

Wi-Fi connection

By combining Digital Sight 100 with a Wi-Fi adapter (commercially available) and NIS-Elements LE, you can connect via Wi-Fi. Live display and data sharing are easily possible via Wi-Fi.

Even when connected to Wi-Fi, you can select nd2 or TIFF format as the image saving format. However, the original data sent from the camera is compressed into JPEG format for Wi-Fi transmission, so the quality will be equivalent to JPEG images. Therefore, we recommend saving in JPEG format when connected to Wi-Fi.

■ Connection mode To connect to DS100 via Wi-Fi, your Windows PC must belong to the same local network as DS100. There are two types of connection modes:

AP mode: Mode for communicating directly with DS100 without going through a router, etc.

Station mode: Mode for communicating with DS100 via a router, etc.

■ Network connection settings

To use the Wi-Fi connection function, you must connect a Wi-Fi adapter to the USB Type-A connector on the Digital Sight 100. When connecting for the first time, connect the Digital Sight 100 with the Wi-Fi adapter connected to the device on which NIS-Elements LE is installed via a wired USB cable, and then follow the steps below to set up the network connection.

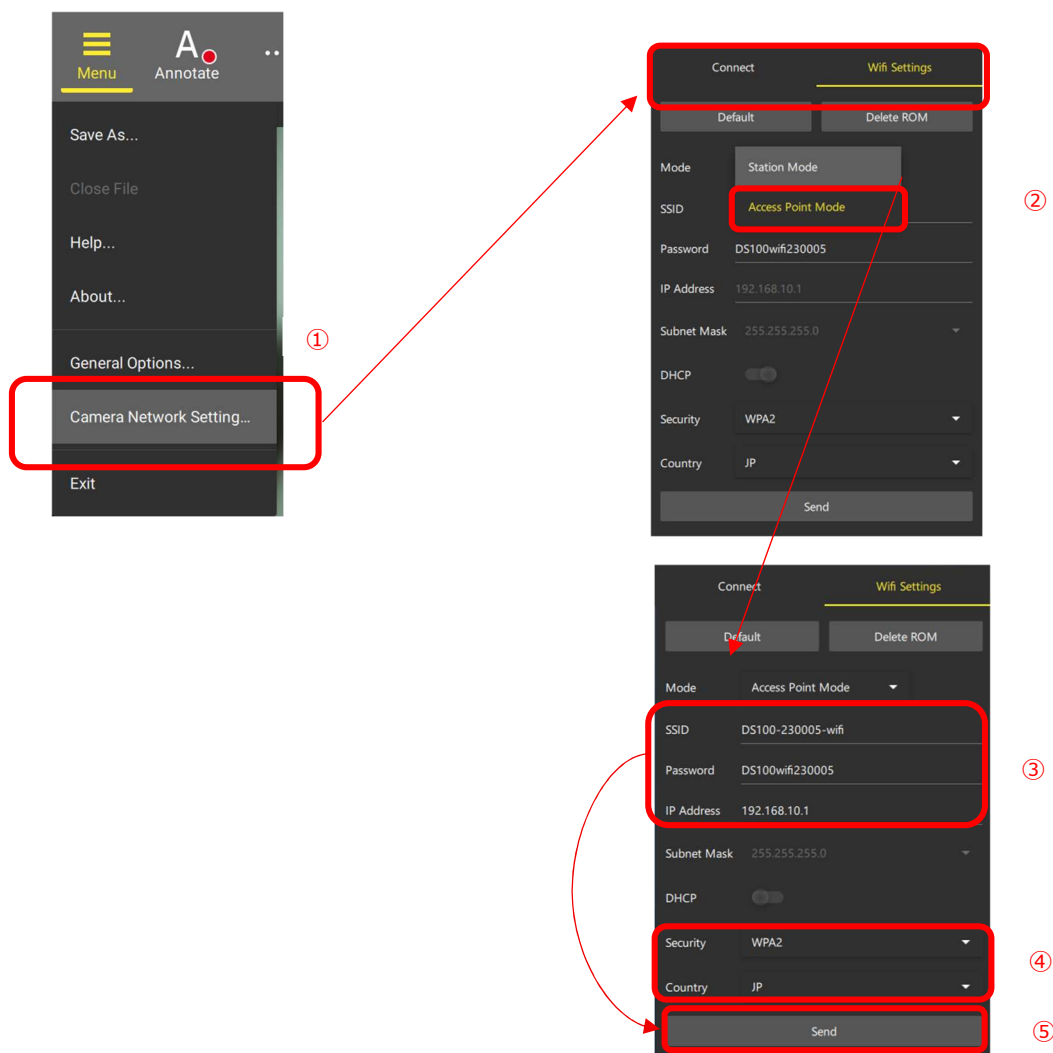
AP mode settings and connection method

■ Digital Sight 100 Wifi settings

- ① Launch the NIS-Elements LE software and select "Camera Network Setting" from "Menu".
- ② In the "Wifi Settings" tab, under "Mode" select "Access Point Mode".
- ③ Enter "SSID", "Password" and "IP Address".
- ④ Set "Security" and "Country".

