera for live-view AF photography.

1. To select the remote camera, touch and hold it in the list display and select **[Camera Control]** from the view/settings sub-menu.

Controls for the selected remote camera will be displayed.

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary view.



2. Tap **LV** (LV tab).

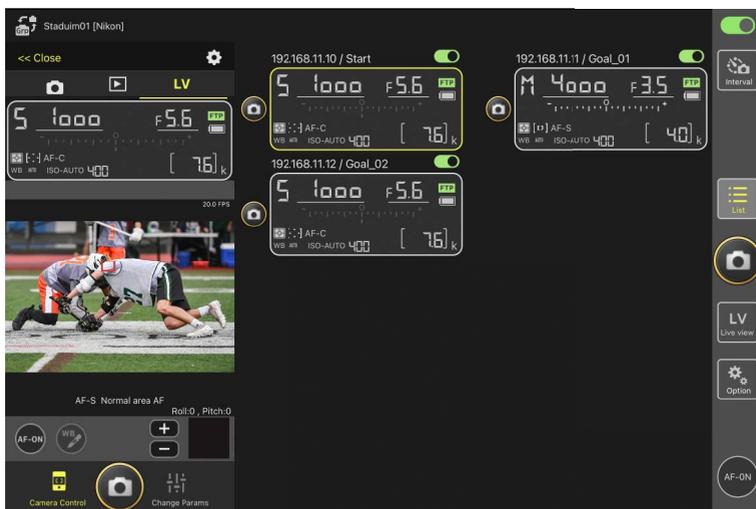
A live image from the remote camera will be displayed.

- With a power zoom lens attached, the remote camera can use NX Field app (📖 215) controls to zoom in and out.



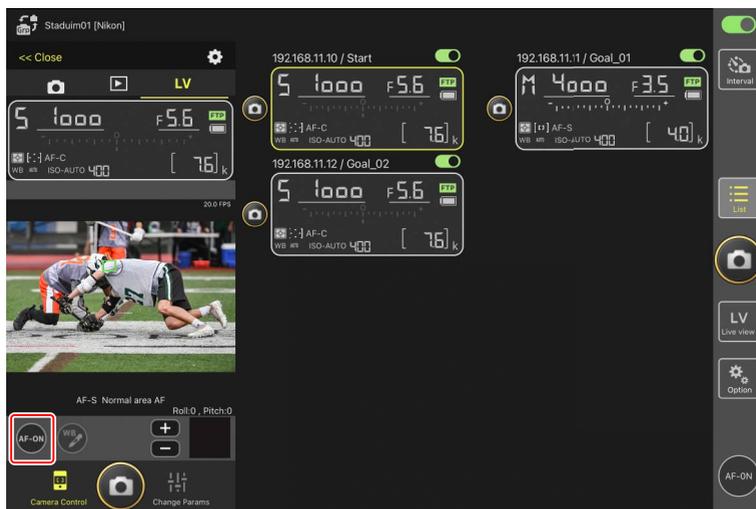
3. Tap to position the focus point.

The focus point will move to the selected position.



4. Touch and hold  (AF-ON button) to focus.

- Touch and hold  (AF-ON button) when Pre-Release Capture is enabled to perform Pre-Release Capture buffering. Tapping  (shutter-release button) while holding  (AF-ON button) saves the burst recorded during the buffering. The behavior of the button can be changed by tapping  (options button) and selecting [Option] > [AF-On button setting] (book 320).



AF Activation

Whether tapping  (shutter-release button) initiates autofocus during live view photography varies with the camera:

- Z9, Z8, Z6III, and D6 cameras: Tapping  (shutter-release button) will initiate autofocus provided [Shutter/AF-ON] is selected for Custom Setting a6 [AF activation].
- D5 cameras: Tapping  (shutter-release button) does not initiate autofocus, even if [Shutter/AF-ON] is selected for Custom Setting a8 [AF activation].

Using the Pre-Release Capture Feature with High-Speed Frame

Capture +

When selecting a high-speed frame capture + mode (C15, C30, C60, or C120) for the camera release mode, you can use Custom Setting d4 [**Pre-Release Capture options**] to choose the length of the burst recorded from the end of the memory buffer when the shutter-release button is pressed all the way down and the maximum length of the burst recorded while the shutter-release is fully pressed. You can also change settings for Pre-Release Capture and release mode in the [**Exposure**] tab (📖 263) on the camera settings display of the NX Field App.

Manual Focus Adjustment

If the lens focus-mode switch is set to M/A or A/M when autofocus is enabled on the camera, focus can be adjusted manually by tapping  and . Each tap adjusts focus by the amount selected for [**MF driving amount**] in the  (camera control options) display.

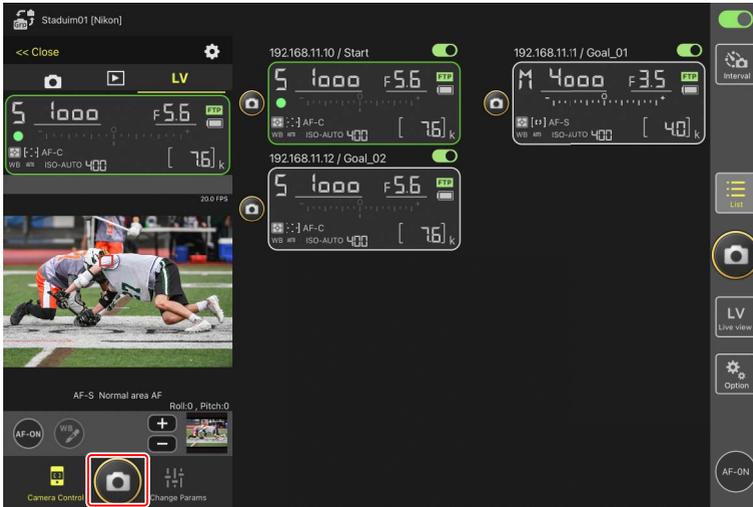
AF-ON Unavailable (D5 Only)

Selecting [**AF-F**] for [**LV - AF mode**] disables  (AF-ON button) for the remote camera in question. Select [**AF-S**] for  (camera control options) > [**LV - AF mode**] (📖 245).

Focusing at a Fixed Distance

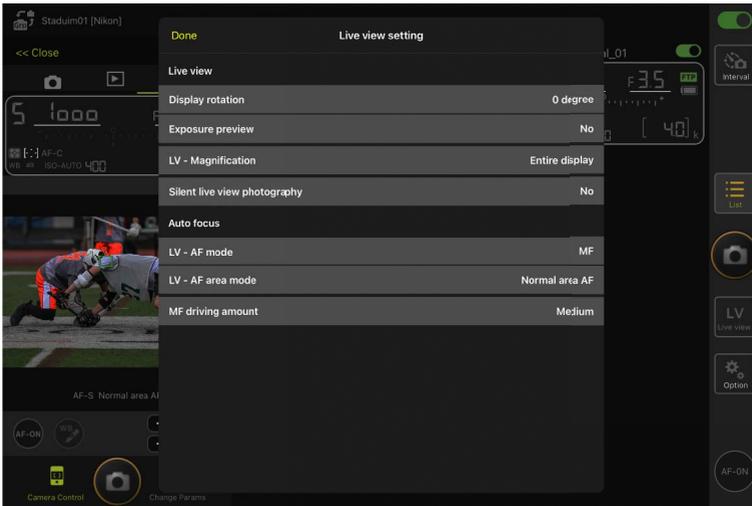
To focus at a fixed distance, select manual focus on the camera. Note that you cannot initiate autofocus or manually adjust the focus position from the NX Field app while focusing at a fixed distance.

5. Tap  (shutter-release button) to take a picture.



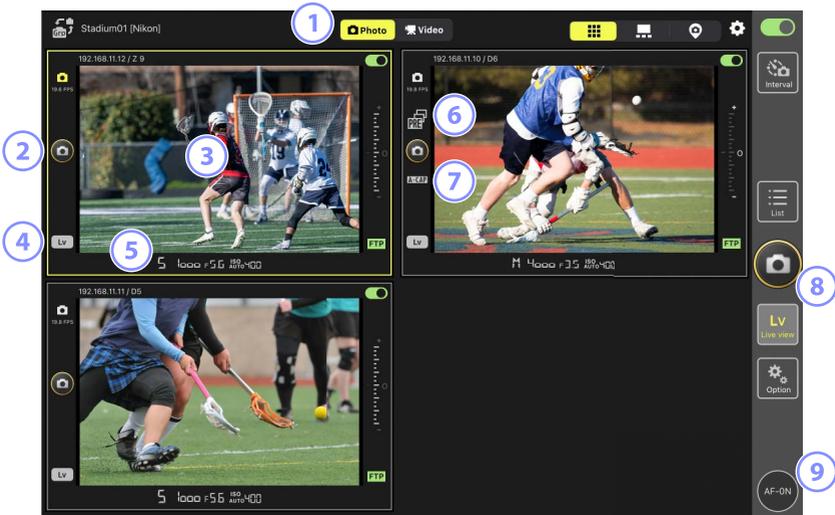
Camera Live View Settings

To adjust camera live view settings, including exposure preview and focus mode, select **LV** (LV tab) in the camera control display and tap  (camera control options button).



■ Taking Photographs in Tiled View: (Live View Button)

Tapping  (live view button) and selecting  (tiled view tab) displays equal-sized tiles showing the views through the lenses on all remote cameras with connection switches currently in the  (on) position.



- 1 Switch between photo and video modes.
- 2 To release the shutter on a selected camera, use  (shutter-release button) to the left of the tile.
- 3 Touching and holding a live view brings up the view/settings sub-menu, which among other things can be used to access the **[Camera Control]** (📖 260) and **[Change Params]** (📖 268) panels.
- 4 To end live view for a selected camera only, tap  (Lv button) at the bottom left corner of the tile.
- 5 Swipe the remote camera info at the bottom of the live view pane left or right to choose a shooting menu bank (📖 276).
- 6 Displayed while performing Pre-Release Capture from the NX Field app (Z9 “C” firmware version 5.00 or later only) (📖 208).

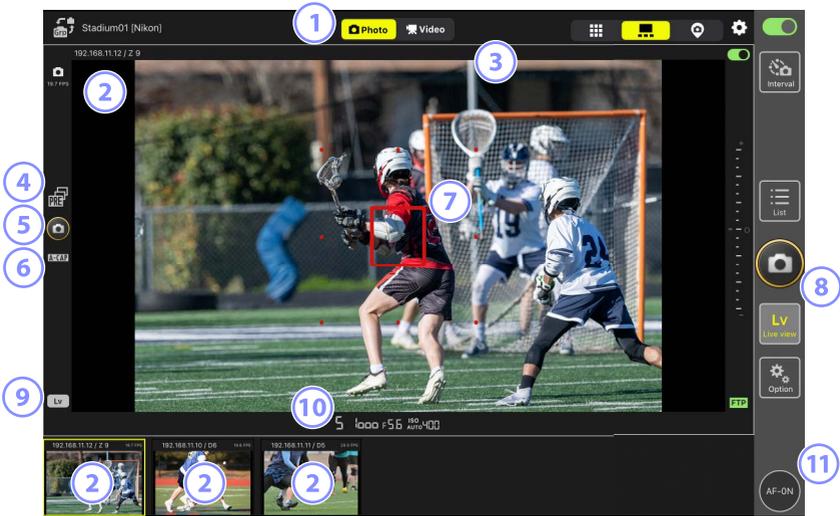
- ⑦ Displayed while performing auto capture from the NX Field app (Z9“C” firmware version 5.00 or later only) (📖 245).
- ⑧ To release the shutters on all cameras simultaneously, use  (shutter-release button) on the right side of the display.
- ⑨ To focus all remote cameras using autofocus, touch and hold  (AF-ON button).

Positioning the Focus Point

To position the focus point, select main/secondary view or **LV** (LV tab) in the camera control display.

■ Taking Photographs in Main/Secondary View: (Live View Button)

Tapping  (live view button) and selecting  (main/secondary view tab) displays the views through the lenses of all remote cameras with connection switches currently in the  (on) position. The view for the main camera is displayed at a larger size than the views for the remaining cameras.



- ① Switch between photo and video modes.
- ② Tapping a secondary view displays it in main view and relegates the camera currently in main view to a secondary view. Touching and holding a live view brings up the view/settings sub-menu, which among other things can be used to access the **[Camera Control]** (📖 260) and **[Change Params]** (📖 268) panels.
- ③ Select and edit IPTC presets (📖 219).
- ④ Displayed while performing Pre-Release Capture from the NX Field app (Z9 “C” firmware version 5.00 or later only) (📖 208).

- ⑤ To release the shutter on the main camera, tap  (shutter-release button) on the left side of the display.
- ⑥ Displayed while performing auto capture from the NX Field app (Z9“C” firmware version 5.00 or later only) ( 245)
- ⑦ The focus point (main camera only). You can reposition the focus point by tapping the display. For more information, see [Selecting a Camera for Live-View AF Photography](#) ( 204).
- ⑧ To release the shutters on selected cameras ( 230), tap  (shutter-release button) on the right side of the display.
- ⑨ To end live view for the main camera only, tap  (Lv button) at the bottom left corner of the display.
- ⑩ Swipe the remote camera info at the bottom of the live view pane left or right to choose a shooting menu bank ( 276).
- ⑪ To focus all remote cameras—main and secondary included—touch and hold  (AF-ON button).

Zooming with Power Zoom Lenses

With a power zoom lens attached, the remote camera can use NX Field app controls to zoom in and out.

✓ Supported Cameras

This feature is available with:

- Z9 cameras ("C" firmware version 5.10 or later)
- Z8 cameras ("C" firmware version 2.10 or later)
- Z6III cameras ("C" firmware version 1.10 or later)

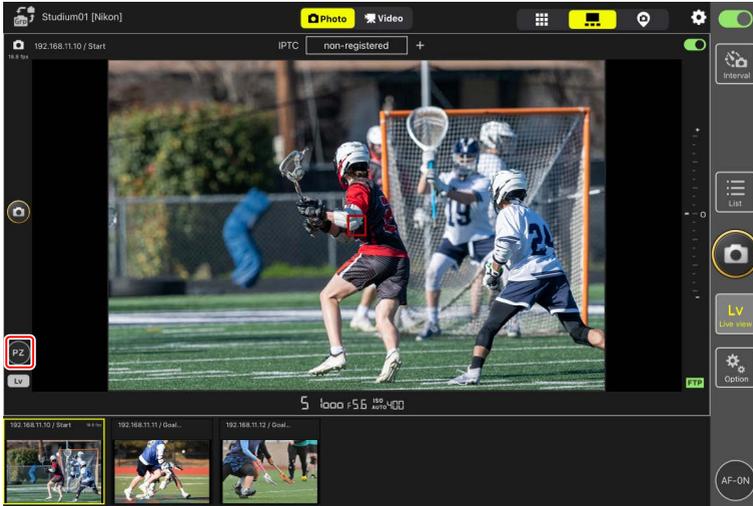
1. Tap  (power zoom button) in the live view display.

This displays the tool area.

-  (power zoom button) appears on **LV** (LV tab) in the camera control display or on  (main/secondary view tab) in the live view display.
 - **LV** (LV tab) in the camera control display



–  (main/secondary view tab) in the live view display



2. Tap **W/T** to zoom in and out.

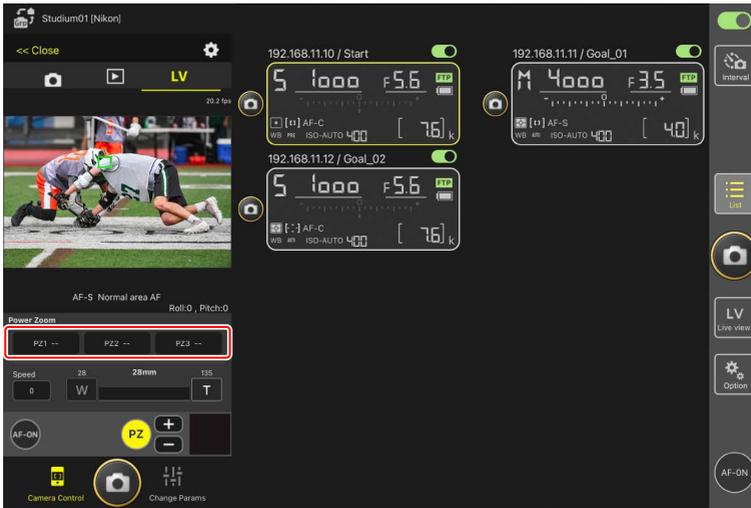
- Tap **W** to zoom out and **T** to zoom in.
- Tap the [**Speed**] value to select the zooming speed from the sub-menu.
- Tap **PZ** (power zoom button) again to hide the tool area.



Saving Zoom Positions

Touch and hold any of [PZ1] to [PZ3] and select [Add Zoom position] from the submenu to save the current zoom position as a preset (excluding APS-C sized, DX-format NIKKOR Z lenses).

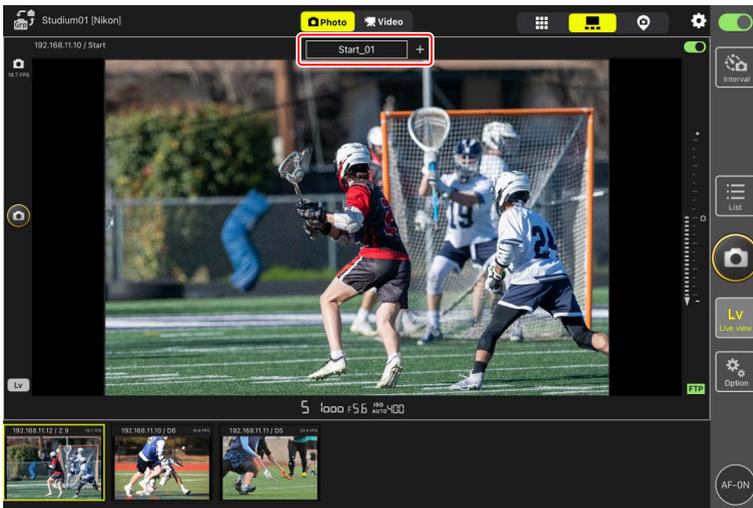
- Tap the desired preset to recall it.
- To delete a preset, touch and hold it and select [Clear Zoom position] from the sub-menu.
- Attaching a power zoom lens other than the one used to save the preset will reset all saved presets.



■ Automatically Add IPTC Presets to Pictures Taken in Live View (for Z9/Z8/Z6III/D6/D5 only)

You can select and edit IPTC presets in main/secondary view during live view photography.

- Select by tapping the name of an IPTC preset (or **[non-registered]** if not selected). This adds the selected IPTC preset to the picture taken in main view.
- Tap **Edit** (Edit button) to display the edit display for the selected IPTC preset. Items can be edited as desired.



Creating IPTC Presets with the NX Field App

Create IPTC presets using the **[Edit]** item under **[IPTC information]** in the **[Info]** tab (📖 274) on the camera settings display.

Live View Video Recording

Live view video recording is available in tiled and main/secondary views.

Cautions: Recording Videos

- The options in the camera control  (playback tab) (📖 280) cannot be used when  **Video** (video tab) is selected.
- Videos over 4 GB in size cannot be uploaded via FTP.

(AF-ON) Options

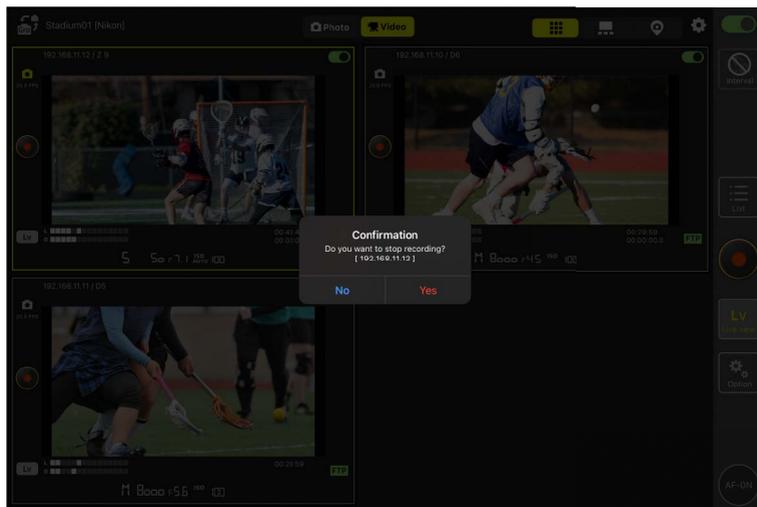
To choose how  (AF-ON button) behaves, go to  (options) and select **[Option]** > **[AF-On button setting]**.

