

NX Field Quick Setup Guide

• Read this document thoroughly before using the product.

· After reading this document, keep it readily accessible for future reference.

Table of Contents

Introduction	4
The NX Field System	4
What the NX Field System Can Do for You	4
The NX Field System	6
About This Guide	8
Readying a Z 9 for Use with the NX Field System.	9
Connecting Z 9 Cameras to FTP Servers	9
Enabling NX Field Settings on Z 9 Cameras.	13
Readying the Z 9 for Connection to the NX Field System.	13
Choosing a Group Name	14
Configuring the Standby Timer	14
Configuring Z 9 Cameras for the Master and Remote Roles.	15
Configuring Cameras for Use in the Master Role.	15
Configuring Cameras for Use in the Remote Role.	19
Readying a D6 for Use with the NX Field System	21
Connecting D6 Cameras to FTP Servers.	21
Enabling NX Field Settings on D6 Cameras	
Enabling NX Field Settings on D6 Cameras Readying the D6 for Connection to the NX Field System	26
	26 26
Readying the D6 for Connection to the NX Field System	26 26
Readying the D6 for Connection to the NX Field System.	26 26 27 27
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer.	26 26 27 27 28
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles.	26 26 27 27 28 28
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role.	26 26 27 27 28 28 31
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role. Configuring Cameras for Use in the Remote Role.	26 27 27 28 28 31 33
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role. Configuring Cameras for Use in the Remote Role. Readying a D5 for Use with the NX Field System.	26 27 27 28 31 33 33
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role. Configuring Cameras for Use in the Remote Role. Readying a D5 for Use with the NX Field System. Connecting D5 Cameras to FTP Servers.	26 27 27 28 31 33 38
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role. Configuring Cameras for Use in the Remote Role. Readying a D5 for Use with the NX Field System. Connecting D5 Cameras to FTP Servers. Enabling NX Field Settings on D5 Cameras.	26 27 27 28 31 33 33 38 38
Readying the D6 for Connection to the NX Field System. Choosing a Group Name. Configuring the Standby Timer. Configuring D6 Cameras for the Master and Remote Roles. Configuring Cameras for Use in the Master Role. Configuring Cameras for Use in the Remote Role. Readying a D5 for Use with the NX Field System. Connecting D5 Cameras to FTP Servers. Enabling NX Field Settings on D5 Cameras. Readying the D5 for Connection to the NX Field System.	26 27 27 28 31 33 33 38 38 38 39

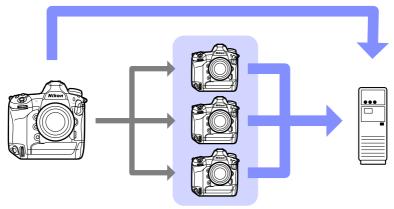
Configuring Cameras for Use in the Master Role	40
Configuring Cameras for Use in the Remote Role.	43
Readying an iPhone/iPad for Use with the NX Field System.	45
Connection Settings: iPhone.	45
Ethernet Settings	45
Choosing a Group Name	47
Adding Cameras to the Remote Camera List	48
Connection Settings: iPad	49
Ethernet Settings	49
Choosing a Group Name	53
Adding Cameras to the Remote Camera List	55
NX Field Tips and Tricks	57
Using a Button to Switch Between Remote, Master, or Synchronized Release.	57
The Z 9	57
The D6 and D5	59
Transferring Control to Other Master Cameras (Z 9 Only).	61
Troubleshooting Remote Camera Connections.	62
Incorrect IP Addresses.	62
Duplicate IP Addresses.	62
Group Name Mis-match	62

Introduction

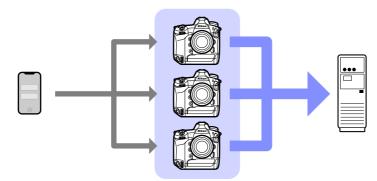
The NX Field System

What the NX Field System Can Do for You

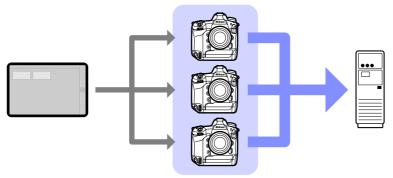
The NX Field System lets you operate cameras remotely from a master camera or from an iPhone or iPad running the NX Field app. Using the NX Field System, you can control multiple cameras remotely from a master camera, iPhone, or iPad and upload pictures to an FTP server as they are taken.



Taking and Uploading Pictures with Master and Remote Cameras



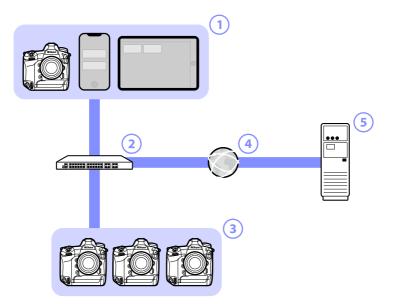
Remotely Taking and Selecting Pictures for Upload with an iPhone



Remotely Taking and Selecting Pictures for Upload with an iPad

The NX Field System

To use the NX Field System, you will need a master camera (or an iPhone or iPad), remote cameras, and an FTP server, all on the same network. All cameras for use with the NX Field System must be configured as described in this guide.



- 1) Master camera or iPhone/iPad
- 2 Hub (L3 switch)
- 3 Remote cameras
- 4 WAN
- 5 FTP server

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 (accessible via) > [Option]) is enabled.
- With a master camera, the clocks must be synchronized manually, as the connection is not made via the NX Field app.

About This Guide

This is a connection guide for using cameras, iPhones, and iPads with the NX Field System. It describes how different models of camera can be connected to FTP servers or configured for use with the NX Field System.

