

Wireless Twin Camera

When a Main Camera and a Sub Camera are connected via Wi-Fi, you can display the image transmitted from the Sub Camera on the Main Camera's Sub Window and record it simultaneously with the Main Camera's image.
(Wireless Twin Camera)



Use your Wireless Sub Camera to enjoy recording your own face or any scenery different from what is being recorded with the Main Camera.

Recording different types



Recording the same subject



Recording a view seen from the subject



•The image transmitted from the Wireless Sub Camera is displayed on the Sub Window.

Compatible Devices

Wireless Twin Camera compatible devices (Main Camera)

| Devices | Model No |
|------------------------------|--|
| 4K Video Camera | HC-WX970M, HC-WX970, HC-WX979 HC-VX870M, HC-VX870, HC-VX878 |
| High Definition Video Camera | HC-V770M, HC-V770, HC-V777 HC-W570M, HC-W570 |

Wireless Twin Camera compatible devices (Sub Camera)

| Devices | Model No | Firmware Version |
|------------------------------|--|--|
| Wearable Camera | HX-A100 | Ver.1.20 (A firmware update is required.) A firmware update to Ver.1.20 is required. Check here for more details. |
| | HX-A500 | Ver.1.3 (A firmware update is required.) A firmware update to Ver.1.3 is required. Check here for more details. |
| 4K Video Camera | HC-WX970M, HC-WX970, HC-WX979 HC-VX870M, HC-VX870, HC-VX878 | A firmware update is not required. You can connect to the Main Camera in [Remote Ctrl]. |
| High Definition Video Camera | HC-V770M, HC-V770, HC-V777 HC-W570M, HC-W570 | |

The procedure for connecting a main camera and a sub camera

- Set up the Main Camera first, and then set up the Sub Camera.

Setting of the Main Camera

When connecting any of the following video cameras as a Sub Camera

Compatible Devices

- Wearable Camera HX-A100、HX-A500
- 4K Video Camera HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878
- High Definition Video Camera HC-V770M, HC-V770, HC-V777, HC-W570M, HC-W570

When connecting to a Wireless Sub Camera for the first time. [Click here.](#) (→ Page 3)


• You also need to follow the instructions starting from this section after performing [Reset Wi-Fi Settings].

When connecting for the second time or later. [Click here.](#) (→ Page 4)

Screen indications of the Main Camera. [Click here.](#) (→ Page 6)

Terminating the connection

(When using the recording screen)

1. Touch the recording screen and touch 

(When using the [Wi-Fi Setup] menu)

1. Press  Wi-Fi and touch [YES].

Setting of the Sub Camera

When using the HX-A100 as a Sub Camera. [Click here.](#) (→ Page 7)

When using the HX-A500 as a Sub Camera. [Click here.](#) (→ Page 8)

When using any of the following video cameras as a Sub Camera. [Click here.](#) (→ Page 10)

HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770,
HC-V777, HC-W570M, HC-W570

Notes on the Wireless Twin Camera function

The performance of the Wireless Twin Camera function varies depending on the surrounding radio wave conditions.

Since the human body blocks radio waves, it is also influenced by how crowded the area is.

■Recording tips

- Use your Wireless Sub Camera in a position where as much of it as possible can be seen from the position of this unit.
- When the signal between this unit and the Wireless Sub Camera weakens, a warning icon appears. In such a case, close the distance between them.
- We recommend that you attach a tripod to this unit when recording.
- We recommend that you look at the image transmitted from your smartphone in advance to check the optimal recording distance for the smartphone, the easiest way to hold it, and other recording conditions.

■Note


- The Sub Window's image, which is transmitted from the smartphone, is displayed with a slight delay compared to the Main camera's image.
- Depending on the device and environment, movement in the image transmitted from the smartphone may not look smooth or may look as if frames were missed.
- When using a smartphone as a Sub Camera, refer to the Operation Instructions for your Main Camera.
- If you cannot connect to a Wi-Fi network, or if you want to learn more about the Wi-Fi function, please also refer to the Operating Instructions for your Main Camera.