- **[Push type]**: The camera focuses while  (AF-ON button) is held.
- **[Toggle type]**: Focus starts when you tap  (AF-ON button) and continues until you tap the button a second time.

Prompt Before Ending Recording

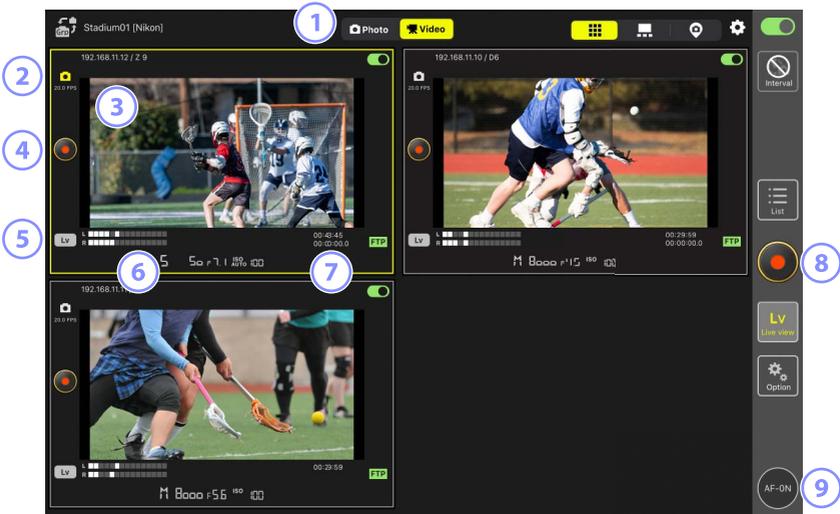
If desired, a confirmation dialog can be displayed when the stop button is tapped to end recording. Selecting **[Yes]** ends recording. To enable this option, go to

 (options) > **[Option]** > **[Video setting]**.



■ Recording Videos in Tiled View

Tapping  (live view button) and selecting  (tiled view tab) displays equal-sized tiles showing the views through the lenses on all remote cameras with connection switches currently in the  (on) position. To select video mode, tap  **Video** (video tab).



- ① Switch between photo and video modes.
- ② The frame rate for live view ([book 230](#)).
- ③ Touching and holding a live view brings up the view/settings sub-menu, which among other things can be used to access the **[Camera Control]** ([book 260](#)) and **[Change Params]** ([book 268](#)) panels.
- ④ To start recording on a selected camera, use  (video recording button) to the left of the tile.
- ⑤ To end live view for a selected camera only, tap  (Lv button) at the bottom left corner of the tile.
- ⑥ Sound level indicators.

- ⑦ The number in the first row is the recording time, that in the second row the time code.
- ⑧ To start video recording on all cameras simultaneously, use  (video recording button) on the right side of the display.
- ⑨ To focus all remote cameras using autofocus, touch and hold  (AF-ON button).

Positioning the Focus Point

To position the focus point, select main/secondary view or **LV** (LV tab) in the camera control display.

■ Recording Videos in Main/Secondary View

Tapping  (live view button) and selecting  (main/secondary view tab) displays the views through the lenses of all remote cameras with connection switches currently in the  (on) position. The view for the main camera is displayed at a larger size than the views for the remaining cameras. To select video mode, tap  (video tab).



- ① Switch between photo and video modes.
- ② The frame rate for live view (📖 230).
- ③ Tapping a secondary view displays it in main view and relegates the camera currently in main view to a secondary view. Touching and holding a live view brings up the view/settings sub-menu, which among other things can be used to access the **[Camera Control]** (📖 260) and **[Change Params]** (📖 268) panels.
- ④ The focus point (main camera only). You can reposition the focus point by tapping the display. For more information, see [Selecting a Camera for Live-View AF Photography](#) (📖 204).

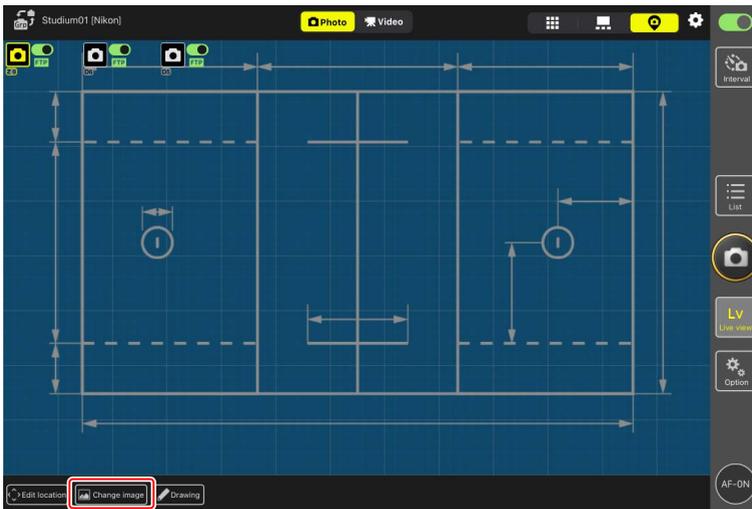
- ⑤ To start video recording on the main camera, tap  (video recording button) on the left side of the display.
- ⑥ To start video recording on all cameras simultaneously, tap  (video recording button) on the right side of the display.
- ⑦ To end live view for the main camera only, tap  (Lv button) at the bottom left corner of the display.
- ⑧ Sound level indicators.
- ⑨ The number in the first row is the recording time, that in the second row the time code.
- ⑩ To focus all remote cameras—main and secondary included—touch and hold  (AF-ON button).

“Skin” View Settings

Choose a picture stored on the iPad for use as a “skin” in “skin” view (📖 191). Placing icons on a site plan “skin” lets you quickly grasp the locations of the remote cameras when working at facilities such as stadiums or tennis courts.

■ Choosing Backgrounds for “Skin” View

To choose a background for “skin” view, tap [**Change image**] at bottom left in the display and select a picture from those stored on the iPad.



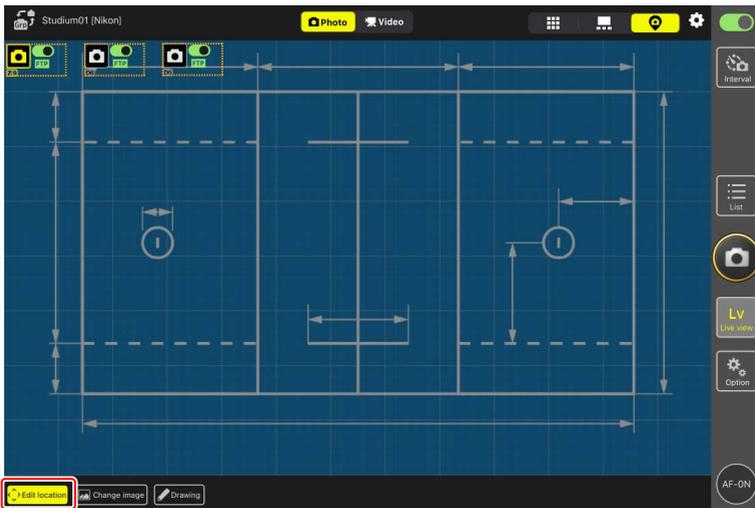
■ Mapping Remote Camera Locations

Place icons on the background showing the locations of the remote cameras with the selected display name.

1. Tap [**Edit location**] in “skin” view.

The remote camera icons will be highlighted with broken orange borders, indicating that they can be moved.

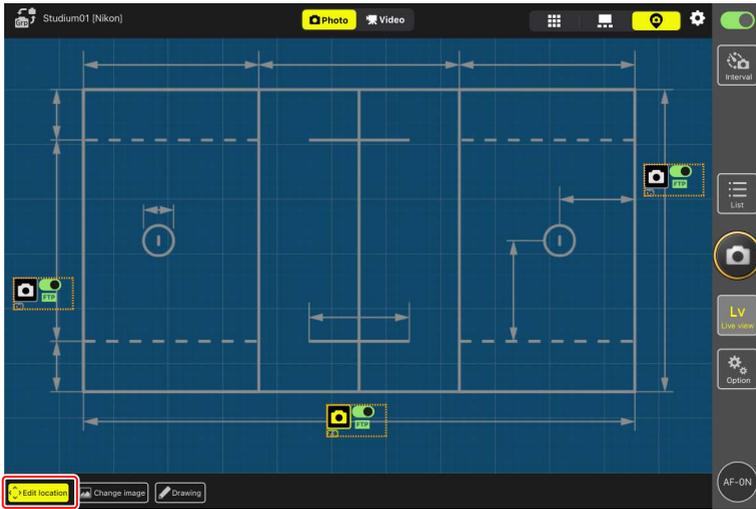
- The selected camera icon is highlighted in yellow.



1. After positioning all the icons, tap **[Edit location]** again.

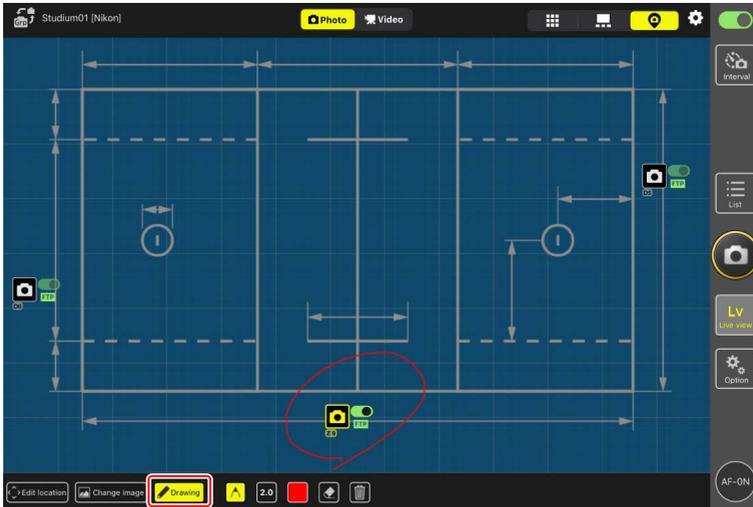
The remote cameras' locations will be saved.

- Touching and holding the icons displays a sub-menu.



■ Annotating Backgrounds

To add hand-drawn annotations to backgrounds in “skin” view, tap **[Drawing]**.



Annotation controls are described below.

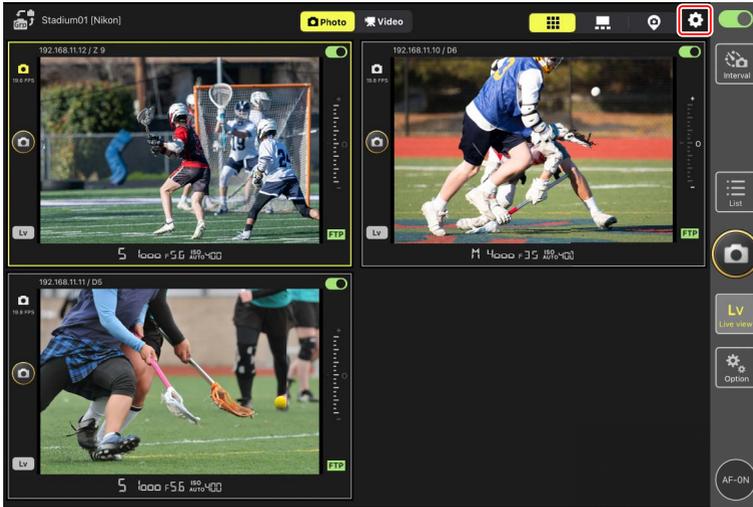
Control	Description
	Select to add hand-drawn annotations.
	Choose line thickness of from [1.0] to [8.0] .
	Choose a color. The default is red.
	Select to erase parts of the annotations.
	Delete all annotations.

Taking Photographs and Recording Videos in “Skin” View

- In “skin” view, you can take photographs or start video recording on all cameras by tapping (shutter-release button) or (video recording button) on the right side of the display.
- Enabling group release puts check boxes on the remote camera icons (📖 239).

Adjusting Live View Settings

Adjustments to the frame rate for live view and skin opacity can be made via  (live view options button).



Item	Sub-item	Description
Frame rate (FPS)	Frame rate of main LV	Choose a frame rate for the main view display from seven options ranging from [1 fps] to [30 fps].
	Frame rate of sub LV	Choose a frame rate for the secondary view displays from seven options ranging from [1 fps] to [30 fps].
	Frame rate of tile LV	Choose a frame rate for tiled view from seven options ranging from [1 fps] to [30 fps].

Item	Sub-item	Description
Image size	Image size of main LV	Choose an image size for the main view display from [Equivalent to QVGA], [Equivalent to VGA], [Equivalent to XGA].
	Image size of sub LV	Choose an image size for the secondary view display from [Equivalent to QVGA], [Equivalent to VGA], [Equivalent to XGA].
	Image size of tile LV	Choose an image size for tiled view display from [Equivalent to QVGA], [Equivalent to VGA], [Equivalent to XGA].
Image compression	Image compression of main LV	Choose an image quality for the main view display from six options ranging from [BASIC] to [FINE★].
	Image compression of sub LV	Choose an image quality for the secondary view display from six options ranging from [BASIC] to [FINE★].
	Image compression of tile LV	Choose an image quality for tiled view display from six options ranging from [BASIC] to [FINE★].
Shooting Button (multi-camera) setting	Shooting Button	<p>Select which cameras will release the shutter when tapping the button on the right side of the main view display, from [All cameras], [Selected camera only], [All cameras except the selected one], or [Group release].</p> <ul style="list-style-type: none"> • This is the same item as [Shooting Button (multi-camera) setting] in  (options) > [Option] (📖 240). Changes to either item will apply to both. • Not available during video recording.

Item	Sub-item	Description
Focus point display setting (Main-sub view)	Focus point display	Select whether to display the focus point indicated as a red frame on the main view display. You can tap the display to move the focus point even when the red frame is hidden.
Skin image	Opacity	Adjust the opacity of the "skin" image; choose from values of from 0% to 100% in 5% increments.

Interval-Timer Photography

Configure remote cameras for interval-timer photography to take a selected number of pictures automatically at a selected interval.

Cautions: Interval-Timer Photography

- Configure the remote cameras for a release mode other than self-timer or **Mup**.
- Some features are not available during interval-timer photography, including switching between the list display and live view and copying exposure settings.
- Interval-timer photography will pause if the user views the camera controls or camera settings display while shooting in the **[NORMAL]** or **[Advance]** tab. Closing either of the displays will resume shooting. Note that regardless of when shooting is paused, the next shooting will restart from the beginning of the interval.

Adjusting Camera Settings for Interval-Timer Photography

The camera may sometimes fail to release the shutter if autofocus with focus priority is enabled on the camera. To ensure that pictures are taken at the selected interval, select **[Release]** for Custom Settings a1 **[AF-C priority selection]** and a2 **[AF-S priority selection]** or use manual focus.

1. Tap  (interval-timer photography button).



2. Adjust interval-timer settings.

The NX Field app offers **[Normal]**, **[Advance]**, and **[In camera]** interval-timer tabs, each with their own  (start button) and  (stop button). The options available vary with the tab selected, and the options selected in one tab have no effect on the others.

Choosing an Interval

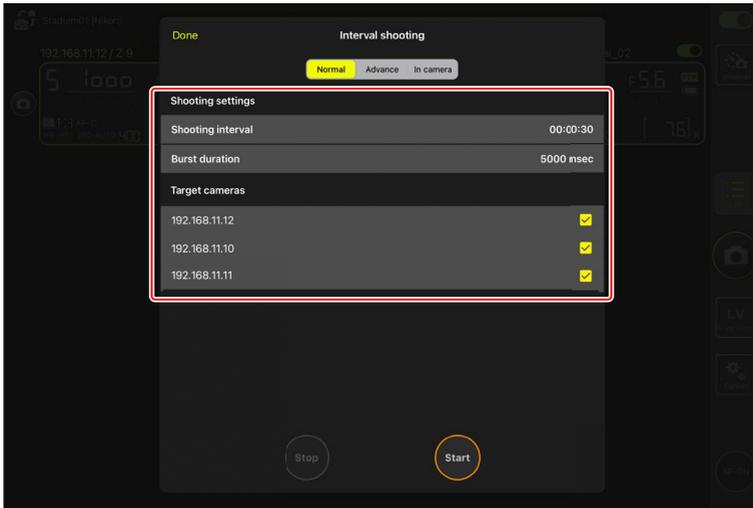
Choose an interval longer than the time needed to take the selected number of shots at the predicted shutter speed. If the interval is too short, the camera may drop shots or miss the interval altogether.

Burst Length

The number of pictures that can be taken in the selected time varies with the camera release mode.

- **[Normal]**

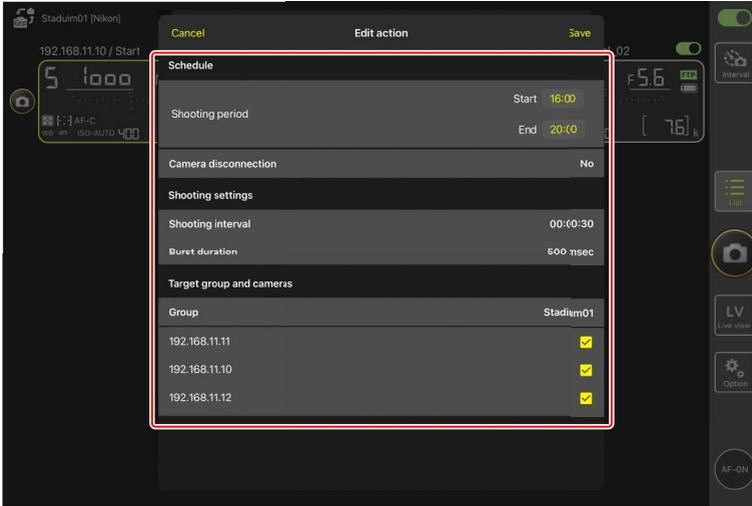
- Interval (1 second to 2 hours)
- Burst length (“none” or values of up to 5000 msec)
- Target remote camera.



- **[Advance]**

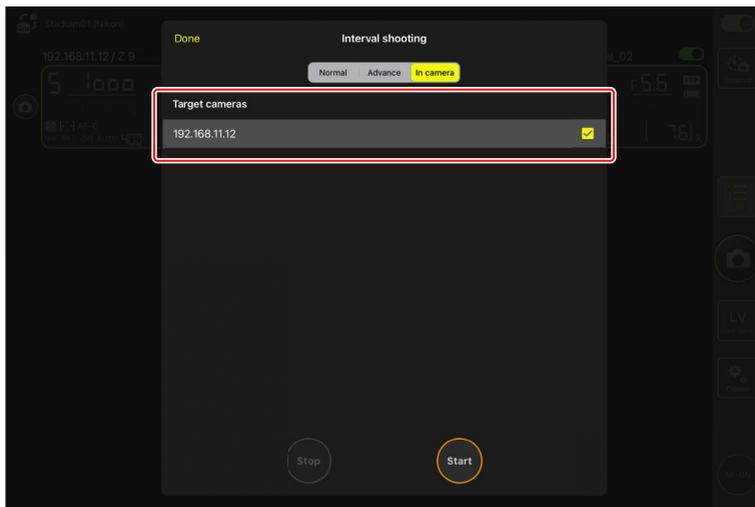
Tap **[+Add]** to access the following settings:

- Start and end times (hour and minute)
- Terminate/do not terminate camera connection when interval-timer photography ends
- Interval (1 second to 2 hours)
- Burst length (“none” or values of up to 5000 msec)
- Target remote camera or group



- **[In camera]**

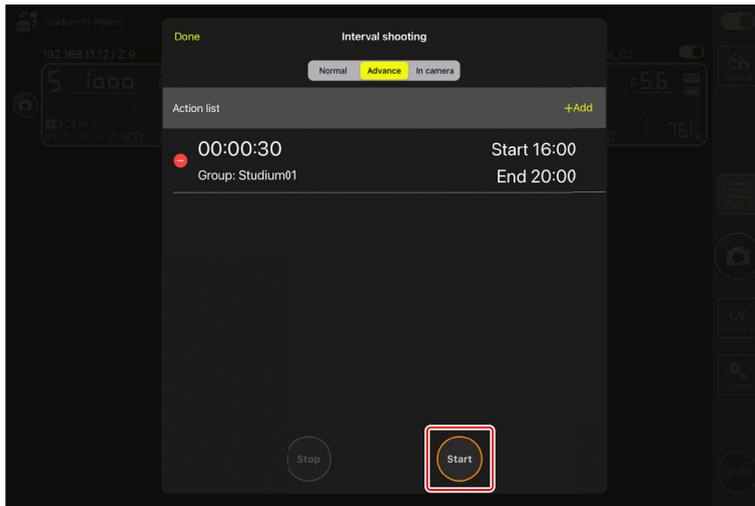
Perform interval-timer photography according to the settings selected for **[Interval timer shooting]** in the camera photo shooting menu. The NX Field app is used only to start and stop interval-timer photography. This option is available with compatible remote cameras (Z9, Z8, and Z6III only).