For more information on using the NX Field System, see the NX Field System User's Manual.

https://nps.nikonimaging.com/nx_field/manual.htm

V Supported Cameras

This guide is for users of Z 9, D6, and D5 cameras. Before it can be used with the NX Field System, your camera will need a fee-for-service firmware update from a Nikon-authorized service representative.

Tip: Wireless Connections

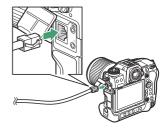
Although the NX Field System can connect to wireless networks via a WT-5 or WT-6 wireless transmitter or the Z 9's built-in wireless LAN, Ethernet networks are a better choice as they ensure reliable remote camera control and FTP upload unaffected by variations in signal strength. The instructions in this guide assume an Ethernet connection.

Readying a Z 9 for Use with the NX Field System

Connecting Z 9 Cameras to FTP Servers

Before adjusting camera settings, confirm that the FTP server is up and running.

7 Connect an Ethernet cable to the camera's Ethernet connector.

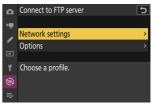


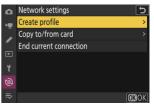
2 Select [ON] for [Wired LAN] in the network menu.

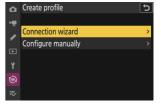
۵	NETWORK MENU	
×.	Airplane mode	0 OFF
	Wired LAN	ON
	Connect to smart device	0FF >
►	Connect to computer	0FF >
۲.	Connect to FTP server	0FF >
۲	Connect to other cameras	OFF >
≂∕	ATOMOS AirGlu BT options	0FF >

3 In the network menu, select [Connect to FTP server] > [Network settings] > [Create profile] > [Connection wizard].

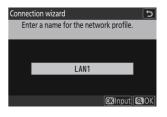












- 5 When prompted to choose how the IP address is obtained, select [Enter manually].
 Connection wizard Choose how the
 - If [Obtain automatically] is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select [Enter manually] and choose a fixed IP address for use with the NX Field System.
 - Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

6 Enter the camera IP address and subnet mask.

Assign each camera a unique IP address.

7 Choose the server type and enter the FTP server address.

Tip: FTPS

[FTPS] is available from Z 9 "C" firmware version 3.00. Before connecting to an FTPS server, you will need to load a root certificate onto the camera. Root certificates can be managed using [Connect to FTP server] > [Options] > [Manage root certificate] in the camera network menu.

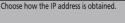






OKNext

FTPS



MaNey

Obtain automatically

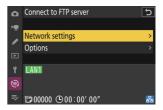
Enter manually

8 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.







9 Choose a destination folder.

To enter the folder name manually, select [**Enter folder name**]. The folder must already exist on the server.

10 Confirm that the camera has connected 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.

Enabling NX Field Settings on Z 9 Cameras

Once configured for use with an FTP server, Z 9 cameras can be readied for use with the NX Field System.

Readying the Z 9 for Connection to the NX Field System

Select [**Connect to other cameras**] in the network menu and choose [**ON**] for both [**Synchronized release**] and [**Link profile**].

This enables the FTP server profile you created on the camera ($\square 9$), allowing the camera to connect to the NX Field System.



🔽 "Link Profile"

[Link profile] is available only with cameras with firmware that supports the NX Field System.

13

Choosing a Group Name

Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. To enter the group name, select [**Connect to other cameras**] > [**Group name**] in the network menu.

- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for [**Group name**] on the iOS device (\square 47, \square 53).

Configuring the Standby Timer

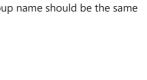
Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c3 [**Power off delay**] > [**Standby timer**] to set standby timers as follows.

- Master camera: Select a delay of at least [5 min].
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- Remote cameras: Choose [No limit].

The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.

Remote Camera Standby Timers

Be sure that the monitors or viewfinders 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 network, 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.



10n

1m

 ∞

c3 Power off delay
 Playback

Picture review

tandby timer

Menus

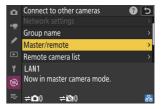


Configuring Z 9 Cameras for the Master and Remote Roles

To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

7 Select [Master camera] for [Connect to other cameras] > [Master/remote] in the camera network menu.



2 Select [Remote camera list].



۵	Remote camera list		5
ы р	01 000. 000. 000. 000	0FF	>
	02000.000.000.000	0FF	>
"	03000. 000. 000. 000	0FF	>
►	04000. 000. 000. 000	0FF	>
	05000. 000. 000. 000	0FF	>
۲	<mark>06</mark> 000. 000. 000. 000	0FF	
	07000. 000. 000. 000	0FF	

n	01 000. 000. 000. 000	٦
×.		
	Synchronized release	ON
•	Address	>
≂∕		

O	01 192. 168. 011. 010	5
▶₩	Connect to remote camera	ON
	Synchronized release	ON
•	Address	>
۲		

3 Select the desired slot and enter the IP address currently assigned to a remote camera.

Note that you will need to have first assigned [**Remote** camera] to the camera in question using [Master/remote].

4 Select [ON] for [Connect to remote camera].

5 Check the status of the cameras in the remote camera list.

Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

- **Connected / shooting time**: Normal connection. If the remote camera shutter has been released, the status display will instead show the time the most recent picture was taken.
- **Busy**: The camera is being controlled from another master camera or the NX Field app. For information on taking control from another master camera, see "Transferring Control to Other Master Cameras (Z 9 Only)" (<u>10</u> 61).
- Error: One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled (<u>13</u>).
 - The remote camera is not in the same group as the master camera.
 - No remote camera has been assigned to the slot ("C" firmware version 2.11 or earlier).
 - The IP address is incorrect.
- OFF: Either
 - no remote camera has been assigned to the slot ("C" firmware version 3.00 or later), or
 - [OFF] is selected for [Connect to remote camera] on the camera in question.