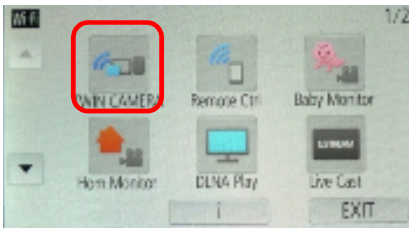
When connecting to a Wireless Sub Camera for the first time.

Step 1. Setting of the Main Camera


※The pictures and illustrations on this page are of the HC-W570M. Screen displays may vary depending on your model.

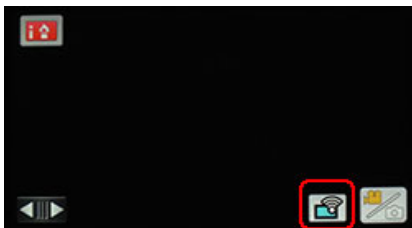
1. Operation 1 (When using the [Wi-Fi Setup] menu)

Press  Wi-Fi and touch [TWIN CAMERA].

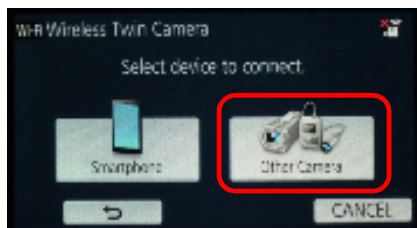


Operation 2 (When using the recording screen)

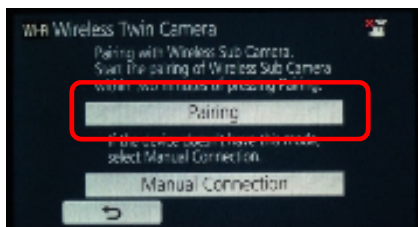
Touch the recording screen and touch .



2.Touch [Other Camera] on the screen



3.Touch [Pairing] on the screen



4. While the [Please Wait.] message is displayed, set up the Sub Camera in Step2.

STEP2. Setting of the Sub Camera

When using the HX-A100 as a Sub Camera. [Click here.](#) (→ Page 7)

When using the HX-A500 as a Sub Camera. [Click here.](#) (→ Page 8)

When using any of the following video cameras as a Sub Camera. [Click here.](#) (→ Page 10)

HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777, HC-W570M, HC-W570

Notes

- In the following cases, Wireless Twin Camera cannot be used.
 - When [REC FORMAT] is set to [4K MP4]
 - While Motion Picture Recording
 - When using the Sub Camera of MAIN camera Unit
- The following functions are not available when using the video camera as a Wireless Sub Camera:
 - 4K Photo Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878)
 - FULL HD Slow Motion Video Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - HDR Movie Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - Eye-Fi function
 - Creative Control Mode


When connecting for the second time or later

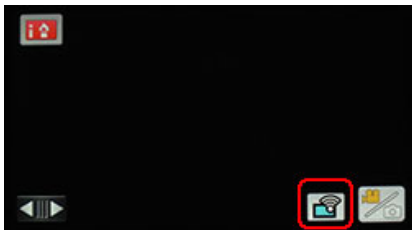
Step 1. Setting of the Main Camera

※The pictures and illustrations on this page are of the HC-W570M. Screen displays may vary depending on your model.

1. When connecting to the wearable camera or video camera last used as a Sub Camera


(When using the recording screen)

1. Touch the recording screen and touch 

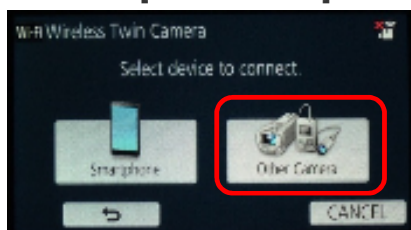


2. While the [Connect Wireless Sub Camera.] message is displayed, set up the Sub Camera in Step2. [Click here.](#)

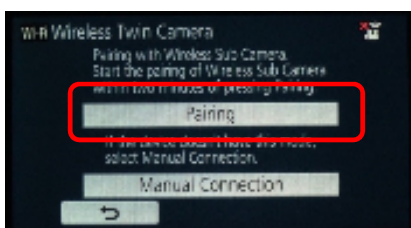
(When using the [Wi-Fi Setup] menu)