3. Tap  (start button).

Interval-timer photography will start.

- If you chose a start time, shooting will start at the time selected.
- Interval-timer photography can be ended by tapping  (stop button).



Taking Pictures Between Intervals

The shutter can be released normally between intervals while interval-timer photography is in progress.

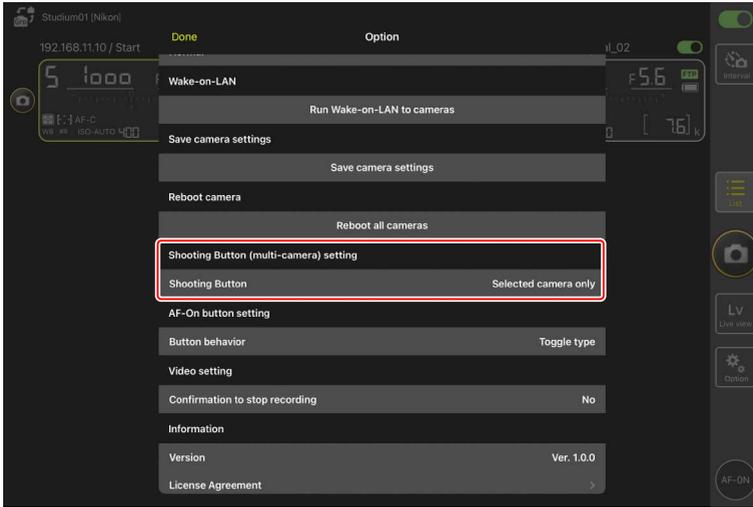
Group Release

The NX Field app enables a simultaneous shutter release for all remote cameras assigned the same display name (📖 47). Further dividing the remote cameras under a display name in smaller shooting groups allows you to limit shutter release to the target cameras to optimize shooting performance.

- Enable the group release before setting shooting groups and starting group releases (📖 240).
- You can use the shooting group settings and the group release function when taking photos in the remote camera list or the tiled, main/secondary, and “skin” live view displays.

Enabling Group Release

Go to  (options) and select [**Group Release**] for [**Option**] > [**Shooting Button (multi-camera) setting**] to set shooting groups and enable group release.



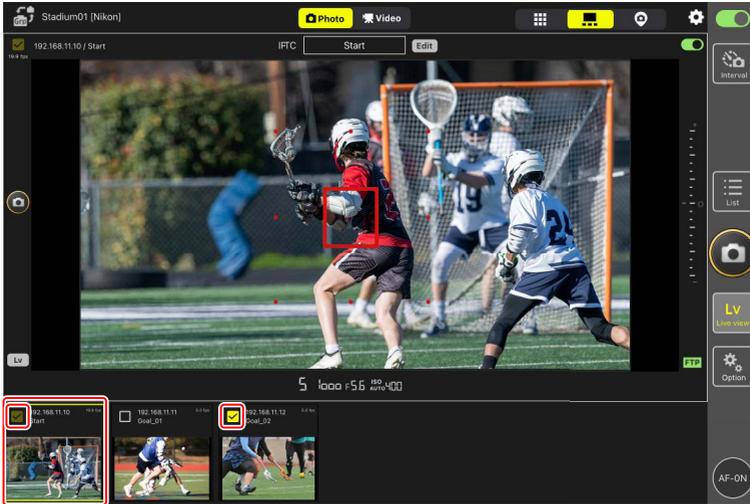
[**Shooting Button (multi-camera) setting**] In Live View Settings

The [**Shooting Button (multi-camera) setting**] item can be set from the live view settings or from  (options) > [**Option**]. Changes to either item will apply to both.

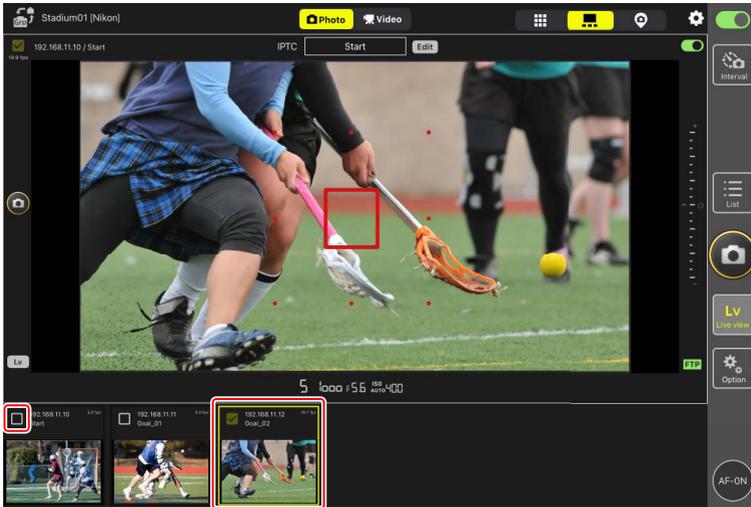
Setting Shooting Groups

Set a shooting group by selecting check boxes on “child” remote cameras while selecting a remote camera to be their “parent” in the list display or in main view.

- The shooting group settings will automatically be saved. If the remote camera set as the “parent” is deselected in the list display or displayed in secondary view, then selected in the list display or displayed in main view again, the check boxes on “children” remote cameras will be automatically selected.



- Since a shooting group setting is saved for each “parent” remote camera, the checkbox on the “parent” remote camera will not be automatically selected if a “child” remote camera is selected in the list or displayed in main view.



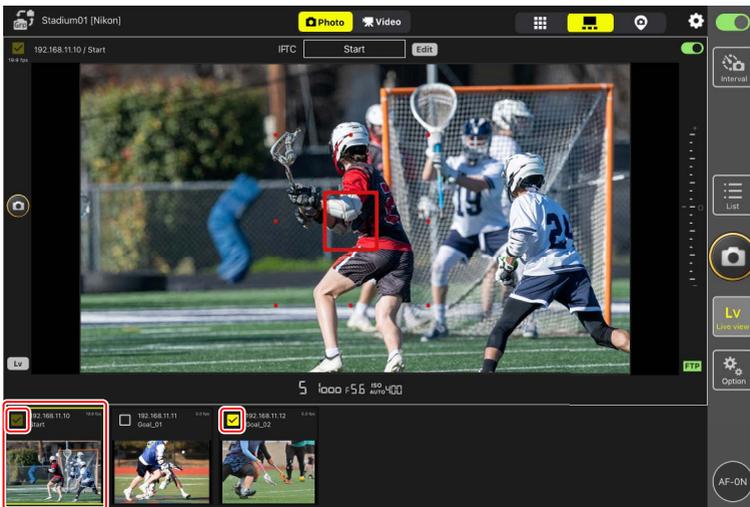
Group Releases

Execute a group release for the set shooting group.

- Enable group release and select remote cameras for the shooting group before shooting (📖 240, 241).

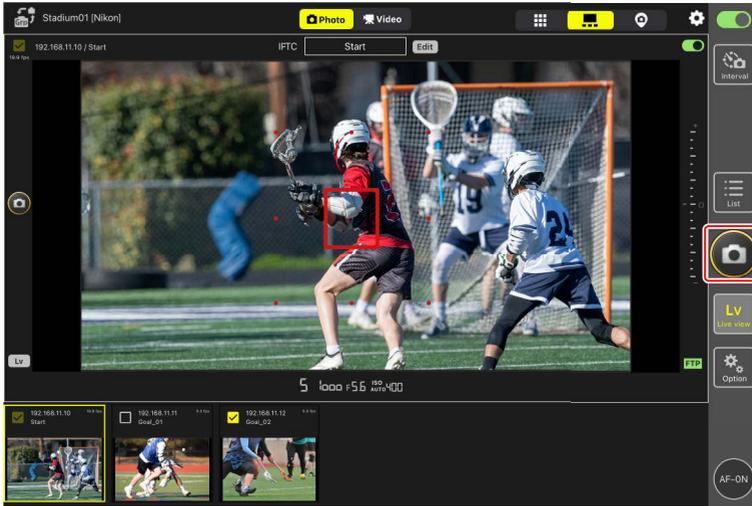
1. In the remote camera list or the tiled, main/secondary, and “skin” live view displays, select a "parent" remote camera for the shooting group or display it in main view.

This automatically selects the check boxes on all "parent" and “child” remote cameras in the shooting group for group release.



2. Tap  (shutter-release button).

This releases the selected remote cameras.

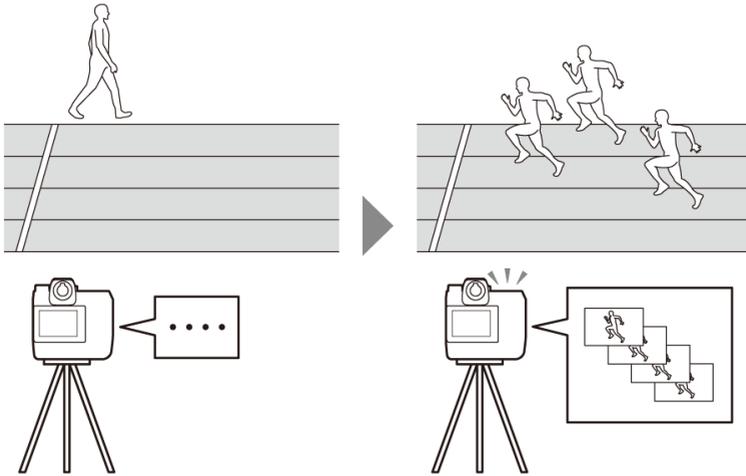


Performing Auto Capture Operations on the NX Field App

Use the NX Field app to start, suspend, or adjust settings for auto capture on the camera (Z9“C” firmware version 5.00 or later only).

What Is “Auto Capture”?

Auto capture is a function in which the camera takes photos or records videos automatically when the camera recognizes a subject. By choosing the trigger criteria for auto capture, photographers create what is effectively an unmanned camera that can take photos or film videos automatically without further action on their part.



- For details on auto capture, refer to the supplemental instructions for “C” firmware version 5.00 in the *Z9 Reference Guide*.

① Close

Return to the camera control display.

- Closing the auto capture settings display does not suspend an auto capture that is in progress. Tap **[End]** to end auto capture.

② Live View

Before starting auto capture, you can check whether the camera recognizes the subject as intended. When the camera recognizes a subject that meets the configured criteria, green boxes appear on the subject.

③ Focus Point/Auto Capture Detection Area

The focus point is displayed in red, and the auto capture detection areas are displayed in green. If a setting other than **[Auto-area AF]** is configured for the AF-area mode on the camera, you can tap the screen to move the focus point.

④ The Auto Capture Status Display

A-CAP (A-CAP) is displayed while auto capture is in progress.

⑤ Start/End

Tap the **[Start]** button to start auto capture with configured settings. Tap the **[End]** button to end auto capture.

Disabled **[Start]** Button

The **[Start]** button is disabled if the camera cannot perform auto capture operations due to conditions such as no lens being attached. Check the camera's settings.

Caution: Auto Capture

- The following functions cannot be used while auto capture is in progress.
 - Interval-timer photography
 - Video live view
- Saving settings to the camera by tapping  (options) and selecting **[Option]** > **[Save camera settings]** will end auto capture.

6 Preview

Tap this button to show or hide the focus point/auto capture detection area (3).

7 User Presets

Select and load user presets for auto capture stored in the camera. Changes made to auto capture settings with the NX Field app are also automatically reflected in user presets.

8 The [Capture Criteria] Check Boxes

Checked settings will be effective during auto capture.

- At least one checkbox must be checked. When switching capture criteria, first check the checkbox of the criterion to be switched to.

9 [Motion]

The configured speed and size of motion are displayed. Tap to display motion settings (250).

10 [Subject Detection]

The size and target of subject detection are displayed. Tap to display subject detection settings (253).

11 [Distance]

Displays the nearest and farthest distances to the subject that the camera recognizes. Tap to display distance settings (255).

- You can use this function when a NIKKOR Z lens is attached. It may not function with other lenses.

12 [Target Area]

Tap to display target area settings (📖 257).

- Configure settings for the focus mode and the AF-area mode. Tap [**Setting**] to display the target area settings when any of the following criteria is met:
 - The focus mode is set to a mode other than **MF** and the AF-area mode is set to [**Auto-area AF**].
 - The focus mode is set to **MF** and the [**Distance**] capture criteria checkbox is unchecked

13 [Timing Options]

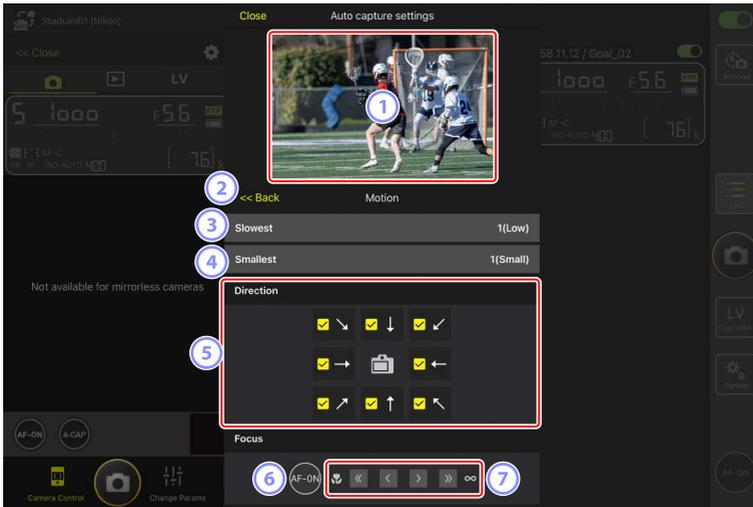
Configure the shooting duration and the minimum length of time it will wait before beginning shooting again (📖 259).

Configuring Capture Criteria

Configure the criteria for performing auto capture. The configurable criteria are **[Motion]**, **[Distance]**, and **[Subject detection]**. If multiple criteria are selected, shooting will only be performed when all of the criteria are satisfied.

[Capture Criteria]: [Motion]

Tap **[Motion]** in the auto capture settings display to open the motion settings display. You can configure the direction of movement, speed, and size of the subject.



1 Live View

Preview how the camera recognizes the subject under the configured motion criteria.

- You can configure the point where you want to focus by tapping the position where the subject is expected to enter the angle of view.

2 Back

Save settings and return to the previous display.

③ [Slowest]

Configure a value that corresponds to the speed measured as the time taken for the subject to cross the frame horizontally. Each option roughly corresponds to the following number of seconds.

- **[1(Low)]**: About 5 s or less
- **[2]**: About 4 s or less
- **[3]**: About 3 s or less
- **[4]**: About 2 s or less
- **[5(High)]**: About 1 s or less

④ [Smallest]

You can configure the size of the subject. Choose from the following five options corresponding to the size of the auto capture detection areas consisting of the number of points (the green boxes displayed in live view).

- **[1(Small)]**: 4 points or larger
- **[2]**: 8 points or larger
- **[3]**: 14 points or larger
- **[4]**: 24 points or larger
- **[5(Large)]**: 34 points or larger

Size Settings for [Motion] and [Subject Detection].....

When both **[Motion]** and **[Subject detection]** are checked under **[Capture criteria]** in the auto capture settings display, the **[Smallest]** chosen for the former will have no effect on the **[Smallest]** chosen for the latter. Changing the **[Smallest]** selected in the motion settings display has no effect on the **[Smallest]** selected in the subject detection display. The two conditions will be assessed separately, but only subjects that meet the criteria for both will trigger auto capture.

⑤ [Direction]

Select the direction in which the subject should move in order for the camera to shoot. Multiple directions can be selected. Tap the camera icon in the center to check all check boxes.

⑥ **AF-ON**

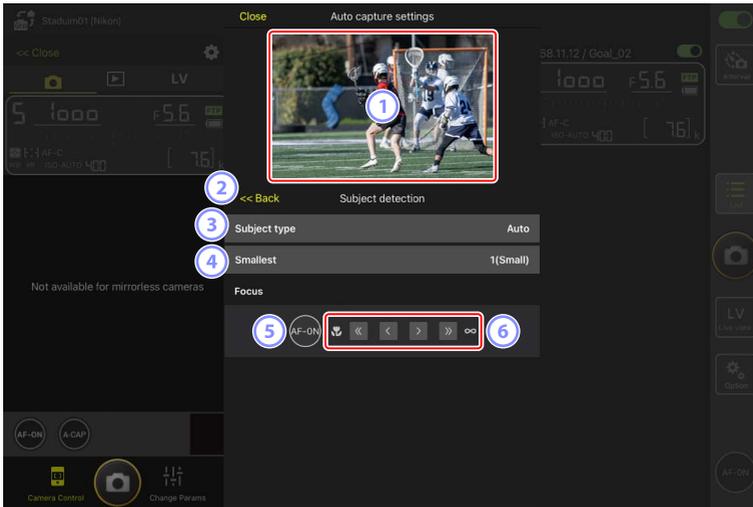
Touch and hold the button to perform autofocus on the selected focus point.

⑦ **Manual Focus**

Tap << or >> to move the focus position to the near side or the infinity side in fixed step widths. To adjust the focus position in smaller step widths, tap < or >

■ [Capture Criteria]: [Subject Detection]

Tap **[Subject detection]** in the auto capture settings display to open the subject detection settings display. You can configure the size and type (such as animal or vehicle) of the subject.



① Live View

Preview how the camera recognizes the subject under the configured subject detection criteria.

- You can configure the point where you want to focus by tapping the position where the subject is expected to enter the angle of view.

② Back

Save settings and return to the previous display.

③ [Subject Type]

Choose a subject type from **[Auto]**, **[People]**, **[Animal]**, **[Vehicle]**, or **[Airplanes]**.

④ **[Smallest]**

You can configure the size of the subject as a percentage of the angle of view. Each option roughly corresponds to the following percentages.

- **[1(Small)]**: 2.5% or more
- **[2]**: 5% or more
- **[3]**: 10% or more
- **[4]**: 15% or more
- **[5(Large)]**: 20% or more

Size Settings for [Motion] and [Subject Detection]

When both **[Motion]** and **[Subject detection]** are checked under **[Capture criteria]** in the auto capture settings display, the **[Smallest]** chosen for the former will have no effect on the **[Smallest]** chosen for the latter. Changing the **[Smallest]** selected in the motion settings display has no effect on the **[Smallest]** selected in the subject detection display. The two conditions will be assessed separately, but only subjects that meet the criteria for both will trigger auto capture.

⑤ **AF-ON**

Perform autofocus at the position where the focus point is set while touching and holding the button.