۵	Remote camera list	5
нę	01 192. 168. 011. 010	Connected >
	02000.000.000.000	0FF >
•	03000. 000. 000. 000	0FF >
►	04000.000.000.000	0FF >
۲.	05000. 000. 000. 000	0FF >
۵	<mark>06</mark> 000. 000. 000. 000	0FF >
⇒	07000.000.000.000	0FF >

۵	Remote camera list		5
H.	01192. 168. 011. 010	Busy	>
	02000.000.000.000	0FF	
"	03 000. 000. 000. 000	0FF	
►	04000. 000. 000. 000	0FF	
Y	05000. 000. 000. 000	0FF	
۲	<mark>06</mark> 000. 000. 000. 000	0FF	
⇒	07000.000.000.000	0FF	

۵	Remote camera list		5
H.	01192. 168. 011. 010	Error	>
	02000.000.000.000	0FF	>
•	03 000. 000. 000. 000	0FF	>
	04000. 000. 000. 000	0FF	>
	05000. 000. 000. 000	0FF	>
	<mark>06</mark> 000. 000. 000. 000	0FF	
	07000.000.000.000	0FF	

Tip: The Master Camera "Connect to Other Cameras" Status Display

Cameras that are currently configured to function in the master camera role show "Now in master camera mode" in the status display for [**Connect to other cameras**] in the network menu. The display also shows the number of remote cameras currently connected or not connected.

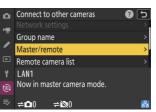


The process of configuring a Z 9 camera for use in the master camera role with the NX Field System is now complete.

Configuring Cameras for Use in the Remote Role

Select [**Remote camera**] for [**Connect to other cameras**] > [**Master/remote**] in the camera network menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.

- Select [OFF] for [Connect to FTP server] > [Options] > [Delete after upload] in the network menu: Selecting [ON] may interfere with playback in the NX Field app.
- Select [ON] for [Connect to FTP server] > [Options] >
 [Auto upload] in the network menu: Enable auto upload to
 automatically upload pictures to the FTP server as they are taken.
 We recommend selecting [ON] to get the most from the NX Field
 System.
 - When faced with bandwidth limitations or similar issues, you can select [**OFF**] and manually upload pictures during pauses in shooting.
- Select [Off] for [Picture review] in the playback menu: If an option other than [Off] is selected, pictures will be displayed in the viewfinder or monitor after shooting, delaying the resumption of live view.



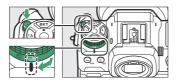
۵	Options	2 🕄
H.	Auto upload	ON
,	Delete after upload	OFF
	Upload RAW + JPEG as	RAW+J >
	JPEG+JPEG slot selection	[i] >
Ť	Upload RAW video as	RAW+M >
	Overwrite if same name	OFF
	Protect if marked for upload	OFF

۵	Options	c ()
-	Auto upload	ON
	Delete after upload	OOFF
-	Upload RAW + JPEG as	RAW+J >
	JPEG+JPEG slot selection	[i] >
۲.	Upload RAW video as	RAW+M >
	Overwrite if same name	OFF
	Protect if marked for upload	OOFF

û	PLAYBACK MENU	_	
▶₩	Filtered playback criteria		
/	Series playback		
	Picture review	0FF	>
	After delete		>
T	After burst, show	□⊐₂	>
	Auto-rotate pictures	ON)
			5

Configuring Remote Cameras

- Rotate the remote camera photo/video selectors to 🗅. No photos can be taken when 🐙 is selected.
- We recommend that you rotate the remote camera release mode dials to "quick release-mode selection". This allows the frame advance rate to be selected using the NX Field app.



Tip: The Remote Camera "Connect to Other Cameras" Status Display

Cameras that are currently configured to function in the remote camera role show "Now in remote camera mode" in the status display for [**Connect to other cameras**] in the network menu.

۵	Connect to other cameras	? 5
нщ	Synchronized release	OON
		>
•	Group name	>
Þ	Master/remote	>
۲,	LAN1	
1	Now in remote camera mode.	
_		
~		윪

The process of configuring Z 9 cameras for use in the remote camera role with the NX Field System is now complete.

Readying a D6 for Use with the NX Field System

Connecting D6 Cameras to FTP Servers

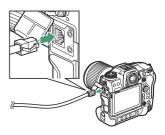
Before adjusting camera settings, confirm that the FTP server is up and running.

7 Connect an Ethernet cable to the camera's Ethernet connector.

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

3 Select [Wired LAN] for [Wired LAN/WT] > [Choose hardware] in the setup menu.







4 In the setup menu, select [Wired LAN/WT] > [Network settings] > [Create profile] > [Connection wizard] > [FTP upload].

►	SETUP MENU	
۵		
▶₩		
	Wired LAN/WT	뫎
/ 1	Conformity marking	
	Battery info	
ľ	Slot empty release lock	OK
₽	Save/load menu settings	
	Reset all settings	

Þ	Wired LAN/WT		Ь
۵	Wired LAN/WT functions	ON	
▶₩	Choose hardware	몲	
/	Network settings		٠
ï	Options		
Ľ	Choose a profile.		
?			

►	Network settings	J
۵	Synchronize date and time	
▶,	Create profile	•
/	Copy to/from card	
ï		
Ľ		
₽		
?	OK	OK)

Þ	Create profile
û	
▶	
I	Connection wizard
ï	
ø	Configure manually
?	

Connection wizard	C
Choose a connection type.	
ETD ETD surlaged	
✓FTP FTP upload	
✓PC Image transfer	
🗖 🗗 Camera control	
HTTP HTTP server	
?	OK Next

Connection wizard 5 Enter a name for the network profile. LAN1 Input 03OK

6 When prompted to choose how the IP address is obtained, Connection wizard 5 Choose how the IP address is obtained. Obtain automatically Enter manually

select [Enter manually].

- If [Obtain automatically] is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select [Enter manually] and choose a fixed IP address for use with the NX Field System.
- Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

7 Enter the camera IP address and subnet mask.

Assign each camera a unique IP address.