1. Press  Wi-Fi and touch [TWIN CAMERA].

2. Touch [Other Camera] on the screen




3. Touch [Pairing] on the screen



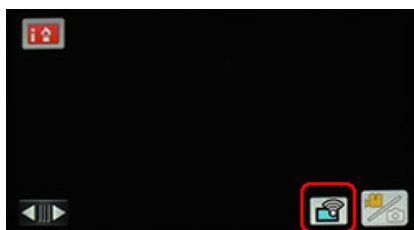
4. While the [Please Wait.] message is displayed, set up the Sub Camera in Step2. [Click here.](#)

2. When connecting to a device that was not last used as a Sub Camera

(When using the recording screen)

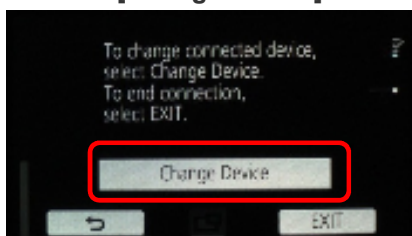
1. Touch the recording screen and touch 

•[Connect Wireless Sub Camera.]is displayed

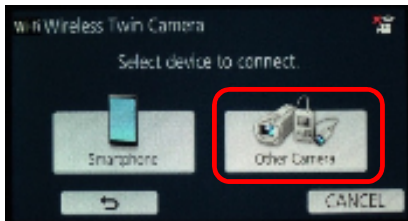


2. Once again, touch the recording screen and touch 

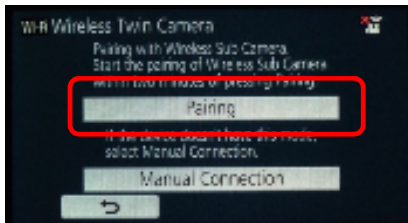
3. Touch [Change Device] on the screen



4. Touch [Other Camera] on the screen



5. Touch [Pairing] on the screen

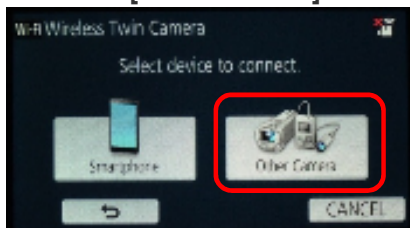


6. While the [Please Wait.] message is displayed, set up the Sub Camera in Step2. [Click here.](#)

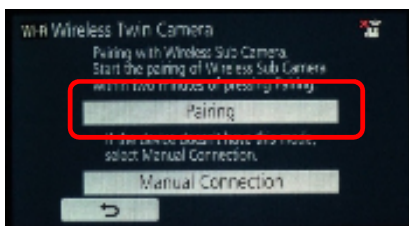
(When using the [Wi-Fi Setup] menu)

1 Press  Wi-Fi and touch [TWIN CAMERA].

2. Touch [Other Camera] on the screen



3. Touch [Pairing] on the screen



4. While the [Please Wait.] message is displayed, set up the Sub Camera in Step2.

Step 2. Setting of the Sub Camera

When using the HX-A100 as a Sub Camera. [Click here.](#) (→ Page 7)

When using the HX-A500 as a Sub Camera. [Click here.](#) (→ Page 8)

When using any of the following video cameras as a Sub Camera. [Click here.](#) (→ Page 10)

HC-WX970M, HC-WX970, HC-VX870M, HC-VX870, HC-V770M, HC-V770, HC-W570M, HC-W570

Notes

- In the following cases, Wireless Twin Camera cannot be used.
 - When [REC FORMAT] is set to [4K MP4]
 - While Motion Picture Recording
 - When using the Sub Camera of MAIN camera Unit
- The following functions are not available when using the video camera as a Wireless Sub Camera:
 - 4K Photo Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878)
 - FULL HD Slow Motion Video Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - HDR Movie Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - Eye-Fi function
 - Creative Control Mode

Screen indications of the Main Camera

※The pictures and illustrations on this page are of the HC-W570M. Screen displays may vary depending on your model.