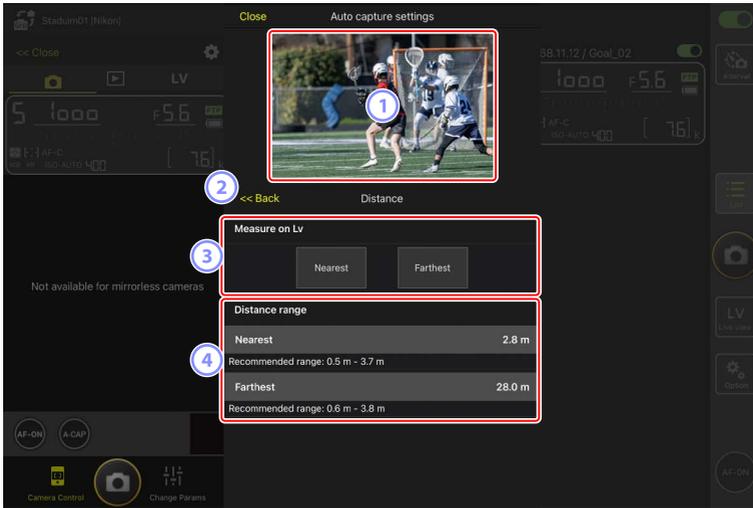
⑥ **Manual Focus**

Tap **<<** or **>>** to move the focus position to the near side or the infinity side in fixed step widths. To adjust the focus position in smaller step widths, tap **<** or **>**

■ [Capture Criteria]: [Distance]

Tap **[Distance]** in the auto capture settings display to open the distance settings display. You can configure the nearest and farthest distances at which the camera will recognize the subject.

- You can use this function when a NIKKOR Z lens is attached. It may not function with other lenses.
- The nearest distance cannot be set greater than the farthest distance.



① Live View

Preview how the camera recognizes the subject under the configured distance criteria.

② Back

Save settings and return to the previous display.

③ [Measure on Lv]

Tap these buttons to enable changes to the nearest or farthest distance by tapping the live view display. Tap **[End]** to end the process.

- This option is not available when the focus mode is set to **MF**.

④ **[Distance Range]**

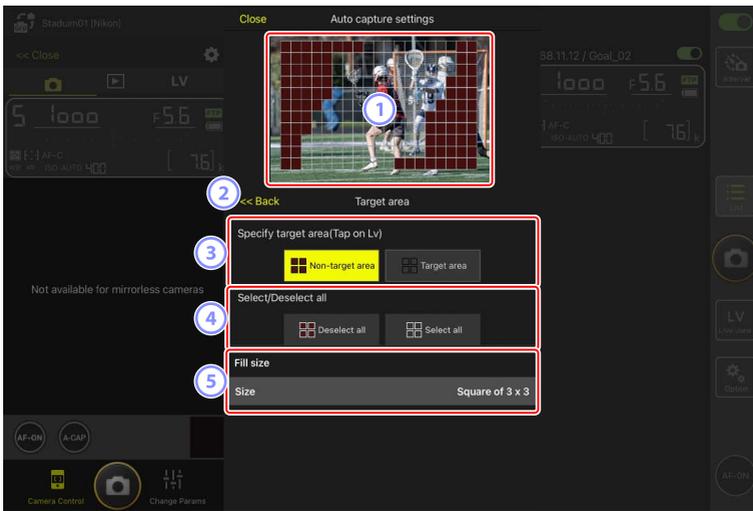
Tap to select the nearest and farthest distances.

- The setting units according to the range of distances are as follows:
 - Less than 20 m: 0.1 m
 - 20-50 m: 1.0 m
 - More than 50 m: 5.0 m
- Set the distance within the range indicated by **[Recommended range]**.
Setting the distance outside this range will reduce the accuracy of recognizing the distance to the subject.

■ Configuring the Target Area

Tap **[Setting]** under **[Target area]** in the auto capture settings display to open the target area settings display. By specifying non-target areas, such as areas with obstacles within the angle of view, you will be able to capture the subject more accurately.

- This option is available when either of the following criteria is met:
 - When the focus mode is set to a mode other than **MF** and the AF-area mode is set to **[Auto-area AF]**.
 - When the focus mode is set to **MF** and the **[Capture criteria]** checkbox for **[Distance]** is unchecked.



① Live View

Preview how the camera recognizes the subject within the target area.

② Back

Save settings and return to the previous display.

③ **[Specify Target Area (Tap on LV)]**

After tapping the [**Non-target area**] or [**Target area**] button, you will be able to tap points in live view to set them as non-target or target areas. Contiguous points can be selected together by dragging your finger across the screen.

④ **[Select/deselect All]**

Target and non-target areas for subject recognition can be configured all at once.

 **Tip for Configuring the Target Area**

If the non-target area is larger, tap [**Deselect all**], or if the target area is larger, tap [**Select all**], then use [**Specify target area (Tap on LV)**] to quickly configure the target area.

⑤ **[Fill Size]**

Set the size of the area to be selected with a single tap.

■ Configuring the Recording Time

Configure the length of time the camera continues to shoot after auto capture is triggered and the minimum length of time it will wait before beginning shooting again.

- **[Recording Time Selection]**

Select the amount of time to record for each shot from 1 second to 30 minutes, or select **[OFF]**. If a setting other than **[OFF]** is selected, the camera will continue to record for the configured amount of time even if the subject is no longer detected. If **[OFF]** is selected, the camera will only record while the subject is detected.

- Depending on the settings on the camera, it may not be possible to record for the configured amount of time.

- **[Wait After Shooting]**

Select the amount of time to wait after shooting from 0 seconds to 30 minutes. The camera will not start shooting until the configured amount of time has elapsed since the previous shot, even if the subject is detected earlier.

Adjusting Remote Camera Settings from the NX Field App

The controls for adjusting remote camera settings in the NX Field app consist of a display principally for focus-related settings, another for exposure-related settings, and a third for most other camera settings.

Adjusting Focus-Related Settings

The NX Field app can be used to select the focus mode and AF-area mode and adjust other focus-related settings.

1. Touch and hold the info for the desired remote camera and select [**Camera Control**] from the sub-menu.

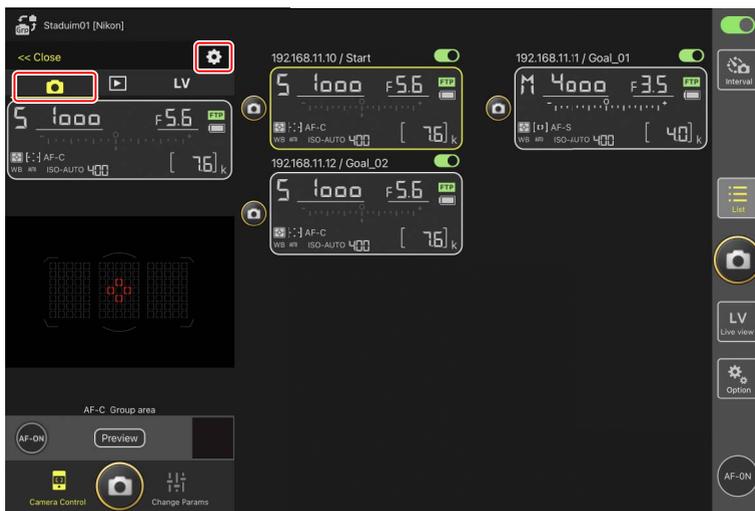
Controls for the selected remote camera will be displayed.

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary view.



2. Select  (camera tab) and tap  (camera control options).

You can adjust focus and release-mode settings for the selected remote camera. To do so, tap the desired settings.



Frame Advance Rate

- The frame advance rate (“shooting speed”) can be adjusted from the NX Field app only when the remote camera release mode dial is in the “quick release-mode selection” position.
- You can also change release mode settings in the [**Exposure**] tab (📖 263) on the camera settings display.

Adjusting Exposure Settings

Remote camera settings such as shutter speed and aperture can be adjusted from the NX Field app.

1. Touch and hold the info for the desired remote camera and select [**Change Params**] from the sub-menu.

Settings for the selected remote camera will be displayed.

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary view.



2. Tap [Exposure].

Adjust exposure settings for the selected remote camera. This can be done by tapping settings in the display.



Shooting Mode for Z6III

The shooting mode for Z6III cannot be set from the NX Field app. Use the camera to change the setting.

Caution: Camera Shutter Mode (Z9 "C" Firmware Version 5.10 or Later Only)

Select [**Shutter speed**] for camera Custom Setting g13 [**Shutter mode**] when recording videos using the NX Field app. The NX Field app will not display the shutter speed correctly if [**Shutter angle**] is selected.

■ Copying Exposure Settings from One Remote Camera to Another

Exposure settings can be copied from the display to any other remote cameras currently connected.

- The following settings will be copied: shutter speed, aperture, auto ISO sensitivity control status (enabled or disabled), ISO sensitivity, exposure compensation, white balance, white balance fine-tuning, and preset manual white balance.

1. Touch and hold the info for the source remote camera and then tap [Copy exposure info.].

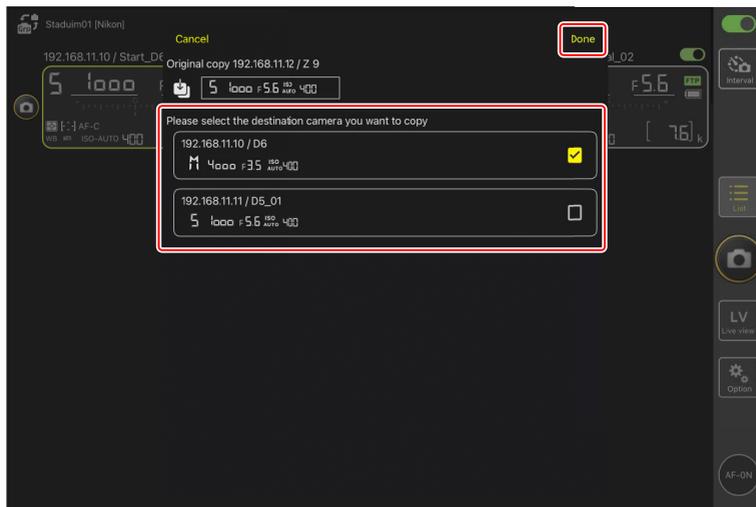
You will be prompted to choose the destination remote cameras.

- A sub-menu can be displayed by touching and holding a live view pane in tiled or main/secondary view.



2. Select the desired remote cameras and tap [**Done**].

Tap [**Yes**] when prompted to copy the source camera's exposure settings to the selected cameras.



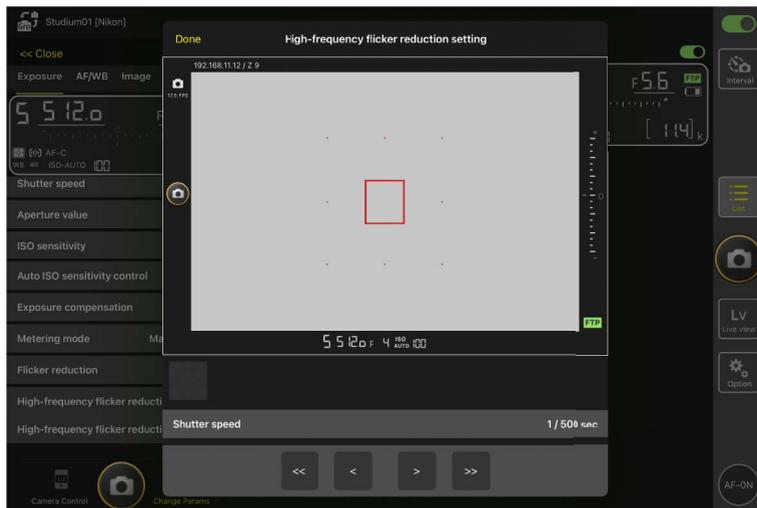
☑ Restrictions

- Depending on the model and current settings, the destination remote cameras may not support the copied values. In this event, shutter speed, aperture, ISO sensitivity, and exposure compensation will be set to the closest supported values.
- You may not be able to copy white balance between different models of camera.
- Exposure settings cannot be copied during video recording or interval-timer photography.
- Exposure settings cannot be copied during auto capture (a feature available with Z9 cameras from "C" firmware version 4.00) if it was initiated from the NX Field app.
- Copying exposure settings while a [**Toggle type**] focus operation (🗨 320) is in progress interrupts the focus operation; the focus operation will resume once copying is complete.

High-Frequency Flicker Reduction

A **[High-frequency flicker reduction]** option is available when a Z9 ("C" firmware version 2.10 or later), Z8, or Z6III is connected.

- Select **[Yes]** to enable **[High-frequency flicker reduction setting]**. You will then be able to adjust **[Shutter speed]** in smaller-than-normal increments while previewing the effect in live view. Tap **<<** or **>>** to adjust shutter speed by the amount selected on the remote camera. To adjust shutter speed in smaller increments, tap **<** or **>**.



- The shutter-speed display will show only the denominator, including the first digit following the decimal point.
- For more information on high-frequency flicker reduction, see the Z9, Z8, or Z6III *Reference Guide*.

Adjusting Other Remote Camera Settings

Adjust remote camera settings, such as white balance and Picture Controls.

Photo/Video Settings

Adjustments to **[Exposure]**, **[AF/WB]**, **[Image]**, and **[Info]** settings made during still photography apply independently of those made during video recording.

Adjust settings after selecting the appropriate tab in the live view display: tap

 **Photo** (Photo tab) for still photography or  **Video** (Video tab) for video recording. The options in the **[Video]** tab in the camera control display apply during video recording only.

■ The “Change Params” [AF/WB] Tab

Adjust autofocus and white balance settings. Some autofocus settings can also be accessed via camera control options (📖 260).



Measuring Spot White Balance (D6 and D5 Only)

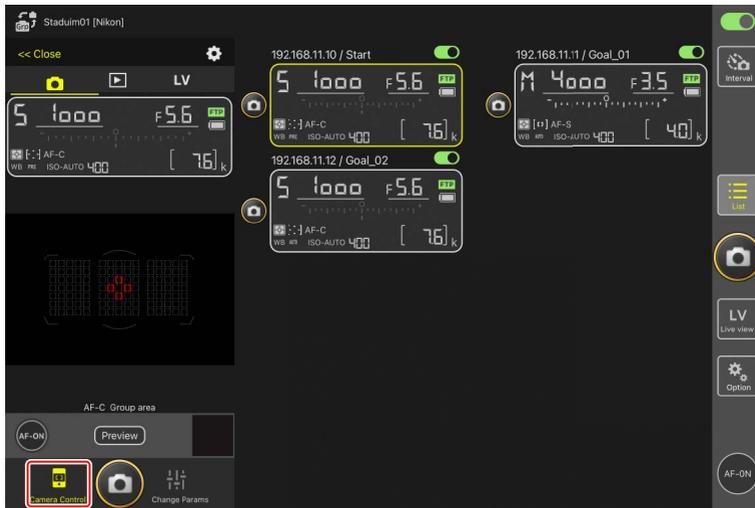
Spot white balance can be measured in live view when **[Preset manual]** is selected for white balance.

1. Select **[Preset manual]** for white balance.

White balance settings can be accessed from the **[AF/WB]** tab in the “change parameters” display.



2. Tap  (camera control button).



3. Tap  (LV tab).

A live image from the remote camera will be displayed.



4. Tap  (WB button).

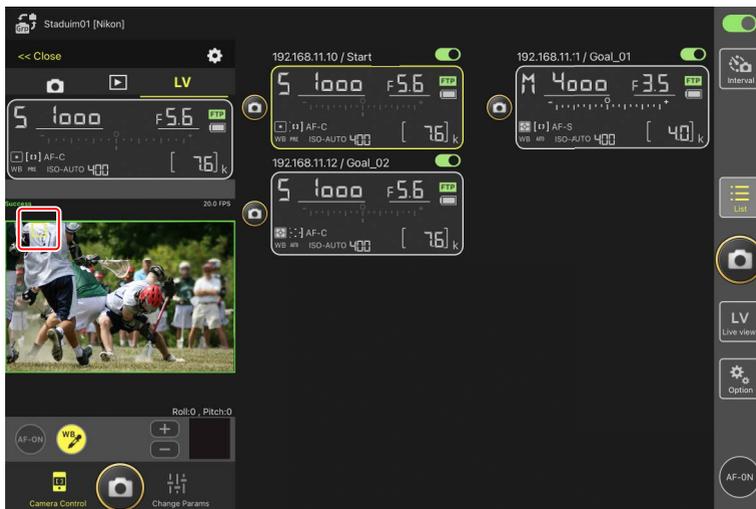
The button will turn yellow to indicate that direct measurement mode is selected.



5. Tap a neutral gray or white area of the subject.

If the measurement succeeds, the live view display will be highlighted in green and **[Success]** will be displayed.

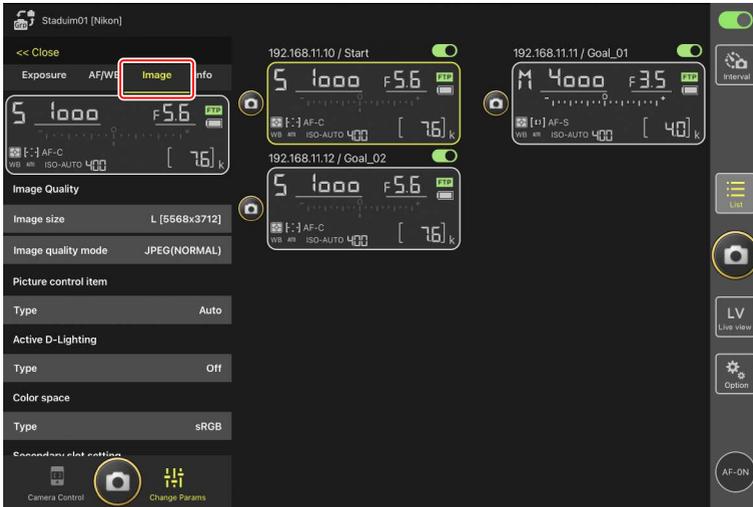
- If the live view display is not highlighted in green, tap a neutral gray or white area of the subject again.



6. Tap  (WB button) again to exit direct measurement mode.

■ The “Change Params” [Image] Tab

Adjust image quality, Picture Controls, and other image-related settings.



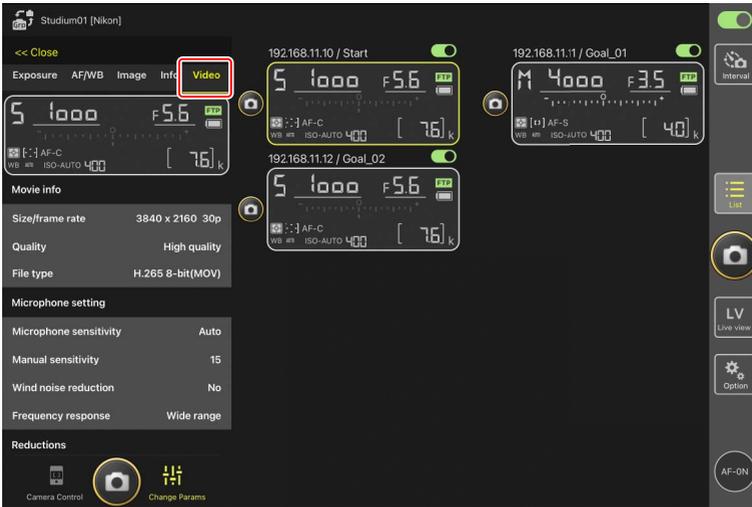
■ The “Change Params” [Info] Tab

Select the data saved with pictures, including IPTC information and image comments.



■ The “Change Params” [Video] Tab

Choose the video file type and destination and adjust video-related settings, including those for the microphone, noise and flicker reduction, and time codes.



■ Choosing a Settings Bank

You can switch between photo shooting menu settings stored on the remote camera in banks "A" through "D" by swiping the remote camera info in the NX Field app."