*In terms of "Security" the DS100 supports WPA2, so it can be connected using either "WPA2" or "WPA2/3"

- ⑤ Click "Send" at the bottom of "Camera Network Setting" to send the network settings to the camera.



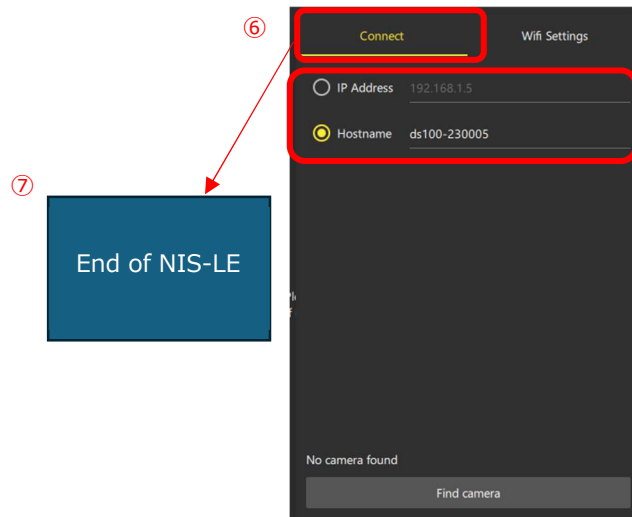
■ Setting the camera information to connect to NIS-LE

- ⑥ Switch to the “Connect” tab at the top of “Camera Network Setting” and enter the IP address of the DS100 that NIS-LE will specify as the connection destination in “IP Address”. When connecting in AP mode, this will be the IP address entered in ③.

If you connect using the hostname, enter “ds100-<serial number>”.

*If the serial number is not set, it will be set to “ds100-123456789”.

- ⑦ Quit the NIS-Elements LE software, power off the camera, and also unplug the wired connection, as it takes priority over the wireless connection when you launch the NIS-Elements LE software.
- ⑧ Connect the AC adapter (if necessary) and then turn on the camera.

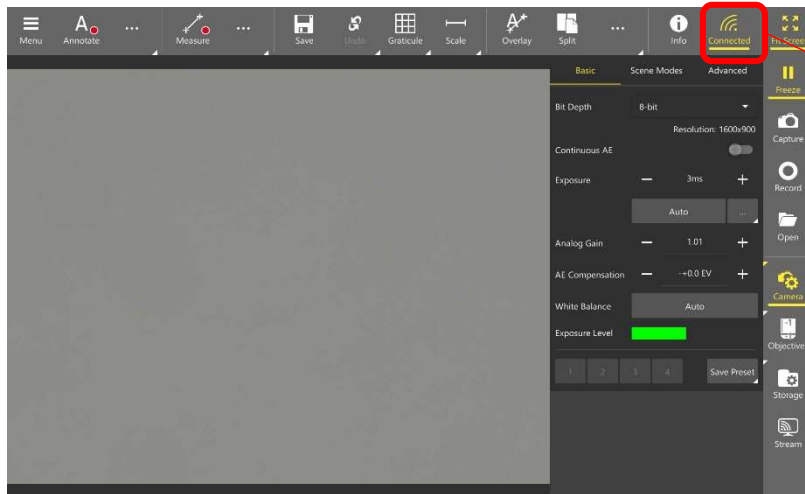


■ Windows network settings

- ⑨ In the Wi-Fi settings of your PC, find the SSID you entered in step ③, enter the password, and connect.



- ⑩ We recommend that you check whether the IP address has been changed correctly to the one you set.
*You can check this by right-clicking the Windows logo and selecting Network Connections > Wi-Fi > [Destination SSID].
- ⑪ Launch the NIS-Elements LE software. If there are no problems, it will automatically connect upon startup, so make sure the icon in the upper left corner of the menu shows “Wireless connection mark + Connected.”
*If it shows USB, it may be that the DS100 priority connection has not been disconnected, or another camera is connected. Since you cannot switch to a Wi-Fi connection in this state, close the NIS-Elements LE software and disconnect all wired connections to the camera.



USB



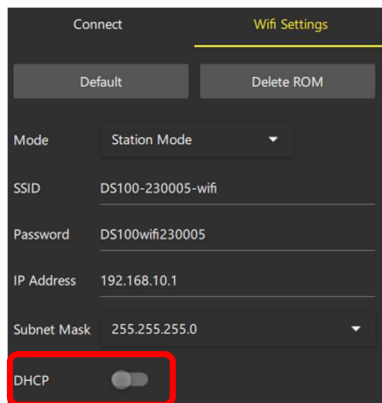
Wifi

Station mode settings and connection method

- Connection with a fixed IP address (specify the IP address manually, DHCP: OFF)

■ Digital Sight 100 Wifi settings

- ① Launch the NIS-Elements LE software and select "Camera Network Setting" from "Menu".
- ② In the "Wifi Settings" section, under "Mode" select "Station Mode".
- ③ Enter "SSID", "Password" and "IP Address" according to the specifications of the router you are using.
 - * Make sure the IP address does not overlap with other devices connected to the router.
- ④ Set "Security" and "Country".
 - *In terms of "Security," the DS100 supports WPA2, so it can be connected using either "WPA2" or "WPA2/3."
- ⑤ Set the "Subnet Mask" according to your network environment.
- ⑥ Set "DHCP" to OFF.