You can display the following Sub Camera information when the HX-A100/HX-A500 is connected as a Sub Camera:

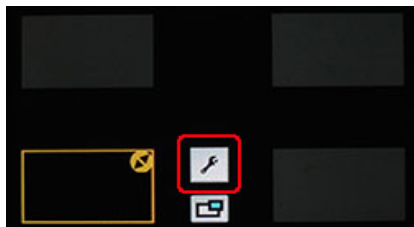
Device Name

Battery capacity

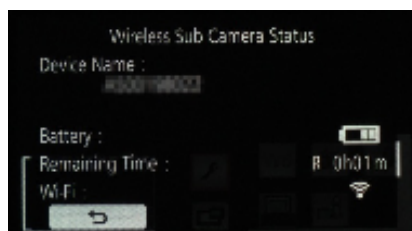
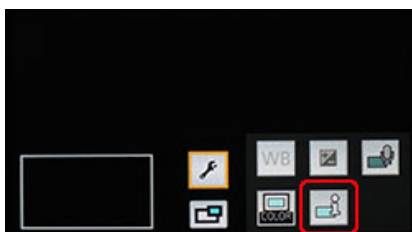
Remaining Time

Wi-Fi(The radio wave intensity)

1.Touch the sub window and touch 



2.Touch  on the screen



When using the HX-A100 as a Sub Camera

Setting of the Sub Camera

- A firmware update to Ver.1.20 is required. [Check here](#) for more details.
- Set up the Main Camera in advance.

1. Connecting to a Main Camera

1. Press and hold the Wi-Fi/WPS button until all the Wi-Fi mode lamps light

- All the Wi-Fi mode lamps will flash.
- Connection to the Main Camera will start and you will hear a beep.
- When the connection to the Main Camera is complete, you will hear two beeps and all the Wi-Fi mode lamps will light.



2. Connecting to a device that was not last used as a Main Camera

1. Press and hold the Wi-Fi/WPS button until all the Wi-Fi mode lamps light.

All the Wi-Fi mode lamps will flash.

2. Press and hold the Wi-Fi/WPS button for 3 seconds or more.

- The Wi-Fi mode lamp flashes faster.
- Connection to the Main Camera will start and you will hear a beep.
- When the connection to the Main Camera is complete, you will hear two beeps and all the Wi-Fi mode lamps will light.

Notes

- If you use the Wireless Sub Camera function when [Recording Mode] to be used for recording to the SD card of the HX-A100 is set to [1920x1080/50p] or when the HX-A100 is in [Slow Motion], its setting will change to [1920x1080/25p].
- The HX-A100 cannot be connected as a Wireless Sub Camera while it is recording.

3. Terminating the connection

1. Press and hold the Wi-Fi/WPS button until all the Wi-Fi mode lamps light.

Note: Be sure to check that the Sub Window on the Main Camera disappears. This confirms that the Wireless Sub Camera function has been terminated.

When using the HX-A500 as a Sub Camera

Setting of the Sub Camera

- A firmware update to Ver.1.3 is required. [Check here](#) for more details.
- Set up the Main Camera in advance.

1. Connecting to a Main Camera that has never been connected to your HX-A500 before (Pairing)

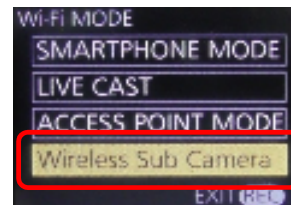
※You also need to follow the instructions starting from this section after performing [RESET Wi-Fi SETTINGS] from the menu.

1. Press the joystick to select the menu.

[Wi-Fi SETUP] → [Wi-Fi MODE] → [Wireless Sub Camera]

The Sub Camera will start pairing with the Main Camera.

When the connection is complete, a message will be displayed.



2. Connecting to the same device that was last used as a Main Camera

1. Press the joystick to select the menu.

[Wi-Fi SETUP] → [Wi-Fi MODE] → [Wireless Sub Camera]

Or

When Wi-Fi MODE is set to [Wireless Sub Camera], move the joystick left.