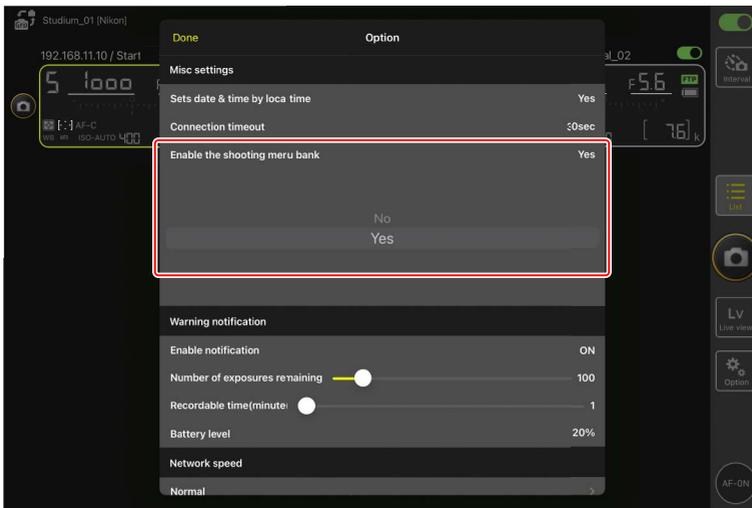
- This feature is available with the Z9, Z8, D6, and D5.

1. Adjust settings in the remote camera photo shooting menu.

The procedure varies with the camera:

- Z9 and Z8 cameras: Select [**Extended menu banks**] in the photo shooting menu and choose [**ON**].
- D6 and D5 cameras: Select [**Extended photo menu banks**] in the photo shooting menu and choose [**On**].

2. Go to (options) > [**Option**] in the NX Field app and select [**Yes**] for [**Enable the shooting menu bank**].



3. Connect to the remote camera from the NX Field app.

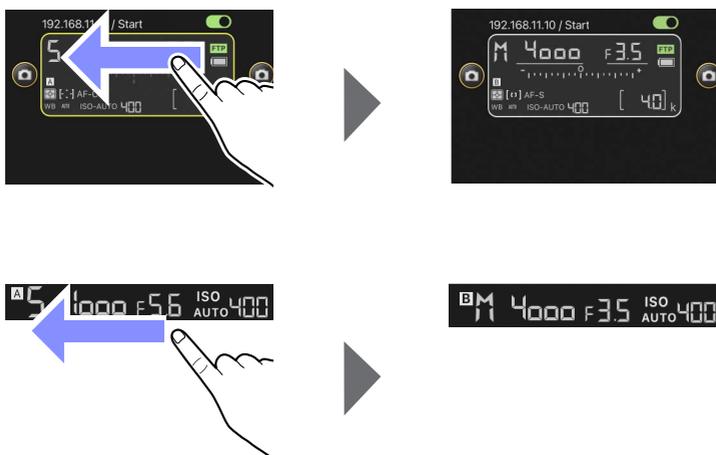
The remote camera info will now include a shooting menu bank icon (“A”–“D”).



4. Swipe the remote camera info left or right.

The selected shooting menu bank will change.

- It will take about a second for settings to be updated after you stop swiping.
- Shooting menu bank selection is also supported during still photography live view (Z9 and Z8 only).



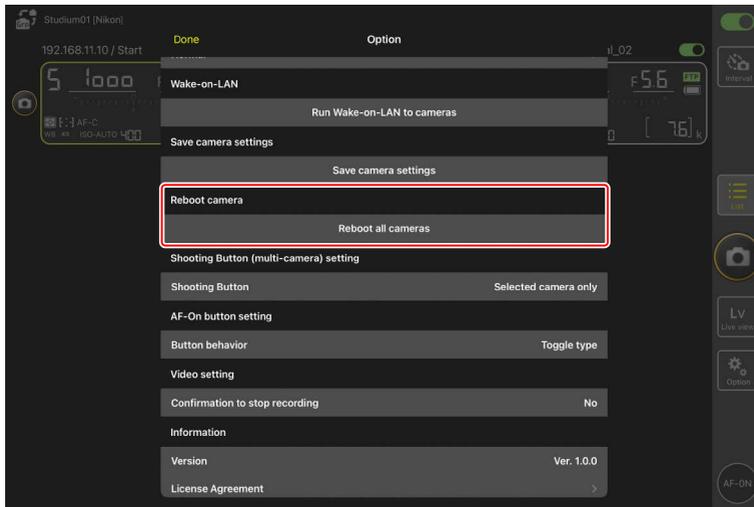
Loading Shooting Menu Settings

- NX Field will require additional time to load all the shooting menu settings from banks "A" through "D" when connecting to remote cameras with **[Yes]** selected for **[Enable the shooting menu bank]**.
- Shooting menu settings cannot be loaded by selecting **[Yes]** for **[Enable the shooting menu bank]** after a connection has been established to the remote camera via the NX Field app. End the connection to the remote camera and then reconnect.

Rebooting All Connected Remote Cameras

Go to  (options), open **[Option]**, tap **[Reboot all cameras]** to display the confirmation dialog, then tap **[OK]** to reboot all connected remote cameras.

- The rebooted remote cameras will be automatically reconnected to the NX Field app.



Supported Cameras

This feature is available with:

- Z9 cameras (“C” firmware version 5.10 or later)

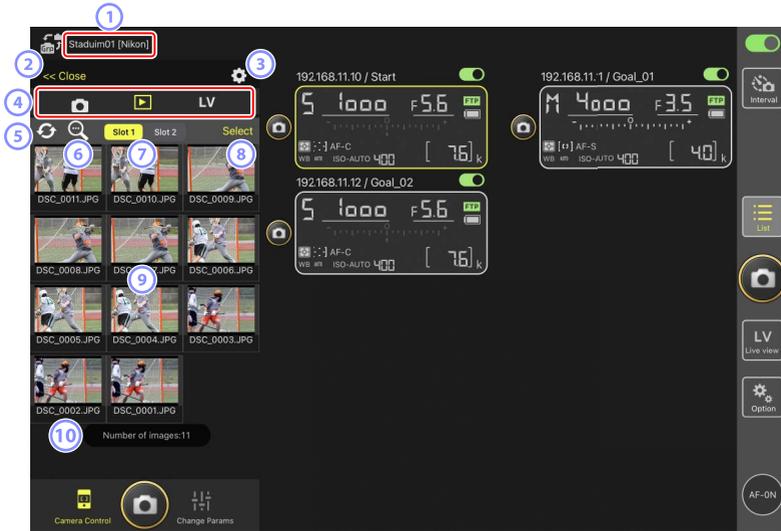
Using NX Field for an Extended Period

When using NX Field for an extended period, reboot the remote cameras during intermissions or at other convenient times to reduce the risk of unexpected errors and loss of communications.

Viewing Pictures with the NX Field App

Viewing Pictures

To view a thumbnail list of the pictures on the memory cards in the selected remote camera, tap  (playback tab) in the camera control display.



① **Display Name and [Group Name]** (📖 60)

The display name and group name.

② **[Close]**

Close the camera control panel.

③ **Camera Control Options**

Adjust settings for the playback display (📖 283).

④ **Camera, Playback, and LV Tabs**

Choose the tab to be displayed.

5 Refresh

Refresh the thumbnail display.

6 Find

Filter pictures by protection status or date of recording.

7 Slot Selection

Choose the slot containing the memory card from which pictures will be played back.

8 [Select]

Tap to enable picture selection.

9 Thumbnails

Thumbnail images showing the pictures on the memory card in the selected slot. Tapping a thumbnail displays the selected picture in single-frame view (📖 283).

- The app displays only the JPEG or HEIF copies of pictures recorded in RAW + JPEG or RAW + HEIF mode. "RAW" icons appear on the thumbnails.
- Pictures that have been uploaded to the FTP server are indicated by  icons, while those that are awaiting upload are indicated by  icons.
- Only the first shot in each series of burst photography (a burst) will appear as a thumbnail (Z9 "C" firmware version 5.00 or later only). A  icon is displayed on the thumbnail. Tap the thumbnail image to display all the pictures in the burst as thumbnails.
 - Tap the first picture in the burst to exit to the previous screen.
 - How the series of shots taken in burst photography are displayed can be changed using the playback display options (📖 287).
- In the case of RAW videos, only the MP4 proxy videos recorded with the RAW footage will be displayed. MP4 icons appear on the thumbnails.

⑩ **Number of Pictures**

The total number of pictures saved on the memory card in the selected slot displayed in the thumbnail list. A burst is counted as one picture.

Viewing Videos.....

Videos cannot be viewed in the NX Field app. Videos can be shared or downloaded to the iPad's camera roll or the like for playback (📖 289).

■ Display a Picture in Single-Frame View

Display the selected picture in single-frame view by tapping its thumbnail in the playback display. You can share and save the current picture, send it via FTP, or add a voice memo.



① [AF]

Tap this icon to view the focus point used when the picture was taken. This is not available when a HEIF or RAW picture recorded with HLG selected for tone mode is displayed in single-frame view.

② [Info.]

Tap this icon to view the date and time of recording, shutter speed, and other shooting information. This is not available when a HEIF or RAW picture recorded with HLG selected for tone mode is displayed in single-frame view.

③ The View Area

Displays the selected picture in full frame.

④ Share

Tap this icon to share the current picture with others via e-mail, messaging, etc. You can also download it to your iPad camera roll.

5 **FTP**

Tap this icon to upload the current picture to the FTP server.

6 **Microphone (Z9 “C” firmware version 5.00 or later only)**

Tap  (microphone) to display a dialog to record a voice memo (🗨️ 284).

7 **Delete**

Delete the current picture from the remote camera.

Add a Voice Memo to a Picture (Z9 “C” Firmware Version 5.00 or Later Only)

Selecting a picture in the playback display to display in single-frame view will show  (microphone) to record a voice memo. You can record a voice memo with your iPad's microphone and add it to the current picture.

- A voice memo cannot be added to a protected picture.

1. Tap a picture in the thumbnail list.

The selected picture is displayed in single-frame view.



2. Tap  (microphone) in single-frame view.

Tap **[Start]** in the confirmation dialog to start recording.

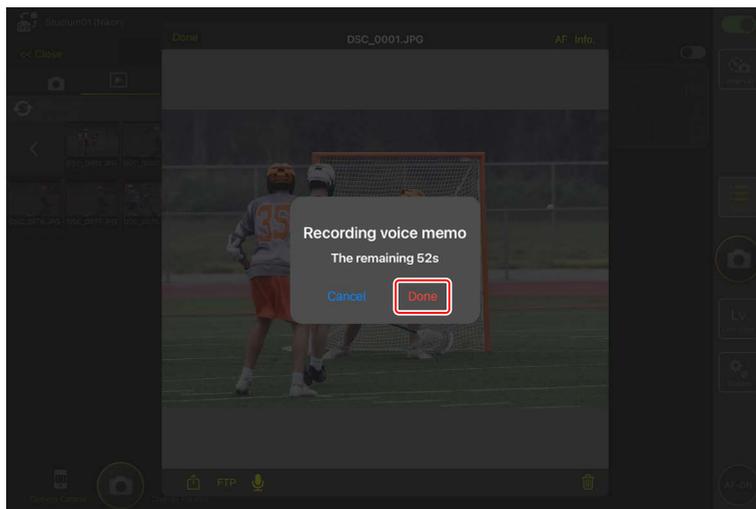
- Up to 60 seconds of a voice memo can be recorded.



3. Tap **[Done]**.

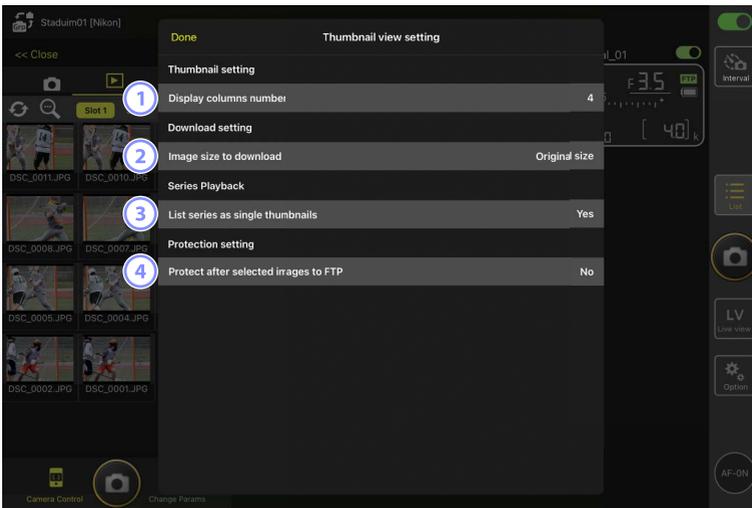
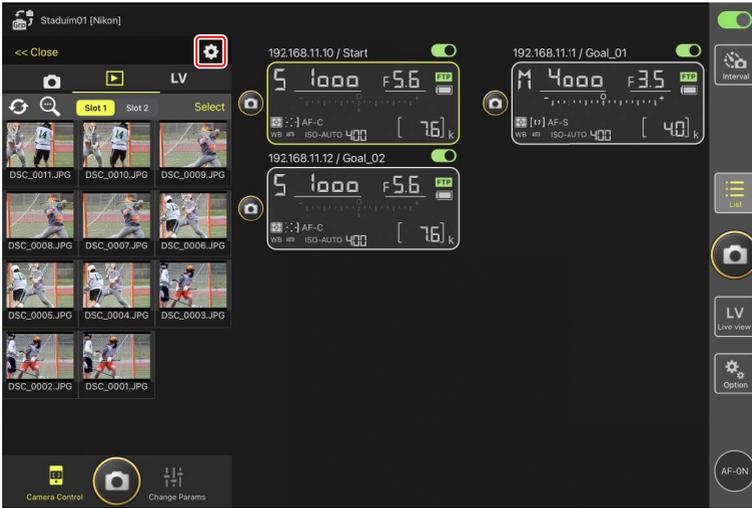
The voice memo is saved to the camera memory card.

- The voice memo is saved in the same folder and has the same file name as the current picture.



■ Adjusting Playback Display Settings

Playback options can be adjusted by tapping  (camera control options button) in the playback display.



① **[Display Columns Number]**

Choose the number of thumbnails (1 to 6) displayed in each row.

② **[Image Size to Download]**

Choose the size at which pictures will be downloaded to the iPad.

③ **[List Series as Single Thumbnails]**

Configure how the series of shots taken in burst photography are displayed.

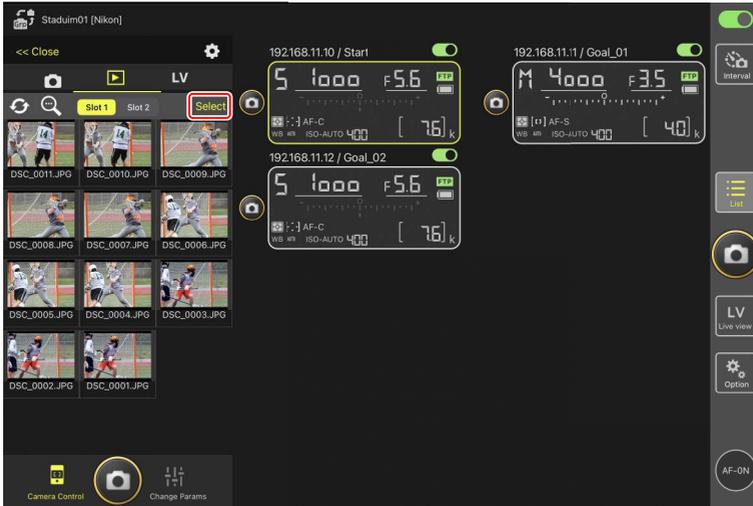
④ **[Protect After Selected Images to FTP]**

Automatically protects pictures in the camera memory card that are selected for upload via FTP in the thumbnail list.

Sharing and Downloading Pictures with an iPad

Pictures selected in the thumbnail list can be shared with others via e-mail or the like or downloaded from the remote camera to the *iPad*.

1. Tap **Select** in the thumbnail display.



2. Select pictures to share.

- Choose a single burst image to select all the pictures in the burst.



3. Tap (share button).

The selected pictures can be shared with others via e-mail, messaging, or the like. They can also be downloaded to the iPad's camera roll.



Uploading Selected Pictures via FTP

Pictures selected in the thumbnail list can be uploaded from the remote camera via FTP.

1. Tap **Select** in the thumbnail display.



2. Select pictures for upload to the FTP server.

- Choose a single burst image to select all the pictures in the burst.



3. Tap **FTP** (FTP button).

A confirmation dialog will be displayed; tap **[OK]** to upload the selected pictures to the FTP server.



✔ Upload Status

Pictures are marked with  after upload and with  while awaiting upload. You can change remote camera settings, take pictures, and use live view while upload is in progress.

- If a voice memo is added to the picture with an upload status of , the picture will be uploaded without the associated voice memo according to the queue and the same picture with the voice memo will be added to the end of the waiting queue (📖 284).

✎ Transfer Marking for Pictures After Upload

The camera displays upload marking for the most recent uploads only; the number of pictures for which upload marking is displayed varies with the camera:

- Z9, Z8, Z6III, and D6 cameras: 5000 (10,000 when two memory cards are inserted)
- D5 cameras: 1000

✎ FTP Upload Options

For information on changing FTP settings, see [Viewing and Adjusting FTP Settings in the NX Field App](#) (📖 297).

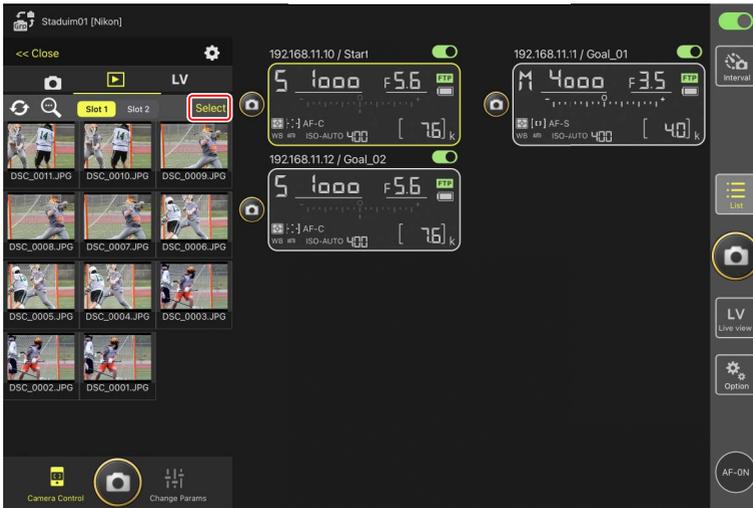
✎ Identifying Pictures Uploaded to FTP on Cameras and Computers

Tapping  (camera control options button) in the playback display and setting **[Protect after selected images to FTP]** to **[Yes]** automatically protects pictures in the camera memory card when they are selected in the thumbnail list for FTP upload. Protection status can be viewed on the camera and on computer software such as NX Studio.

Deleting Selected Pictures

Pictures selected in the thumbnail list can be deleted from the remote camera.

1. Tap **[Select]** in the thumbnail display.



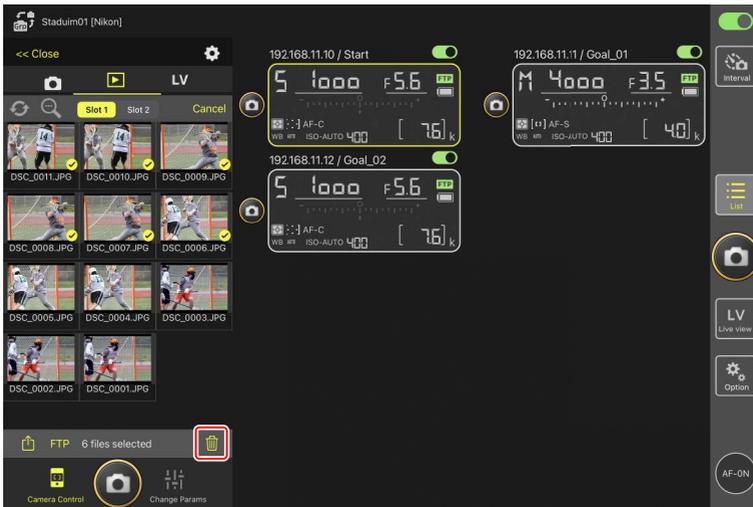
2. Select pictures for deletion.

- Choose a single burst image to select all the pictures in the burst.