OKNext





8 Choose the server type and enter the FTP server address.



9 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.



10 Choose a destination folder.

To enter the folder name manually, select [Enter folder name]. The folder must already exist on the server.

11 Select [Connect and exit wizard] when prompted.

- 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.



1

ľ



Enabling NX Field Settings on D6 Cameras

Enabling NX Field Settings on D6 Cameras

Once configured for use with an FTP server, D6 cameras can be readied for use with the NX Field System.

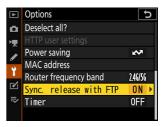
Readying the D6 for Connection to the NX Field System

Select [On] for [Wireless LAN/WT] > [Options] > [Sync. release with FTP] in the setup menu.

This enables the FTP server profile you created on the camera ($\square 21$), allowing the camera to connect to the NX Field System.

Sync. Release with FTP"

[Sync. release with FTP] is available only with cameras that have firmware that supports the NX Field System.



Choosing a Group Name

Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. In the setup menu, select [Wireless LAN/WT] > [Options] > [Sync. release with FTP] > [Group name] and choose a group name.

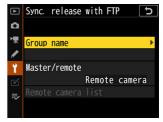
- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for [**Group name**] on the iOS device (<u>47</u>, <u>53</u>).

Configuring the Standby Timer

Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c2 [**Standby timer**] to set standby timers as follows.

- Master camera: Select a delay of at least [5 min].
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- Remote cameras: Choose [No limit].

The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.



C Timers/AE lock

Standby time

č4 Monitor off delay d1 Continuous shooting speed d2 Max. continuous release

č3Self-timer

0

c1 Shutter-release button AE-L

d3 Limit release mode selection 34 Sync. release mode options J.

0FF

 ∞

200

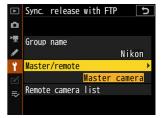
n ≠§

Configuring D6 Cameras for the Master and Remote Roles

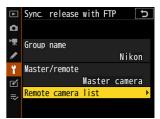
To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

7 Select [Master camera] for [Wireless LAN/WT] > [Options] > [Sync. release with FTP] > [Master/remote] in the setup menu.



2 Select [Remote camera list].



Þ	Remote	camera list	Ĵ
0	000.	000. 000. 000	0FF ►
. (02 000.	000. 000. 000	0FF
. (03 000.	000. 000. 000	0FF
, (04 000.	000. 000. 000	0FF
(05 000.	000. 000. 000	0FF
Ű (06 000.	000. 000. 000	0FF
₹ (07 000.	000. 000. 000	0FF
(000 80	000. 000. 000	0FF
	1 000	000 000 000	5

►	01 000. 000. 000. 000	C_
۵		
▶	Sync. Release	ON
1		
•	IP Address	•
<u></u>		
₽		

►	01 192. 168. 11. 11	Ð
۵	Remote connection	ON 🕨
▶	Sync. Release	ON
1		
ť	IP Address	
₽		

3 Select the desired slot and enter the IP address currently assigned to a remote camera.

Note that you will need to have first assigned [**Remote** camera] to the camera in question using [Master/remote].

4 Select [Enable] for [Remote connection].

5 Check the status of the cameras in the remote camera list.

Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

- **Connected / shooting time**: Normal connection. If the remote camera shutter has been released, the status display will instead 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: One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled $(\Box 26)$.
 - The remote camera is not in the same group as the master camera.
 - The IP address is incorrect.
- OFF: Either
 - no remote camera has been assigned to the slot, or
 - [Disable] is selected for [Remote connection] on the camera in question.

The process of configuring a D6 camera for use in the master camera role with the NX Field System is now complete.

►	Remote camera list	C L
Ô	01 192. 168. 11. 11	Connected ►
▶,	02 000. 000. 000. 000	0FF
1	03 000. 000. 000. 000	0FF
Y	$04 \ 000.\ 000.\ 000.\ 000$	0FF
	05 000. 000. 000. 000	0FF
<u></u>	06 000. 000. 000. 000	0FF
ll>	07 000. 000. 000. 000	0FF
	$08 \ 000.\ 000.\ 000.\ 000$	0FF

►	Remote camera list	Ð
Ô	01 192. 168. 11. 11	Busy 🕨
▶,	02 000. 000. 000. 000	0FF
	03 000. 000. 000. 000	0FF
Ÿ	04 000. 000. 000. 000	0FF
	05 000. 000. 000. 000	0FF
1	06 000. 000. 000. 000	0FF
₽	07 000. 000. 000. 000	0FF
	08 000. 000. 000. 000	0FF

►	Remote camera list	Ĵ
û	01 192. 168. 11. 11	Error 🕨
▶,	02 000. 000. 000. 000	0FF
	03 000. 000. 000. 000	0FF
•	04 000. 000. 000. 000	0FF
	05 000. 000. 000. 000	0FF
E	06 000. 000. 000. 000	0FF
₽	07 000. 000. 000. 000	0FF
	08 000. 000. 000. 000	0FF

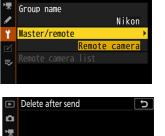
Configuring D6 Cameras for the Master and Remote Roles

Configuring Cameras for Use in the Remote Role

Select [**Remote camera**] for [**Wireless LAN/WT**] > [**Options**] > [**Sync. release with FTP**] > [**Master/remote**] in the setup menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.

• Select [No] for [Wired LAN/WT] > [Options] > [Delete after send] in the setup menu: Selecting [Yes] may interfere with playback in the NX Field app.

- Select [On] for [Wired LAN/WT] > [Options] > [Auto send] in the setup menu: Enable auto upload to automatically upload pictures to the FTP server as they are taken. We recommend selecting [On] to get the most from the NX Field System.
 - When faced with bandwidth limitations or similar issues, you can select [**Off**] and manually upload pictures during pauses in shooting.
- Select [Off] for [Image review] in the playback menu: If an option other than [Off] is selected, pictures will be displayed in the monitor after shooting, delaying the resumption of live view.