The Sub Camera will start pairing with the Main Camera.

When the connection is complete, a message will be displayed.

3. Connecting to a device that was not last used as a Main Camera

1. Press the joystick to select the menu.

[Wi-Fi SETUP] → [Wi-Fi MODE] → [Wireless Sub Camera]

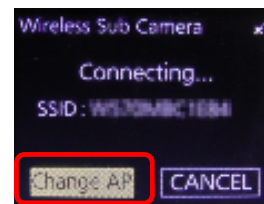
Or

When Wi-Fi MODE is set to [Wireless Sub Camera], move the joystick left.

2. Select [Change AP] and press the joystick.

The Sub Camera will start pairing with the Main Camera.

When the connection is complete, a message will be displayed.



Notes

The HX-A500 cannot be connected as a Wireless Sub Camera while it is recording.

Changing the HX-A500's menu settings may change the Sub Window's image settings. We recommend that you change the menu settings when the Main Camera is not recording.

If you record still pictures or perform recording in [INTERVAL REC MODE] with the HX-A500, the Sub Camera's image being recorded will freeze temporarily.

We recommend that you perform these operations when the Main Camera is not recording.

4. Terminating the connection

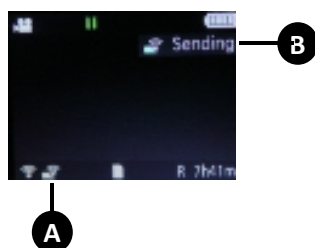
1. Move the joystick left.

The message is displayed. Select [YES], then press the joystick to exit.

Note: Be sure to check that the Sub Window on the Main Camera disappears. This confirms that the Wireless Sub Camera function has been

Screen indications during Wireless Sub Camera operation

■ Indications



Wi-Fi mode icon

Wireless Sub Camera mode



Connection status with the Main Camera

When the Wi-Fi connection status is

When the Wi-Fi connection status is

No Wi-Fi connection



Not Displayed.

A: Wi-Fi Mode icon

B: Connection status with the Main Camera

■ Screen indications of the Main Camera

1. Move the joystick right.

The Main Camera's recording status and Sub Window display status will appear.



| | | |
|--------------------|-----------|-------|
| Main Camera Status | Recording | Pause |
| Sub Window | Show | Hide |

• The Wireless Sub Camera function uses wireless signals. As a result, the displayed status lags behind the video camera's actual status. Depending on the wireless signal strength, the Main Camera status is not updated. When this occurs, [—] is displayed.

When using any of the following video cameras as a Sub Camera HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878 HC-V770M, HC-V770, HC-V777, HC-W570M, HC-W570

Setting of the Sub Camera

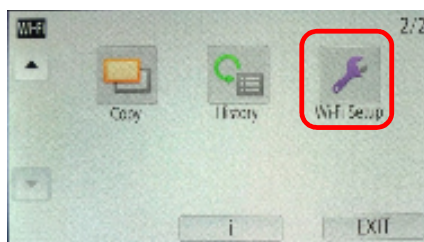
※The pictures and illustrations on this page are of the HC-W570M. Screen displays may vary depending on your model.

•Set up the Main Camera in advance.

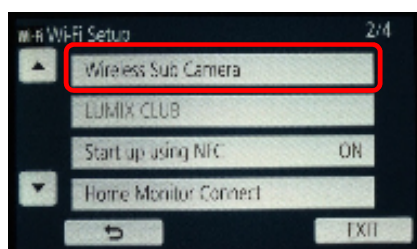
1. Connecting to a Main Camera that has never been connected to your video camera before (pairing)

※You also need to follow the instructions starting from this section after performing [RESET Wi-Fi SETTINGS] from the menu.

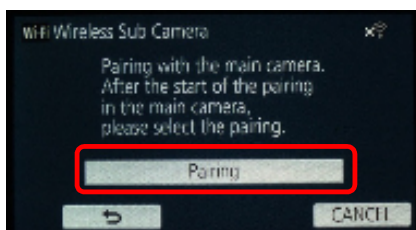
1. Press ☐ Wi-Fi and touch [Wi-Fi Setup].