3. Tap (delete button).

A confirmation dialog will be displayed; tap **[OK]** to delete the selected pictures from the remote camera.



During Deletion

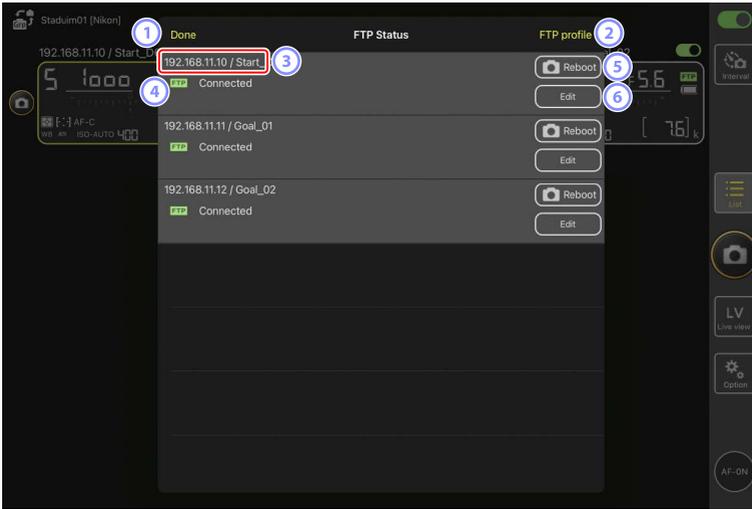
A round blue indicator is displayed during deletion. The NX Field app cannot be used while deletion is in progress.

Deleting Dual-Format Pictures

- Deleting the JPEG or HEIF copy of pictures recorded with [**Overflow**] selected in NEF (RAW) + JPEG or NEF (RAW) + HEIF mode also deletes the NEF (RAW) copy.
- If [**Backup**] was selected, only the pictures on the memory card in the current slot will be deleted. Deleting the JPEG or HEIF copy of NEF (RAW) + JPEG or NEF (RAW) + HEIF pictures also deletes the NEF (RAW) copy.
- If a dual-format option was selected, only the pictures on the memory card in the current slot will be deleted.

Viewing and Adjusting FTP Settings in the NX Field App

The NX Field app can be used to view and adjust the FTP settings for the cameras in the remote camera list. Go to  (options) > **[FTP Status]** to view FTP status.



① **[Done]**

Save any changes and exit the FTP settings display.

② **[FTP Profile]**

View existing FTP profiles ( 306) and your FTP connection history ( 302).

③ **IP Address/Remote Camera Name**

The IP address and name of the remote camera.

④ **Connection Status**

The status of the connection between the remote camera and the FTP server.

- The  (FTP) icon in the remote camera info area will be displayed in red if an FTP error occurs.

5 Reboot

Reboots the remote camera's network connection.

✓ Rebooting Connections

- Re-establishing the remote camera's network connection after a reboot takes about 30 seconds.
- Tap **[Reboot]** to recover from a server malfunction or disconnected Ethernet cable if the remote camera shows an error even after the FTP server has been restored.

6 Edit

Directly edit remote camera FTP profiles (📖 299) or choose profiles from a list (📖 306).

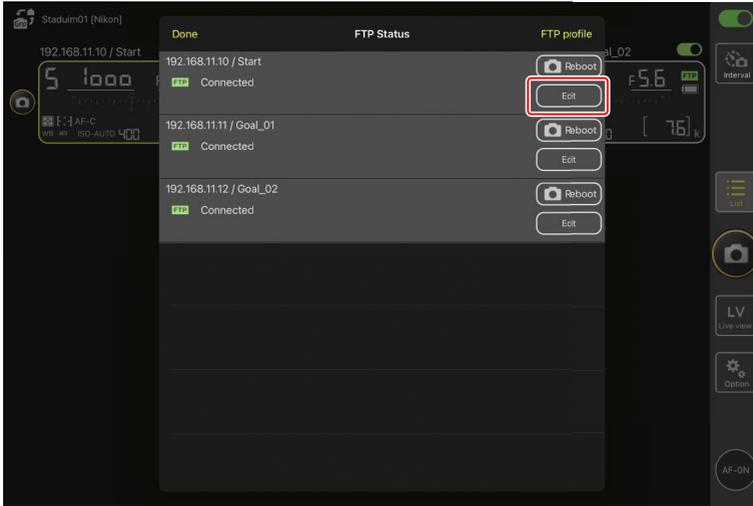
✓ FTP Server Down

If the FTP server goes down while upload is in progress, the connection between the NX Field app and the remote cameras may become erratic and subsequently be lost. To reconnect, wait a few minutes before restoring the connection switch to the  (on) position.

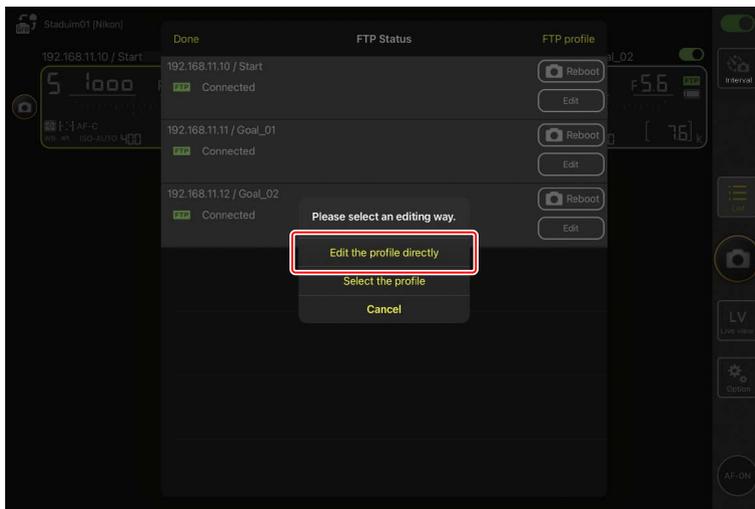
Editing Remote Camera FTP Profiles Directly

Edit the current FTP profile to choose a different destination. You may need to do this when, for example, the FTP server is temporarily down.

1. Tap  (edit button) for the desired remote camera in the FTP status display.
 - This option is available only with cameras listed as **[Connected]**.



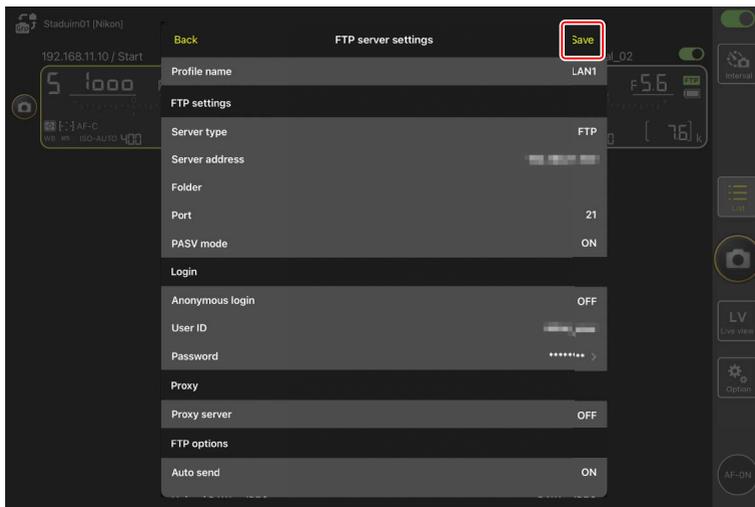
2. Tap [Edit the profile directly].



3. Edit the IP address, port number, and other FTP profile settings and tap [Save].

The remote camera will reboot the connection as it updates the FTP profile.

- If the connection is a success, [**Connected**] will appear in the FTP status display.



 **Selecting the Type of Pictures to Be Uploaded to FTP (Z9, Z8 (“C” Firmware Version 2.10 or Later), and Z6III Cameras Only)**.....

After selecting **[ON]** for **[FTP options]** > **[Auto send]**, you can select the type of pictures for FTP upload for the following upload settings:

- **[Upload RAW + JPEG as]** (Z9)
- **[Upload RAW + JPEG as (Overflow/backup)]** (Z8, Z6III)
- **[Upload RAW + JPEG as (RAW primary - JPEG secondary)]** (Z8, Z6III)
- **[Upload RAW + HEIF as (Overflow/backup)]** (Z8, Z6III)
- **[Upload RAW + HEIF as (RAW primary - HEIF secondary)]** (Z8, Z6III)

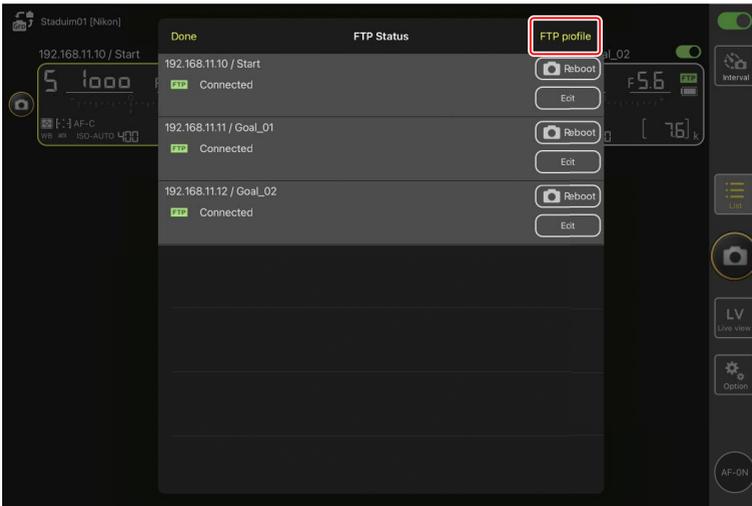
Adding FTP Profiles

You can add profiles from the connection history or enter new profiles directly and add them to the list. The FTP profiles in the list can be used to choose the destination for pictures uploaded from remote cameras.

■ Adding Profiles from the Connection History

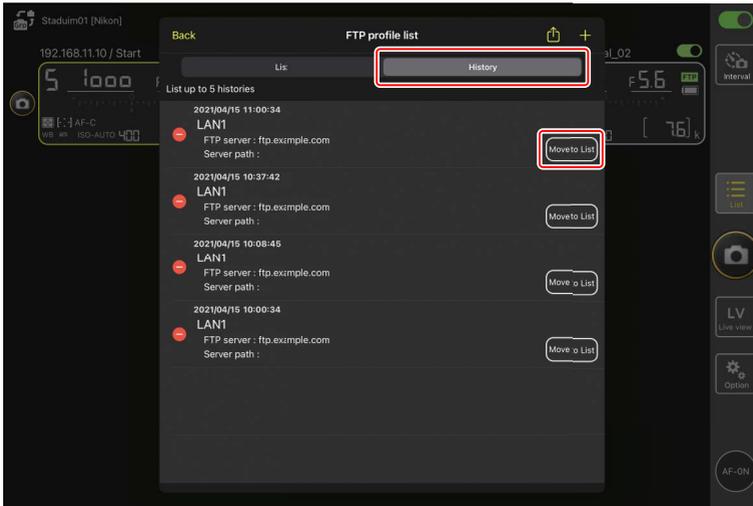
Select profiles in the connection history and add them to the list.

1. Tap **[FTP profile]** in the FTP status display.



2. Tap **[History]** and then tap **[Move to List]** (move to list button) for the desired FTP profile in the connection history.

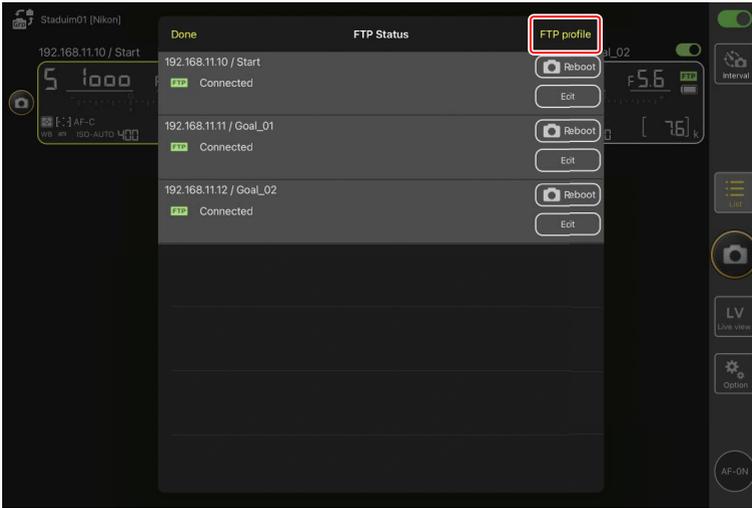
The selected FTP profile will be added to the list and can be used for subsequent connections.



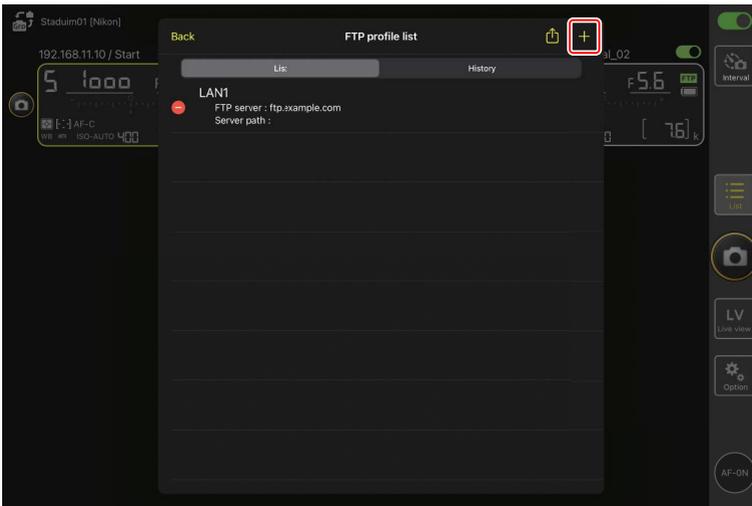
■ Entering FTP Profiles Directly

Enter an FTP server profile and add it to the FTP profile list.

1. Tap **[FTP profile]** in the FTP status display.



2. Tap **+**.



3. Enter the desired settings and tap **[Save]**.

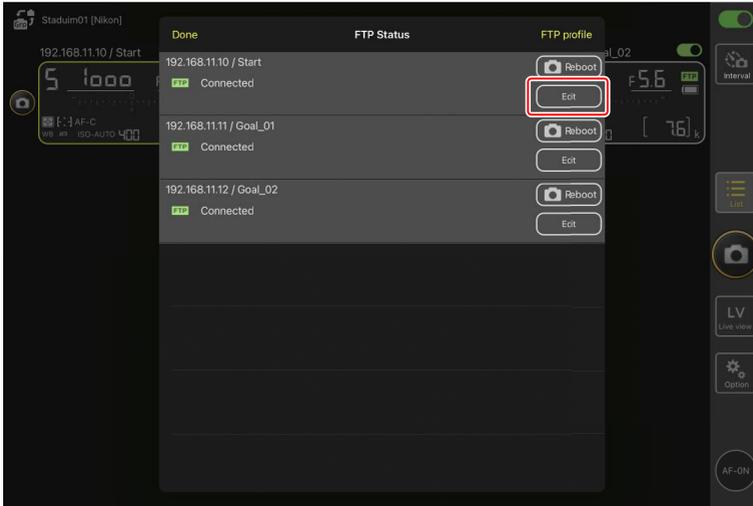
The new FTP profile will be added to the list and can be used for subsequent connections.



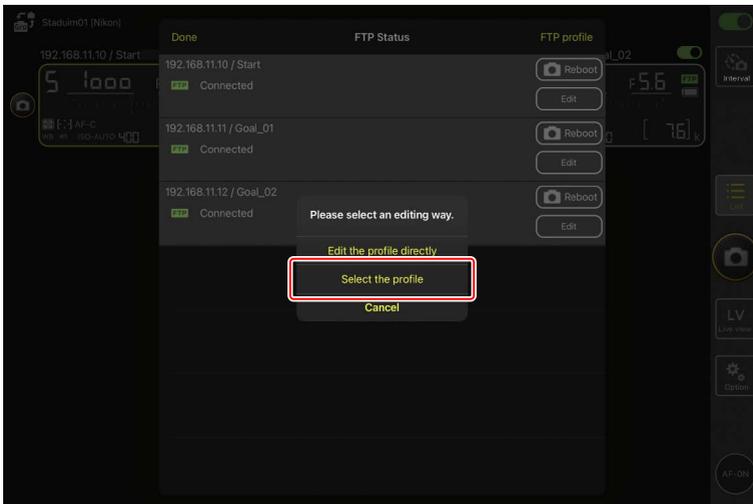
■ Selecting Destinations from the FTP Profile List

The FTP profiles in the list can be used to choose the destination for pictures uploaded from remote cameras.

1. Tap  (edit button) for the desired remote camera in the FTP status display.



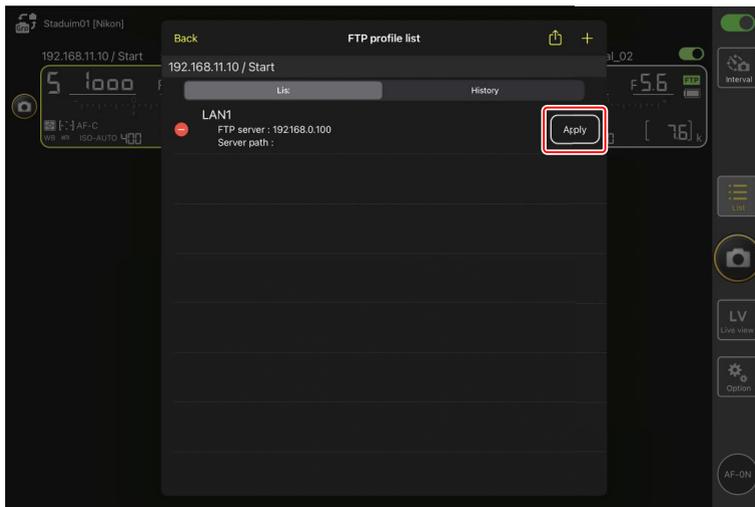
2. Tap **[Select the profile]**.



3. Tap  (apply button) for the desired FTP profile.

The remote camera will reboot the connection as it updates the FTP profile.

- If the connection is a success, [**Connected**] will appear in the FTP status display.



☑ Caution: Choosing FTP Profiles

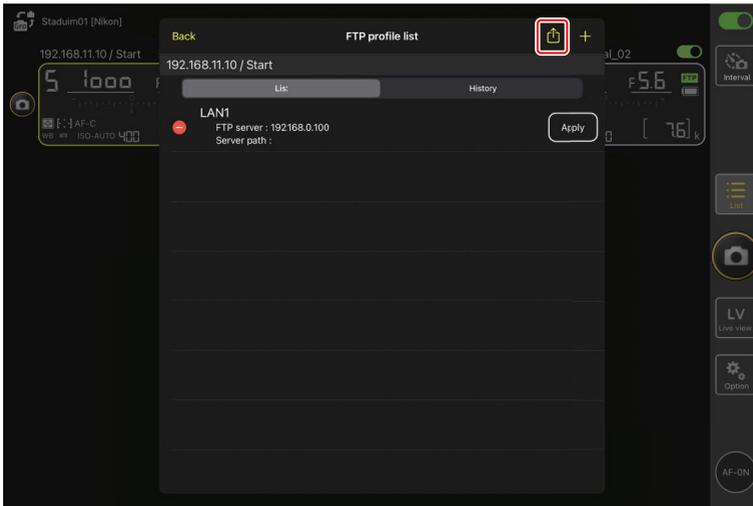
FTP profiles containing settings for FTPS or other features available only with specific cameras or camera firmware can be selected only if the features are supported by the camera in question.

Copying Remote Camera FTP Profiles to Other iPhones or iPads

Remote camera FTP profiles can be copied to the NX Field apps on other iPhones or iPads.

In the FTP profile list, tap  (share button) and select a sharing method and destination.

Tap **[OK]** in the confirmation dialogs displayed on the source and destination devices to complete the operation.