Sync. release with FTP

Ô

✓ Yes
 ✓ No
 ✓

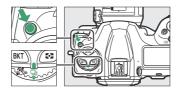
5





Configuring Remote Cameras

- Rotate the remote camera live view selectors to 🗅. If 🖷 is selected, a confirmation dialog will be displayed every time live view is enabled in the NX Field app.
- We recommend that you rotate the remote camera release mode dials to "quick release-mode selection". This allows the frame advance rate to be selected using the NX Field app.



The process of configuring D6 cameras for use in the remote camera role with the NX Field System is now complete.

Readying a D5 for Use with the NX Field System

Connecting D5 Cameras to FTP Servers

Before adjusting camera settings, confirm that the FTP server is up and running.

7 Connect an Ethernet cable to the camera's Ethernet connector.

2 Select [Wired LAN] for [Network] > [Choose hardware] in the setup menu.





3 In the setup menu, select [Network] > [Network settings] > [Create profile] > [Connection wizard] > [FTP upload].

	SETUP MENU	
	Веер	
	Touch controls	ON
	HDMI	
	Location data	
	Assign remote (WR) Fn button	0FF
	Network	格
	Slot empty release lock	0K

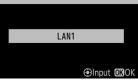
	Network		
	Choose hardware	묢	
	Network connection	ON	
	Network settings		•
0	Options		
	Choose a profile.		

	Network settings	
	Create profile	>
	Copy to/from card	
Ŷ		
?		

٣	Create profile	
Ô		
	Connection wizard	
Ÿ		
ľ	Configure manually	
?		

Connection wizard		
Choose a connection type.		
✓FTP FTP upload		
✓PC Image transfer		
🗷 🗅 Camera control		
HTTP HTTP server		
?	OK Next	

Connection wizard Enter a name for the network profile.



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

- If [Obtain automatically] is selected, settings on the master camera will need to be updated whenever a remote camera's IP address changes. We recommend that you select [Enter manually] and choose a fixed IP address for use with the NX Field System.
- Ask the network administrator for fixed IP addresses, subnet masks, and any other information you may need to enter.

6 Enter the camera IP address and subnet mask.

Assign each camera a unique IP address.





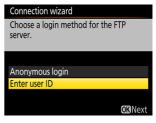
7 Choose the server type and enter the FTP server address.

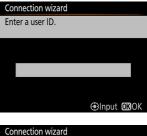
Connection wizard Choose the FTP server type. "FTP" is recommended in most situations. FTP SFTP OKNext

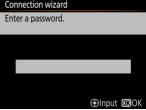


8 When prompted to choose a login method, select [Enter user ID] and supply a user ID and password.

User IDs and passwords can be obtained from the network administrator.







9 Choose a destination folder.

To enter the folder name manually, select [**Enter folder name**]. The folder must already exist on the server.

10 Select [Connect and exit wizard] when prompted.

- 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.





MAC address Router frequency band 246/36

This enables the FTP server profile you created on the camera ($\underline{\square}$ 33), allowing the camera to connect to the NX Field System.

Select [On] for [Network] > [Options] > [Sync. release with FTP]

Y "Sync. Release with FTP"

in the setup menu.

[Sync. release with FTP] is available only with cameras that have firmware that supports the NX Field System.

Enabling NX Field Settings on D5 Cameras

Once configured for use with an FTP server, D5 cameras can be readied for use with the NX Field System.

Readying the D5 for Connection to the NX Field System

 Options

 HTTP user settings

 MAC address

 Router frequency band
 24€/5€

 Power saving
 ✓

 Sync. release with FTP
 ON ▶

 Timer
 OFF

Enabling NX Field Settings on D5 Cameras

Choosing a Group Name

Assigning cameras, iPhones, and iPads on the network the same group name links the cameras in the group together. In the setup menu, select [**Network**] > [**Options**] > [**Sync. release with FTP**] > [**Group name**] and choose a group name.

- Be sure all cameras have the same group name.
- If you will be controlling the cameras from an iPhone or iPad, the group name should be the same as that chosen for [**Group name**] on the iOS device (<u>47</u>, <u>53</u>).

Configuring the Standby Timer

Shooting will not proceed smoothly if the standby timers on the master or remote cameras are allowed to expire. Use Custom Setting c2 [**Standby timer**] to set standby timers as follows.

- Master camera: Select a delay of at least [5 min].
 - When controlling remote cameras from a master camera, note that the master camera will take about 20 seconds to connect to remote cameras after the standby timer is activated. We recommend extending the master camera standby timer to ensure that the connection to the remote cameras is not easily interrupted.
 - Start the timer at least 20 seconds before taking photographs.
- Remote cameras: Choose [No limit].

The NX Field System cannot be used to configure remote cameras or release the shutter after the standby timer expires. Whether the controlling device is a master camera, an iPhone, or an iPad, you should configure the remote cameras so that their standby timers will not expire.

oup name should be the same	

•	c1 Shutter-release button AE-L	0FF
	č2 Standby timer	8
	c3Self-timer	
	č4 Monitor off delay	
Ľ	d1 Continuous shooting speed	
	d2 Max. continuous release	200
K.	d3 Limit release mode selection	
?	d4 Sync. release mode options	û≓â

Timers/AE lock

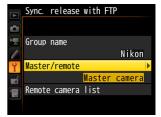


Configuring D5 Cameras for the Master and Remote Roles

To take pictures using master and remote cameras, you will need to add the remote cameras to the master camera's remote camera list. You will also need to configure cameras for the remote camera role before they can be controlled from an iPhone or iPad.