2. Touch [Wireless Sub Camera] on the screen



3. Touch [Pairing] on the screen



•The Sub Camera will start pairing with the Main Camera. When the connection is complete, a message will be displayed.

2. Connecting to the same device that was last used as a Main Camera

1. Press ☐ Wi-Fi and touch [Wi-Fi Setup].

2. Touch [Wireless Sub Camera] on the screen

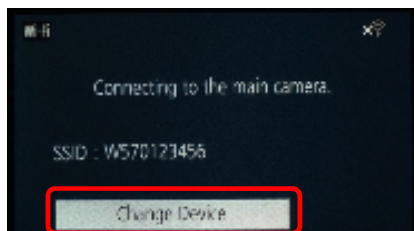
•The Sub Camera will start pairing with the Main Camera. When the connection is complete, a message will be displayed.

3. Connecting to a device that was not last used as a Main Camera

1. Press ☐ Wi-Fi and touch [Wi-Fi Setup].

2. Touch [Wireless Sub Camera] on the screen

3. Touch [Change Device] on the screen



- The Sub Camera will start pairing with the Main Camera. When the connection is complete, a message will be displayed.

Notes

- In the following cases, Wireless Sub Camera do not work
 - While Motion Picture Recording
 - When using the Sub Camera of Sub camera Unit (HC-WX970M, HC-WX970, HC-WX979, HC-W570M, HC-W570)

Sub-Camera



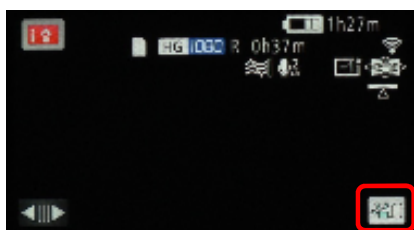
- The following functions are not available when using the video camera as a Wireless Sub Camera:
 - FULL HD Slow Motion Video Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - 4K Photo Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878)
 - Still Picture Recording Mode
 - Eye-Fi function
 - HDR Movie Mode (HC-WX970M, HC-WX970, HC-WX979, HC-VX870M, HC-VX870, HC-VX878, HC-V770M, HC-V770, HC-V777)
 - Creative Control Mode
- Changing [REC FORMAT] may change the Sub Window's image settings. We recommend that you change the menu settings when the Main Camera is not recording.

4. Terminating the connection

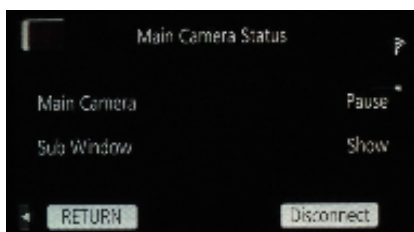
1. Press and touch [YES].

Or

Touch the recording screen and touch . Touch [ENTER], and then touch [YES].



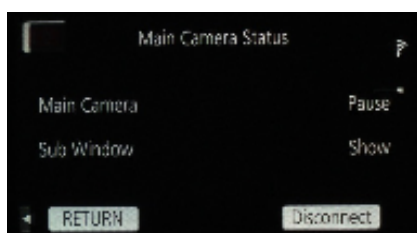
Note: Be sure to check that the Sub Window on the Main Camera disappears. This confirms that the Wireless Sub Camera function has been terminated.



Screen indications during Wireless Sub Camera operation

■ Screen indications of the Main Camera

1. Touch the recording screen of the Sub Camera device, and touch .
2. The Main Camera's recording status and Sub Window display status will appear.
3. To return to the recording screen, touch [RETURN].



| Main Camera Status | Recording | Pause |
|--------------------|-----------|-------|
| Sub Window | Show | Hide |

- The Wireless Sub Camera function uses wireless signals. As a result, the displayed status lags behind the video camera's actual status.
- Depending on the wireless signal strength, the Main Camera status is not updated. When this occurs, [—] is displayed.