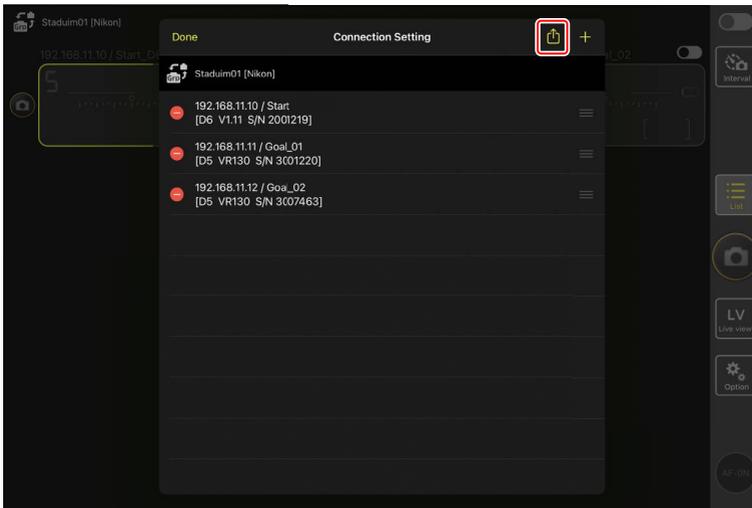


Copying Connection Settings for All Remote Cameras to Other iPhones or iPads

The IP addresses and camera names for remote cameras with display names saved in the NX Field app (📖 64) can be copied to the NX Field apps on other iPhones or iPads.

Go to  (options) > [**Camera Connection**], tap  (share button), and then select a sharing method and destination.

Tap [**OK**] in the confirmation dialogs displayed on the source and destination devices to copy the IP addresses and camera names for all remote cameras with the current display name on the source device to the NX Field app on the destination device.

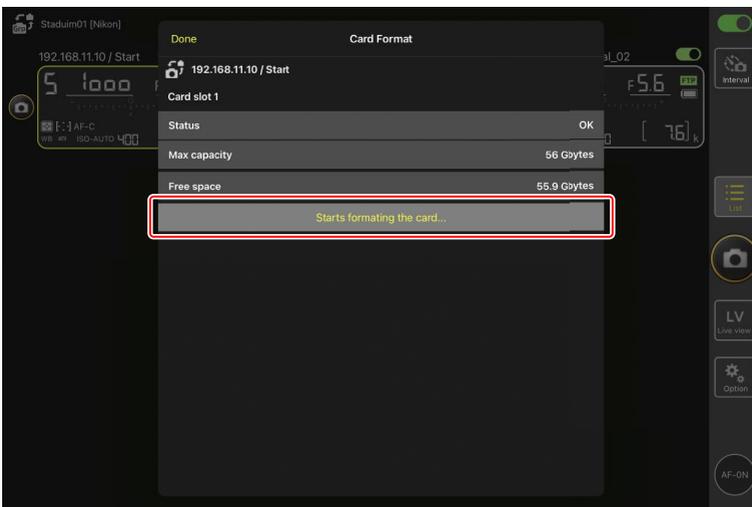


Formatting Remote Camera Memory Cards with the NX Field App

To format memory cards inserted in remote cameras, go to  (options) and select **[Card Format]**.



Highlight the slot containing the memory card and tap **[Starts formatting the card...]**. A confirmation dialog will be displayed; tap **[OK]** to format the memory card.



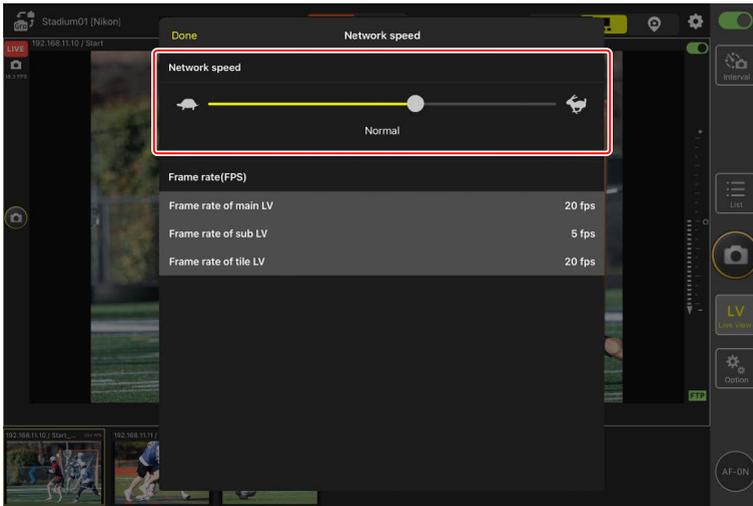
Upload Speed and Frame Rate

Lowering the upload speed and live view frame rate can help make NX Field more responsive when the network is slow.

Choosing an Upload Speed

Upload speed can be adjusted by going to  (options), selecting [**Option**] > [**Network speed**], and using the slider.

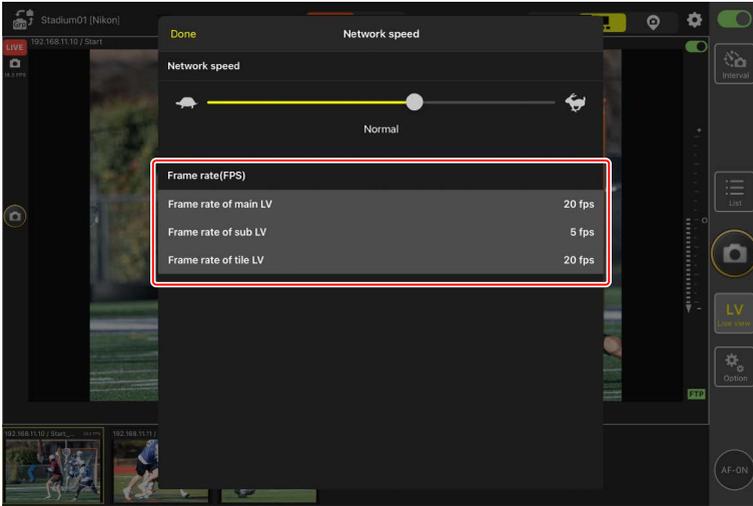
- Tap [**Done**] to save changes.



Choosing a Frame Rate for Live View

To choose a frame rate for the live view display, go to  (options), select **[Option]** > **[Network speed]**, and tap the desired view (main, secondary, or tiled).

- Choose from values of from 1 through 30 fps. Choosing slow frame rates when the app is sluggish can help make it more responsive.
- Tap **[Done]** to save changes.



Live View Options

Frame rate can also be adjusted from the live view options dialog ( 230).

Using Wake-on-LAN to Activate the Standby Timers on Remote Cameras (D6 Only)

The D6 supports the NX Field app's Wake-on-LAN (WOL) feature, used to activate the standby timers on remote cameras. To use WOL, you will need to supply the NX Field app with the remote camera's MAC address.

Camera Connection

End the connection to the remote camera before making changes to **[Camera Connection]**.

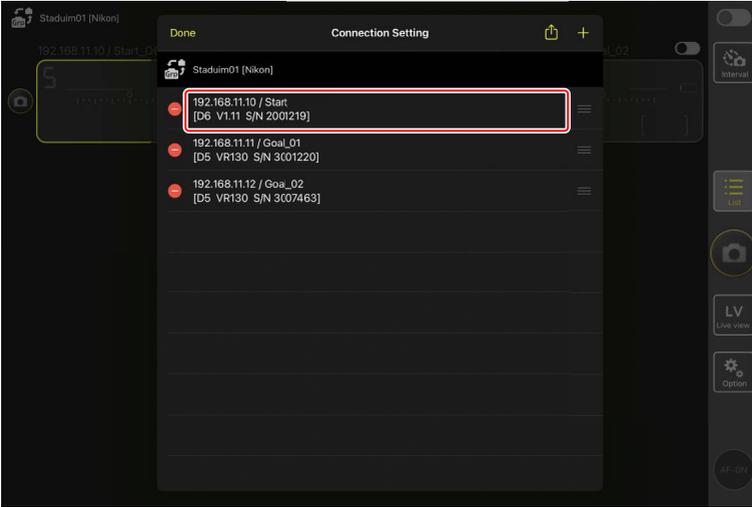
Entering MAC Addresses for Remote Cameras

Entering the remote camera's MAC address enables WOL.

1. Select **[Camera Connection]** under  (options).

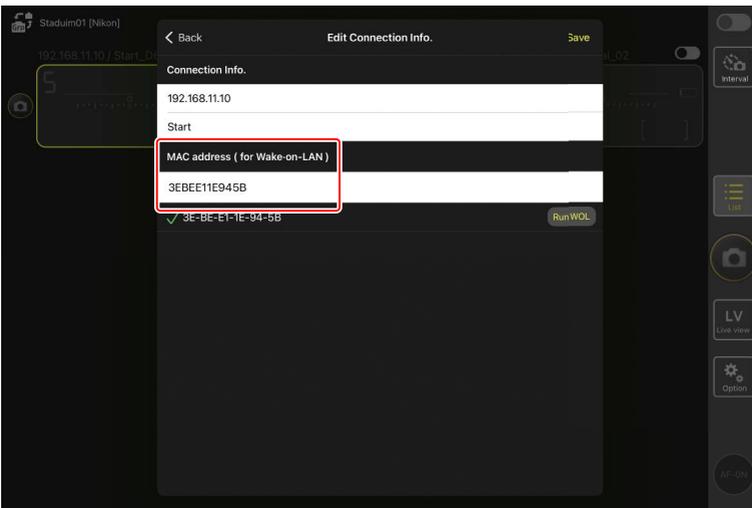


2. Tap the connection information for a remote D6 camera to be configured for use with WOL.



3. Enter an MAC address and tap **[Save]**.

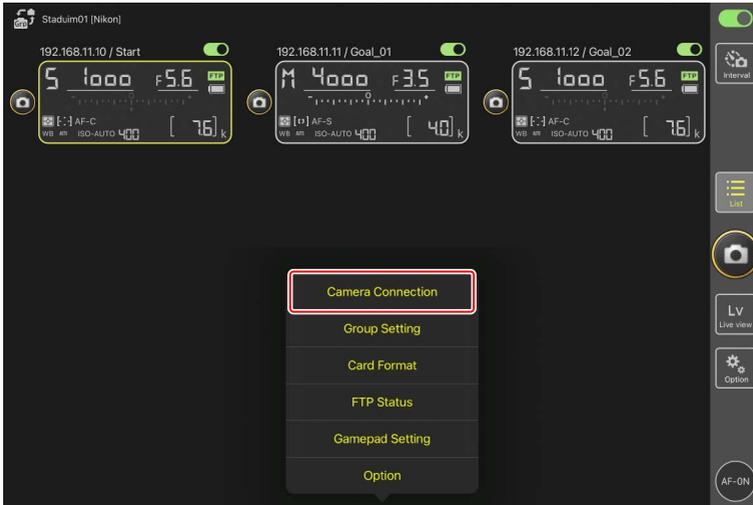
The remote camera's MAC address can be viewed by selecting **[Wired LAN/WT] > [Options] > [MAC address]** in the camera setup menu. You do not need to enter the hypens.



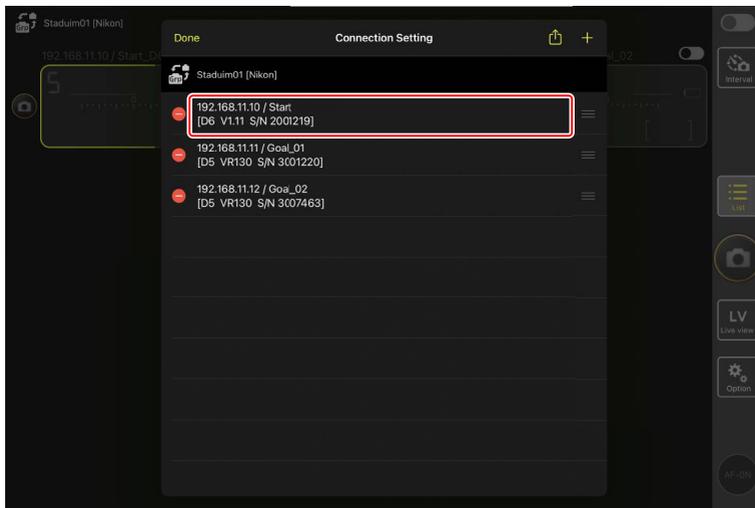
Using WOL to Activate the Standby Timers on Remote Cameras

Run WOL to activate the standby timers on remote cameras.

1. Select [**Camera Connection**] under  (options).

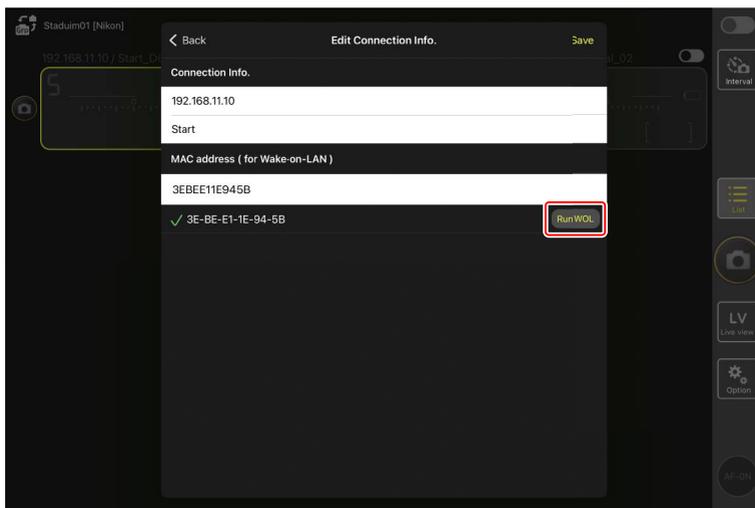


2. Tap the connection information for a remote D6 camera to be configured for use with WOL.



3. Tap **Run WOL** (run WOL button).

A confirmation dialog will be displayed; tap **[OK]** to activate the standby timer on the remote camera.



☑ **Cautions: Using WOL**

- Consult the network administrator for information on WOL support.
- Given that it takes about 30 seconds to re-establish the network connection after the standby timer restarts, we recommend selecting settings of 10 or 30 minutes for [**Standby timer**] in the camera menus.
- Be sure the remote camera is on.

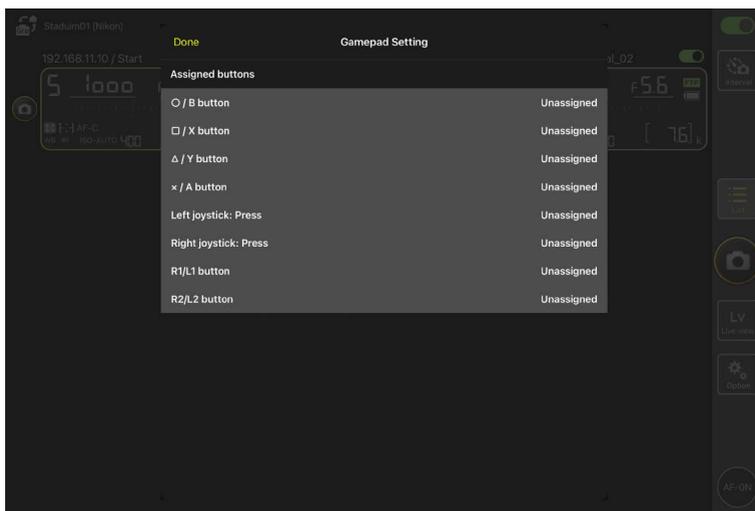
📝 **Using WOL to Start the Standby Timer**

WOL can only be used to start the standby timer if both the remote camera and the iPhone or iPad are on the same network. WOL may not function if the devices are on different networks connected via a router.

Operate Remote Cameras Connected to an iPad via a Gamepad

To use a gamepad to release shutters on remote cameras connected to an iPad, go to  (options) and select [**Gamepad Setting**].

- The following functions can be assigned to buttons on the gamepad:
 - [**Shooting all cameras**]: Release the shutters on all connected remote cameras.
 - [**Shooting selected camera**]: Release the shutter on a connected remote camera selected from the list.
 - [**Shooting Button (multi-camera)**]: Release the shutter on all remote cameras in the same shooting group ( 239).
- For instructions on how to connect the gamepad to the iPad, refer to the documentation provided with the gamepad.



Other Options

To access such settings as connection time-outs and notification levels, go to (options) and select [**Option**].



Item	Sub-item	Description
Misc settings	Sets date & time by local time	Choose whether to synchronize the clocks on the remote cameras with the iPad.
	Connection timeout	Choose how long the app will continue to attempt connection when there is no response from the remote camera. An error will occur if a connection cannot be made in the time selected.
	Enable the shooting menu bank (📖 276)	Choose whether to enable shooting menu bank selection.

Item	Sub-item	Description
Warning notification	Enable notification	Choose whether notifications are displayed.
	Number of exposures remaining	A warning will be displayed if the space remaining on the memory card in the remote camera falls below this limit.
	Recordable time (minute)	A warning will be displayed if the recording time available falls below this limit.
	Battery level	A warning will be displayed if the battery in the remote camera falls below this limit. If "1%" is selected, the connection to the remote camera may be lost before the warning can be displayed.
Network speed	Network speed	Choose an upload speed.
	Frame rate (FPS) (📖 312)	Choose a frame rate for the live view display.
AF-On button setting	Button behavior	<p>Choose how  (AF-ON button) behaves.</p> <ul style="list-style-type: none"> • [Push type]: The camera focuses while  (AF-ON button) is held. • [Toggle type]: Focus starts when you tap  (AF-ON button) and continues until you tap the button a second time.

Item	Sub-item	Description
Video setting	Confirmation to stop recording	Choose whether a confirmation dialog will be displayed when recording is ended.
Wake-on-LAN (D6 only)	Run Wake-on-LAN to cameras (📖 313)	Choose whether to run WOL.
Save camera settings	—	Save current settings to the camera.
Reboot camera	Reboot all cameras (📖 279)	Reboot all connected remote cameras.
Shooting Button (multi-camera) setting	Shooting Button	Select an action taken when tapping  (shutter-release button).
Information	Version	View version information.
	License information	View license information.
	Privacy policy	View the privacy policy.
	Support	Open your web browser to the customer support website.

Using the NX Field System: Z7II, Z6II, Z7, and Z6 Cameras

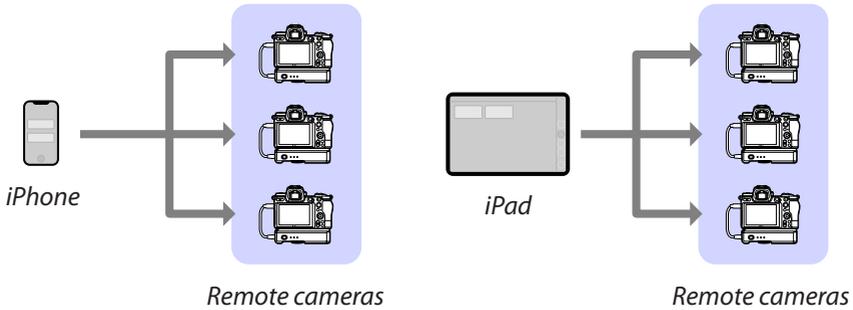
The NX Field system lets you operate cameras remotely from an iPhone or iPad running the NX Field app (📖 325). Before it can be used with the NX Field system, the camera will need a fee-for-service update from a Nikon-authorized service representative to install compatible firmware (📖 327).

☑ **Supported Cameras**

- Cameras for use with the NX Field system must be configured for connection by means of dedicated (Windows) computer software.
- WT-7 wireless transmitters must be connected to cameras for use with the NX Field system. Although the NX Field system can connect to wireless networks via the WT-7, Ethernet networks are a better choice as they ensure reliable remote camera control unaffected by variations in signal strength. To reconnect after losing a wireless connection due to signal interruption or the like, wait for the network to restart and then turn the camera off and on.

What the NX Field System Can Do for You

The NX Field system lets you take pictures using multiple remote cameras controlled from an iPhone or iPad.