Configuring Cameras for Use in the Master Role

7 Select [Master camera] for [Network] > [Options] > [Sync. release with FTP] > [Master/remote] in the setup menu.



2 Select [Remote camera list].

Þ	Sync.	release	with	FTP)	
Ô						
	Group	name				
					Nikon	
Ŷ	Master	/remote				
4			Mast	er	camera	
	Remote	e camera	list			۲

у		Ren	note	came	era l	ist	
		01	000.	000.	000.	000	0FF ▶
		02	000.	000.	000.	000	0FF
		03	000.	000.	000.	000	0FF
		04	000.	000.	000.	000	0FF
•	T	05	000.	000.	000.	000	0FF
		06	000.	000.	000.	000	0FF
		07	000.	000.	000.	000	0FF
		08	000.	000.	000.	000	0FF

	01 000. 000. 000. 000	
		0FF
	Sync. Release	ON
0	IP Address	•
1		

	01 192. 168. 11. 11	
•	Remote connection	ON 🕨
	Sync. Release	ON
	IP Address	
T		

Note that you will need to have first assigned [**Remote** camera] to the camera in question using [Master/remote].

4 Select [Enable] for [Remote connection].

5 Check the status of the cameras in the remote camera list.

Once you have entered IP addresses for the remote cameras, their status will be displayed as follows:

- **Connected / shooting time**: Normal connection. If the remote camera shutter has been released, the status display will instead 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: One of the following errors has been detected:
 - The remote camera standby timer has expired.
 - The remote camera is off.
 - The connection with the remote camera is disabled $(\Box 38)$.
 - The remote camera is not in the same group as the master camera.
 - The IP address is incorrect.
- OFF: Either
 - no remote camera has been assigned to the slot, or
 - [Disable] is selected for [Remote connection] on the camera in question.

The process of configuring a D5 camera for use in the master camera role with the NX Field System is now complete.

	Rer	note	came	ra l	ist		
	01	192.	168.	11. 1	1	Connec	cted 🕨
	02	000.	000.	000.	000		0FF
	03	000.	000.	000.	000		0FF
	04	000.	000.	000.	000		0FF
1	05	000.	000.	000.	000		0FF
	06	000.	000.	000.	000		0FF
	07	000.	000.	000.	000		0FF
	08	000.	000.	000.	000		0FF

	Remote camera list	
	01 192. 168. 11. 11	Busy 🕨
	02 000. 000. 000. 000	0FF
	03 000. 000. 000. 000	0FF
	04 000. 000. 000. 000	0FF
1	05 000. 000. 000. 000	0FF
	06 000. 000. 000. 000	0FF
	07 000. 000. 000. 000	0FF
	08 000. 000. 000. 000	0FF

	Rer	note	came	era l	ist		
	01	192.	168.	11. 1	1	Err	or 🕨
	02	000.	000.	000.	000	0	FF
	03	000.	000.	000.	000	0	FF
	04	000.	000.	000.	000	0	FF
T	05	000.	000.	000.	000	0	FF 🛛
	06	000.	000.	000.	000	0	FF
	07	000.	000.	000.	000	0	FF
	08	000.	000.	000.	000	0	FF

43

Configuring Cameras for Use in the Remote Role

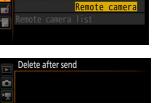
Select [Remote camera] for [Network] > [Options] > [Sync. release with FTP] > [Master/remote] in the setup menu. Adjust settings as follows to avoid restrictions on the NX Field app's use of the shutter release or live view.

• Select [No] for [Network] > [Options] > [Delete after send] in the setup menu: Selecting [Yes] may interfere with playback in the NX Field app.

- Select [On] for [Network] > [Options] > [Auto send] in the **setup menu**: Enable auto upload to automatically upload pictures to the FTP server as they are taken. We recommend selecting [On] to get the most from the NX Field System.
 - When faced with bandwidth limitations or similar issues, you can select [Off] and manually upload pictures during pauses in shooting.
- Select [Off] for [Image review] in the playback menu: If an option other than [Off] is selected, pictures will be displayed in the monitor after shooting, delaying the resumption of live view.







Nikon

Sync. release with FTP

Group name

Auto send

On

Off

Y

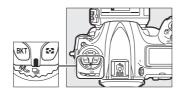
d

Master/remote

rO: ۱.

Configuring Remote Cameras

- Rotate the remote camera live view selectors to 🗅. If 🖷 is selected, a confirmation dialog will be displayed every time live view is enabled in the NX Field app.
- We recommend that you rotate the remote camera release mode dials to "quick release-mode selection". This allows the frame advance rate to be selected using the NX Field app.



The process of configuring D5 cameras for use in the remote camera role with the NX Field System is now complete.

Readying an iPhone/iPad for Use with the NX Field System

Connection Settings: iPhone

Ready an iPhone to which the NX Field app has been installed.

Ethernet Settings

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 Lightning adapter.

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

Se	Settings				
e	Apple ID, iCloud, Media & Purchases		>		
≁	Airplane Mode	0			
Ŷ	Wi-Fi	Off	>		
$\langle \cdots \rangle$	Ethernet		>		
*	Bluetooth	On	>		
((†))	Cellular		>		
	Notifications		>		

Settings	Ethernet	
INTERFACES		
USB 10/100/10	00 LAN	>

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

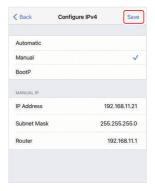
When you first open the IPv4 configuration dialog, it will list dummy values for the IP address and subnet mask in gray. The [**Save**] button will only be available once new values have been entered manually. The new values will be lost if you return to the previous dialog without saving changes.

Subnet Mask		
Router		
K Back	Configure IPv4	Save
Automatic		
Manual		~
BootP		
MANUAL IP		
IP Address		

Automatic >

Ethernet USB 10/100/1000 LAN

Configure IP IP Address



Choosing a Group Name

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

1 Tap 🔜 (option) and select [Group Setting].





In the [Group name] field, enter a group name matching that chosen on the remote cameras (<u>14</u> (Z 9), <u>27</u> (D6), <u>39</u> (D5)) and save.

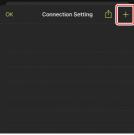


Adding Cameras to the Remote Camera List

Add the cameras in the group to the remote camera list so that the NX Field app can control them individually by name.

1 Tap States (connection options) and then





- After entering the IP address (9 (Z 9), 21 (D6), 33 (D5)) assigned to a remote camera, name the camera and then save.
 - 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.
 - Repeat Steps 1 through 2 for each camera you wish to add.



Connection Settings: iPad

Ready an iPad to which the NX Field app has been installed.

Ethernet Settings

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.

1 Launch the iOS [Settings] app.

2 Select [Ethernet].

	General	
Settings		
Q, Search	About	>
	Software Update	>
Apple ID, iCloud, Media & Purchases		
	AirDrop	>
Airplane Mode	AirPlay & Handoff	>
Wi-Fi Off	Picture in Picture	>
Ethernet	IPad Storage	>
8 Bluetooth On	Background App Refresh	>
Notifications		
_	Date & Time	>
Sounds	Keyboard	>
Do Not Disturb	Fonts	>
Screen Time	Language & Region	>
	Dictionary	>
O General		
Control Center	VPN	Not Connected >

3 Choose the desired interface.

	Ethernet
Settings	INTERFACES
Q Search	USB 10/100/1000 LAN >
Apple ID, ICloud, Media & Purchases	
Airplane Mode	
ᅙ Wi-Fi Off	
Ethernet	
8 Bluetooth On	
Notifications	
sounds	
C Do Not Disturb	
Screen Time	
O General	
Control Center	

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

	< Ethernet	USB 10/100/1000 LAN	
Settings	IPV4 ADDRESS		
Q, Search	Configure IP		Automatic >
0 1911	IP Address		
Apple ID, iCloud, Media & Purchases	Subnet Mask		
Airplane Mode	Router		
🔊 Wi-Fi Off	Renew Lease		
C+> Ethernet	DNS		
8 Bluetooth On	Configure DNS		Automatic >
Notifications	HTTP PROXY		
Sounds	Configure Proxy		Off >
C Do Not Disturb			
Screen Time			
General			
Control Center			
-			
	< USB 10/100/1000 LAN	Configure IPv4	

		Conigure	Save
Settings			
Q Search		Automatic	
		Manual	~
Apple ID, iCloud, Media	& Purchases	BootP	
		MANUAL IP	
😥 Airplane Mode		IP Address	
ᅙ Wi-Fi	Off	Subnet Mask	
↔ Ethernet		Router	
8 Bluetooth	On	Router	
Notifications			
Sounds			
C Do Not Disturb			
Screen Time			
General			
Control Center			

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

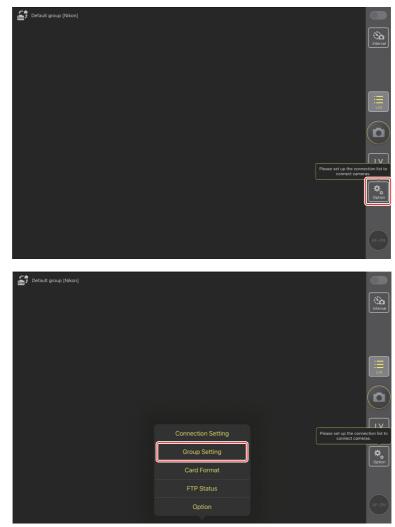
		C USB 10/100/1000 LAN	Configure IPv4	
ettings				
ς Search		Automatic		
-		Manual		\checkmark
Apple ID, iCloud, Media 8	Purchases	BootP		
		MANUAL IP		
Airplane Mode	0	IP Address		192.168.11.22
🛜 Wi-Fi	Off	Subnet Mask		255.255.255.0
😔 Ethernet		Router		192.168.11.1
Bluetooth	On			
Notifications				
Sounds				
C Do Not Disturb				
Screen Time				
General				
Control Center				

V 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.

Choosing a Group Name

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



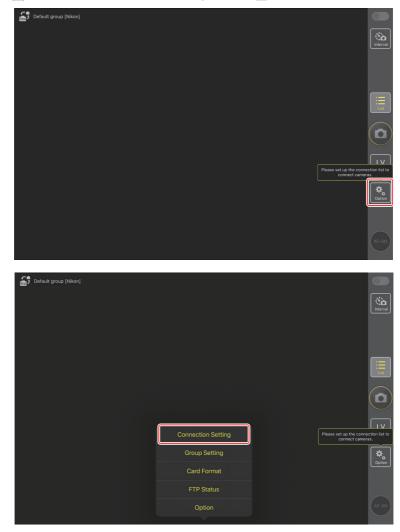
1 Tap 🔝 (option) and select [Group Setting].

2 In the [Group name] field, enter a group name matching that chosen on the remote cameras (<u>14</u> (Z 9), <u>27</u> (D6), <u>39</u> (D5)) and save.

Default group [Nikon]			
	🗙 Back Sa	ve	
	Display name		
	Stadium01		
	Group name		
	Nikon		
	Skin image		
	Reset the image		

Adding Cameras to the Remote Camera List

Add the cameras in the group to the remote camera list so that the NX Field app can control them individually by name.



1 Under **I** (option), select [Connection Setting] and tap **Ⅱ**.

- 2 After entering the IP address (<u>9</u> (Z 9), <u>21</u> (D6), <u>33</u> (D5)) assigned to a remote camera, name the camera and then save.
 - 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.
 - Repeat Steps 1 through 2 for each camera you wish to add.