[Taking Pictures Remotely with an iPhone](#) (📖 335)

[Taking Pictures Remotely with an iPad](#) (📖 336)

☑ Networks

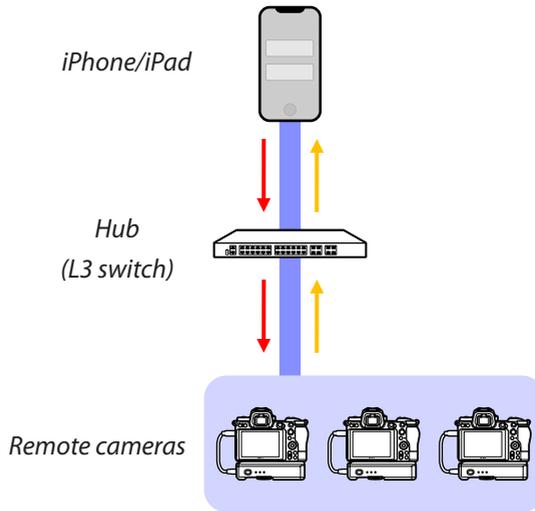
- The iPhone or iPad must be on the same local network as the remote cameras.
- Once a connection has been established between the remote cameras and an iPhone or iPad, attempting to establish a second such connection will terminate the first connection without establishing a connection to the second device. End the connection to the current device before attempting to connect another iPhone or iPad.

✎ Mixing Cameras of Different Types

iPhones and iPads can be used to release the shutters on remote cameras in groups that include a mix of different camera types.

The NX Field App

The NX Field app runs on iPhones and iPads. It can be used to control—and issue release commands to—multiple remote cameras on the same local network.



→ Remote release commands/remote setup

→ Remote release/remote camera status

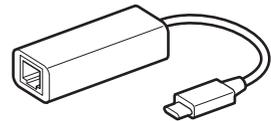
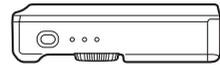
☑ How the iPhone and iPad Apps Differ

Apart from some features available only in the iPad version, such as support for multiple live-view displays (📖 211) and “skins” for mapping the locations of remote cameras (📖 226), the iPhone and iPad versions of the app are basically identical.

What You'll Need

When using the NX Field app, you'll need:

- Z7II, Z6II, Z7, or Z6 cameras that
 - have the NX Field firmware update installed and
 - are configured for connection using a Windows computer,
- a WT-7 wireless transmitter,
- an iPhone or iPad with the NX Field app installed,
- a USB Type-C to Ethernet adapter or a Lightning to Ethernet adapter (for connecting to Ethernet networks), and



other network peripherals as required given the connection type.

Configuring Your Devices for the NX Field System

Configure the cameras and iPhone or iPad for use with the NX Field system.

Updating the Camera Firmware to a Version Compatible with NX Field

The camera firmware must be updated to a version that supports NX Field. Updates can be performed by a Nikon-authorized service representative (a fee is charged for this service).

Configuring Cameras for Connection Using a Computer

Connection profiles configuring remote cameras for use with the NX Field System can be created using Pairing Tool for NX Field software for Windows computers.

- The Pairing Tool for NX Field is available for download from the website below. You can also view the system requirements and latest information for NX Field. <https://downloadcenter.nikonimglib.com/>
- Pairing Tool for NX Field is not compatible with macOS.

■ Creating a Connection Profile

Follow the steps below to create a new connection profile.

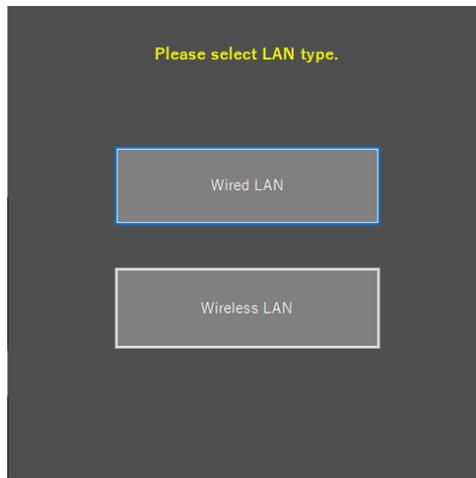
1. Turn on the remote camera.

Why Turn the Camera On?

Although the computer will detect the camera even when the latter is off, the configuration process can only be completed if the camera is connected while on.

2. Connect the camera to the computer using the USB cable supplied with the camera.
3. Extract the contents of the Pairing Tool for NX Field archive and double-click the "Pairing Tool for NX Field.exe" icon.

A splash screen will be displayed, followed by a dialog prompting you to choose the LAN type.

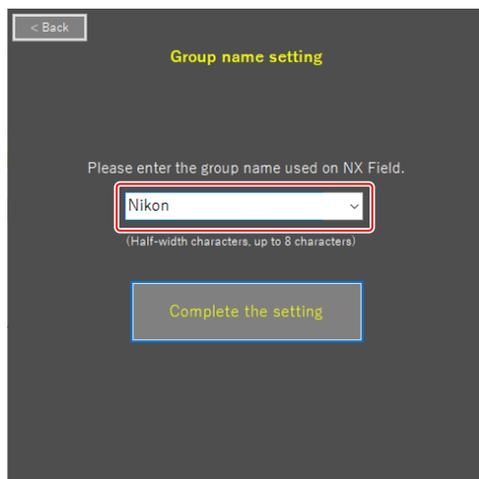


4. Select [**Wired LAN**] > [**Create new profile**] and choose [**Fixed IP address**] when prompted.

The screenshot shows a dark-themed interface titled "IP address setting [Wired LAN]". At the top left is a "< Back" button. Below the title are two radio button options: "DHCP (Automatically IP address)" and "Fixed IP address". The "Fixed IP address" option is selected and highlighted with a red rectangular box. Below these options are four rows of input fields, each with four segments separated by dots. The rows are labeled "IP address", "Subnet mask", "Default GW", and "DNS server". The "Default GW" and "DNS server" rows have a small square checkbox to their left, which is currently unchecked. At the bottom center is a "Next" button.

- Although NX Field does support [**DHCP (Automatically IP address)**], a fixed IP address is recommended as otherwise you will have to update the NX Field app whenever the IP address changes, for example on reconnecting to the network or when the DHCP lease expires.
 - Complete the [**Default GW**] and [**DNS server**] fields if required.
5. Enter the remote camera IP address and subnet mask.
 - Ignore leading zeros when supplying the IP address—for example, enter "1" in place of a segment entered on the camera as "001".
 6. Click [**Next**].

7. Enter a **[Group name]** for use in NX Field.



- See [Getting Ready: iPhones](#) (📖 41) and [Getting Ready: iPads](#) (📖 52) for information on adjusting connection settings for iPhones and iPads, respectively.

8. Click **[Complete the setting]**.

The new profile will be saved under **[Wireless transmitter (WT-7)]** > **[Network settings]** in the camera setup menu and the Pairing Tool for NX Field will exit.

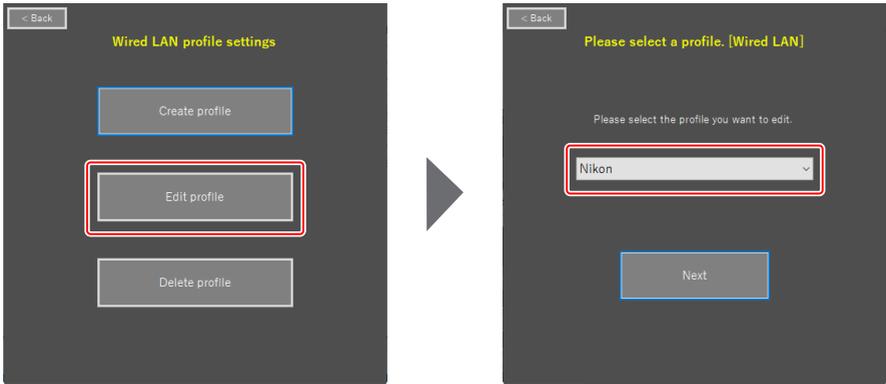
- The profile will be named using the group name chosen in Step 7.

🔧 Restoring Profiles After Resetting Camera Settings

Selecting **[Reset all settings]** in the camera setup menu resets the settings for profiles created using the Pairing Tool for NX Field to default values. The previous settings must be restored manually.

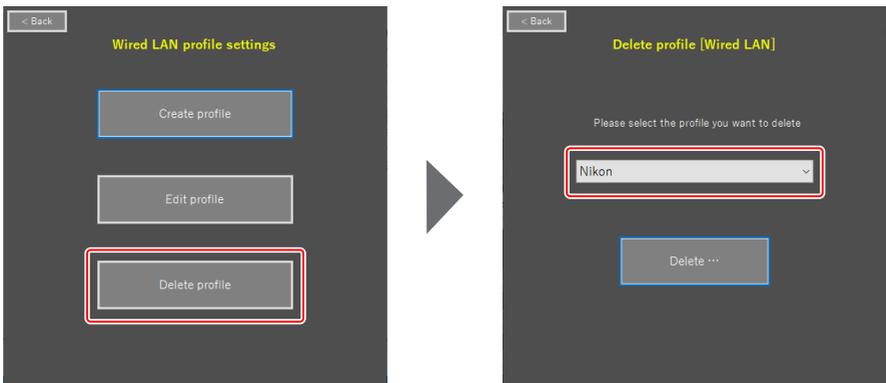
■ Editing Connection Profiles

To edit an existing profile, click [**Edit profile**] in the dialog displayed after you selected [**Wired LAN**] and choose a profile when prompted.



■ Deleting Connection Profiles

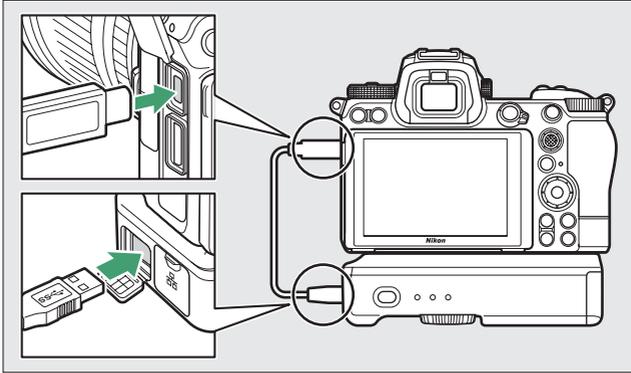
To delete an existing profile, click [**Delete profile**] in the dialog displayed after you selected [**Wired LAN**] and choose a profile when prompted.



Configuring Cameras for Use with the NX Field App

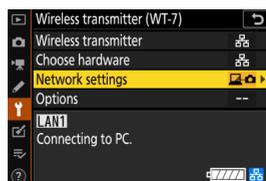
Configure the camera so that it can be detected by the NX Field app using the profile created in the Pairing Tool for NX Field.

1. Connect the camera to the WT-7 using the USB cable supplied with the camera.



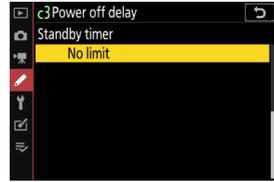
- For information on connecting to networks using a WT-7 wireless transmitter, see the documentation supplied with the WT-7.
2. Connect the WT-7 via Ethernet to the same network as the iPhone or iPad running NX Field.
 - Although the WT-7 does support wireless connections, we recommend that the connection be made via Ethernet, as this ensures reliable remote camera control unaffected by variations in signal strength.

3. Turn the WT-7 on.
4. Adjust settings as required using the [**Wireless transmitter (WT-7)**] item in the camera setup menu.
 - Adjust settings as follows:
 - [**Wireless transmitter**]: [**Use**]
 - [**Choose hardware**]: [**Wired LAN**]
 - [**Networks settings**]: Choose the profile (group name) you selected on the computer.
 - The NX Field app will be able to detect the camera when [**Connecting to PC**] appears in the setup menu [**Wireless transmitter (WT-7)**] display.



The Standby Timer

The NX Field app will end live view if the shooting displays on the remote cameras turn off. Select **[No limit]** for Custom Setting c3 **[Power off delay]** > **[Standby timer]**.



The Photo/Movie Selector

Rotate the photo/movie selectors on remote cameras to  when taking photographs via the NX Field app. Some features are not available when  is selected.

Remote camera settings have now been adjusted for use with the NX Field app. See [Getting Ready: iPhones](#) (📖 41) or [Getting Ready: iPads](#) (📖 52) for information on readying your iPhone or iPad. Once preparation is complete, proceed to any of the following sections according to the task at hand:

[Taking Pictures Remotely with an iPhone](#) (📖 335)

[Taking Pictures Remotely with an iPad](#) (📖 336)

Taking Pictures Remotely with an iPhone

iPhones running the NX Field app can be used to adjust settings or release the shutters on remote cameras.

- The NX Field app does not support FTP upload from, or shooting menu bank selection for, the Z7II, Z6II, Z7, or Z6.

Taking Pictures with the NX Field App

- For information on the buttons and icons in the NX Field app, see [NX Field App Displays](#) (📖 81).
- For information on taking pictures with the NX Field app, see [Taking Pictures with the NX Field App](#) (📖 91).
- For information on adjusting focus and other remote camera settings from the NX Field app, see [Adjusting Remote Camera Settings from the NX Field App](#) (📖 119).

Viewing Pictures with the NX Field App

- For information on viewing, sharing, and saving pictures with the NX Field app, see [Viewing Pictures with the NX Field App](#) (📖 135).

Other Features

- For information on copying remote camera settings from NX Field to other iPhones or iPads, see [Copying Connection Settings for All Remote Cameras to Other iPhones or iPads](#) (📖 161).
- For information on formatting remote camera memory cards with the NX Field app, see [Formatting Remote Camera Memory Cards with the NX Field App](#) (📖 162).
- For information on advanced options, including connection time-outs and notification levels, see [Other Options](#) (📖 171).

Taking Pictures Remotely with an iPad

iPads running the NX Field app can be used to adjust settings or release the shutters on remote cameras.

- The NX Field app does not support FTP upload from, or shooting menu bank selection for, the Z7II, Z6II, Z7, or Z6.

Taking Pictures with the NX Field App

- For information on the buttons and icons in the NX Field app, see [NX Field App Displays](#) (📖 174).
- For information on taking pictures with the NX Field app, see [Taking Pictures with the NX Field App](#) (📖 192).
- For information on adjusting focus and other remote camera settings from the NX Field app, see [Adjusting Remote Camera Settings from the NX Field App](#) (📖 260).

Viewing Pictures with the NX Field App

- For information on viewing, sharing, and saving pictures with the NX Field app, see [Viewing Pictures with the NX Field App](#) (📖 280).

Other Features

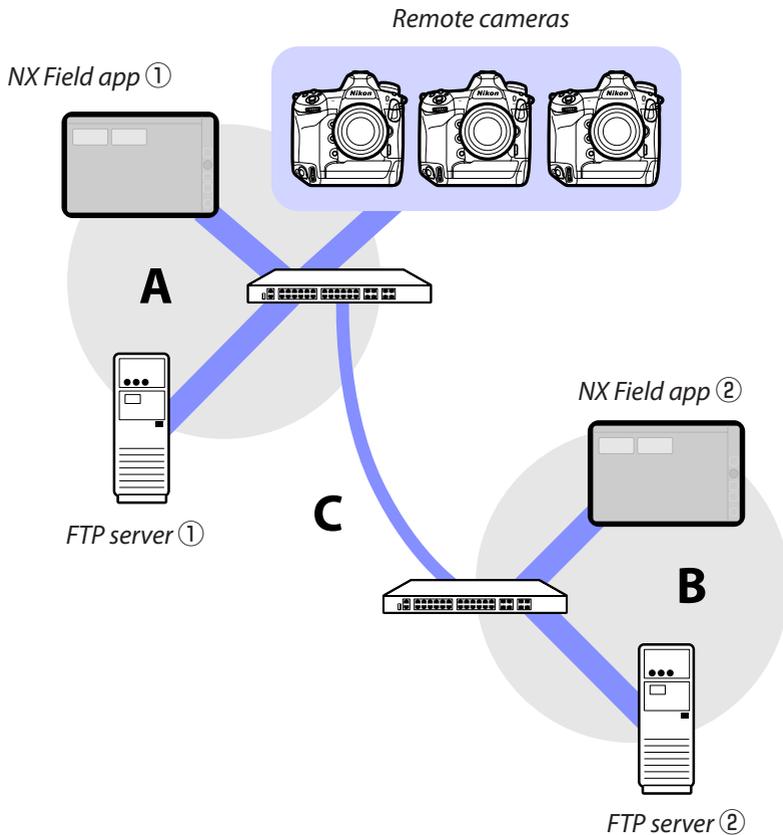
- For information on copying remote camera settings from NX Field to other iPhones or iPads, see [Copying Connection Settings for All Remote Cameras to Other iPhones or iPads](#) (📖 309).
- For information on formatting remote camera memory cards with the NX Field app, see [Formatting Remote Camera Memory Cards with the NX Field App](#) (📖 310).
- For information on advanced options, including connection time-outs and notification levels, see [Other Options](#) (📖 320).

Technical Notes

Recommended Auto Upload Settings for Different Network Bandwidths

Z9, Z8, Z6III, D6, and D5 Cameras

As is shown in the figure below, the suggested environments for auto upload vary with bandwidth and the connection between the iOS/iPadOS device and the FTP server.



If the remote cameras, FTP server, and NX Field app are all on the same network (Network A):

Effective speed within Network A	LV photography	List photography
100 Mbps	✓ ^{1,2}	✓
1 Gbps	✓	✓

If the FTP server and/or NX Field app are not on the same network as the remote cameras (Network A):

Effective speed within Network A	Effective speed within Network B	Effective speed between hubs (C)	LV photography	List photography
100 Mbps		< 50 Mbps	— ¹	✓ ^{1,2}
		100 Mbps	✓ ^{1,2}	✓ ^{1,2}
1 Gbps			✓	✓

1. Using auto upload affects the reliability of the app.
2. Auto upload from three or more cameras, or remote control of three or more cameras during upload, is not recommended (each camera requires 50 Mbps of bandwidth).

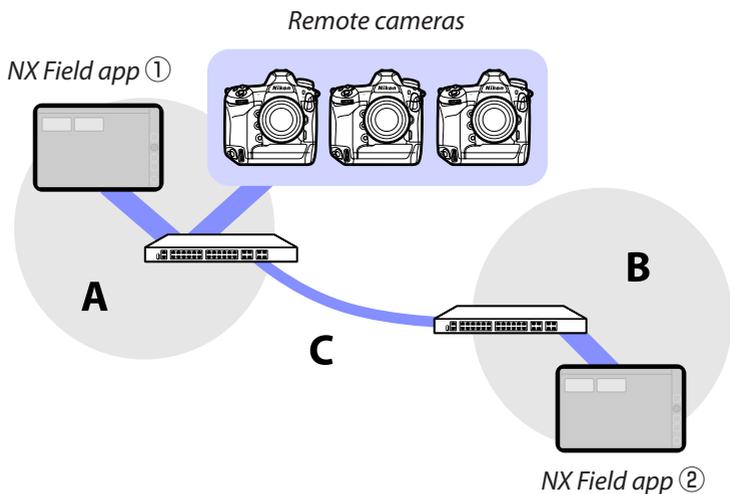
■ Caution: Uploading Pictures to an FTP Server

If multiple pictures with the same name are uploaded to a single folder from the master and remote cameras, the pictures may, depending on the performance of the FTP server, be damaged or lost. This can be prevented by using a high-performance FTP server or by adjusting settings as follows:

- Assign each camera a unique three-character file-naming prefix using the **[File naming]** item in the camera photo shooting menu.
- Create a separate destination folder for each camera (📖 21).

Z7II, Z6II, Z7, and Z6 Cameras

As is shown in the figure below, the suggested network environment varies with bandwidth and the connection between the cameras and the iOS/iPadOS device.



If the NX Field app is on the same network as the remote cameras (Network A):

Effective speed within Network A	LV photography	List photography
100 Mbps	✓	✓
1 Gbps	✓	✓

If the NX Field app is not on the same network as the remote cameras (Network A):

Effective speed within Network A	Effective speed within Network B	Effective speed between hubs (C)	LV photography	List photography
100 Mbps		< 50 Mbps	—	✓
		100 Mbps	✓	✓
1 Gbps			✓	✓

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