ڙھ	< Back	Edit Connection Info.	Save	
	Connection Info.			
	192.168.11.10			
	Start_D6			
	MAC address (for Wake-on-LAN	4)		
	Enter MAC address (* Not nee	d to input '-')		

NX Field Tips and Tricks

Using a Button to Switch Between Remote, Master, or Synchronized Release

When remote cameras are controlled from a master camera, you can temporarily switch between remote, master, or synchronized release by pressing and holding a custom control.

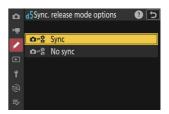
- You can create configurations in which the remote and master cameras are usually synced, but in which only pictures taken while the custom control is pressed are shot using just the master camera, or just the remote cameras.
- Or you can create configurations in which pictures are normally taken only with the master camera, but in which the remote cameras take pictures in sync with, or instead of, the master while the custom control is pressed.

<u>The Z 9</u>

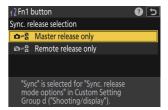
Starting with Master and Remote Cameras Synced

In this configuration, the remote and master cameras are normally synced, but holding a custom control allows pictures to be taken on only the master or only the remote cameras.

• Select [Sync] for Custom Setting d5 [Sync. release mode options] on the master camera.



- Assign [**Sync. release selection**] to a control using Custom Setting f2 [**Custom controls (shooting)**].
 - To configure the control so that pictures shot while it is pressed will be taken with the master camera only: Select [Master release only] for [Sync. Release selection].
 - To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only: Select [Remote release only] for [Sync. Release selection].

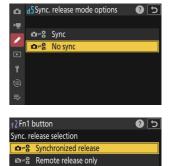


Starting with Master and Remote Cameras Not Synced

In this configuration, the remote cameras will take pictures in sync with, or instead of, the master camera while a custom control is pressed.

• Select [No sync] for Custom Setting d5 [Sync. release mode options] on the master camera.

- Assign [**Sync. release selection**] to a control using Custom Setting f2 [**Custom controls (shooting)**].
 - To configure the control so that pictures shot while it is pressed will be taken with both the master and remote cameras: Select [Synchronized release] for [Sync. Release selection].
 - To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only: Select [Remote release only] for [Sync. Release selection].



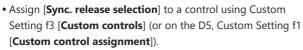
"No sync" is selected for "Sync. release mode options" in Custom Setting Group d ("Shooting/display").

The D6 and D5

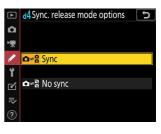
Starting with Master and Remote Cameras Synced

In this configuration, the remote and master cameras are normally synced, but holding a custom control allows pictures to be taken on only the master or only the remote cameras.

• Select [Sync] for Custom Setting d4 [Sync. release mode options] on the master camera.



- To configure the control so that pictures shot while it is pressed will be taken with the master camera only: Select [Master release only] for [Sync. Release selection].
- To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only: Select [Remote release only] for [Sync. Release selection].



f3Preview button	C
Sync. release selection	
🗖 📲 Master release only	
Semote release only	
"Sync" is selected for "Sync. release mode options" in Custom Setting Group d ("Shooting/display").	
?	

Starting with Master and Remote Cameras Not Synced

In this configuration, the remote cameras will take pictures in sync with, or instead of, the master camera while a custom control is pressed.

• Select [No sync] for Custom Setting d4 [Sync. release mode options] on the master camera.

- Assign [Sync. release selection] to a control using Custom Setting f3 [Custom controls] (or on the D5, Custom Setting f1 [Custom control assignment]).
 - To configure the control so that pictures shot while it is pressed will be taken with both the master and remote cameras: Select [Synchronized release] for [Sync. Release selection].
 - To configure the control so that pictures shot while it is pressed will be taken with the remote cameras only: Select [Remote release only] for [Sync. Release selection].

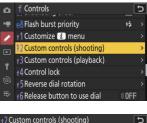


oup a (shooting/dispi

Transferring Control to Other Master Cameras (Z 9 Only)

Normally, if a group contains multiple cameras configured for the master role, control of the remote cameras will be assigned to the first master camera to connect, and control cannot be reassigned until the connection to the first camera ends. From "C" firmware version 3.00, a Z 9 camera can take control from an existing master at the press of a button as described below.

 Assign [Override other cameras] to a control using Custom Setting f2 [Custom controls (shooting)].





2 With the camera connected to others within its group in the NX Field System, press the control to which [Override other cameras] has been assigned.

The camera will take control from the existing master.

Troubleshooting Remote Camera Connections

Incorrect IP Addresses

Check that the correct remote camera IP addresses ($\square 9$, $\square 21$, and $\square 33$ for the Z 9, D6, and D5, respectively) have been entered on the master camera or in the NX Field app.

- If you are using a master camera, check that the correct IP addresses have been entered in the master camera's remote camera list (<u>15</u>, <u>28</u>, and <u>40</u> for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check that the correct IP addresses have been entered in the app's remote camera list (<u>48</u> and <u>55</u> for iPhones and iPads, respectively).

Duplicate IP Addresses

Check that none of the remote cameras share an IP address ($\square 9$, $\square 21$, and $\square 33$ for the Z 9, D6, and D5, respectively) with the master camera, iPhone, or iPad.

- If you are using a master camera, check the master camera's IP address (<u>9</u>, <u>121</u>, and <u>33</u> for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check the IP address for the iPhone (45) or iPad (49).

Group Name Mis-match

Check that the group name selected on the remote cameras (\square 14, \square 27, and \square 39 for the Z 9, D6, and D5, respectively) matches that selected on the master camera or in the NX Field app.

- If you are using a master camera, check the group name selected on the master camera (<u>14</u>, <u>27</u>, and <u>39</u> for the Z 9, D6, and D5, respectively).
- If you are using the NX Field app, check the group name selected in the app ($\square 47$ and $\square 53$ for iPhones and iPads, respectively).