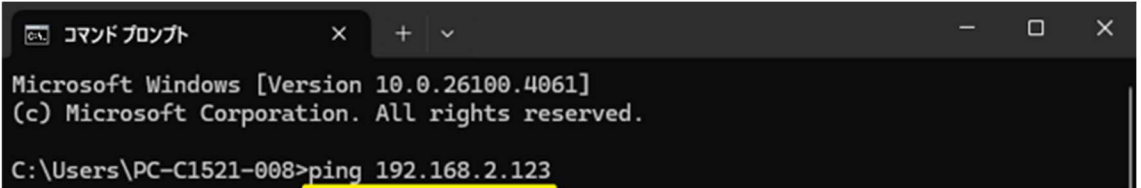
- ⑦ Click "Send" at the bottom of "Camera Network Setting" to send the network settings to the camera.

■ Setting the camera information to connect to NIS-LE

- ⑧ Switch to the "Connect" tab at the top of "Camera Network Setting" and enter the IP address entered in step ③ into "IP Address".
 - If you connect using the hostname, enter "ds100-<serial number>".
 - *If the serial number is not set, it will be set to "ds100-123456789".
- ⑨ Quit the NIS-Elements LE software, power off the camera, and also unplug the wired connection, as it takes priority over the wireless connection when you launch the NIS-Elements LE software.
- ⑩ Connect the AC adapter (if necessary) and then turn on the camera.

■ Windows network settings

- ⑪ In the PC's Wi-Fi settings, search for the SSID of the router entered in step 3, and enter the router's password to connect. At this time, we recommend using a command prompt such as ping to check whether the IP address set on the camera is connected to the router.



```
コマンド プロンプト
Microsoft Windows [Version 10.0.26100.4061]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PC-C1521-008>ping 192.168.2.123
```

- ⑫ Launch the NIS-Elements LE software. If there are no problems, the software will automatically connect upon startup, so make sure the icon in the upper left corner of the menu shows "Wireless connection mark + Connected."

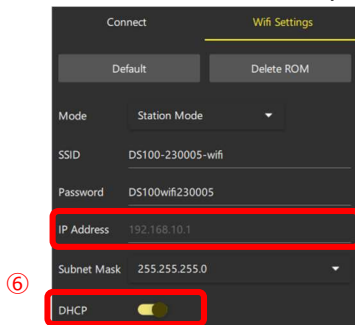
*If it shows USB, it may be that the DS100's priority connection has not been disconnected, or another camera is connected. Since you cannot switch to a Wi-Fi connection in this state, close the NIS-Elements LE software and disconnect all wired connections to the camera.

- Connection with automatic IP allocation (DHCP: ON)

■ Digital Sight 100 Wifi settings

- ① Start the NIS-Elements LE software and launch "Camera Network Settings" from "Menu".
- ② In the "Wifi Settings" section, under "Mode" select "Station Mode".
- ③ Enter the "SSID" and "Password" according to the specifications of the router you are using.
*The IP address you enter does not matter.
- ④ Set "Security" and "Country".
*In terms of "Security," the DS100 supports WPA2, so it can be connected using either "WPA2" or "WPA2/3."
- ⑤ Set the "Subnet Mask" according to your network environment.
- ⑥ Set "DHCP" to ON.

*The "IP Address" input field will be grayed out.



- ⑦ Click "Send" at the bottom of "Camera Network Setting" to send the network information to the camera.

■ Setting the camera information to connect to NIS-LE

- ⑧ Switch to the "Connect" tab at the top of "Camera Network Settings" and enter the IP address that will be automatically assigned to the DS100 in "IP Address". *When connecting with automatic IP allocation, it is necessary to find the IP address of the DS100 to connect to, so we generally recommend connecting using the hostname. If you do not want to connect using the hostname, you can check by sending "ping ds100-<serial number>" from the command prompt. This assumes that there is no other device with the same serial number on the network.

To connect using the hostname, enter "ds100-<serial number>".

*If the serial number is not set, it will be set to "ds100-123456789".

- ⑨ Quit the NIS-Elements LE software, power off the camera, and also unplug the wired connection, as it takes priority over the wireless connection when you launch the NIS-Elements LE software.
- ⑩ Connect the AC adapter (if necessary) and then turn on the camera.

■ Windows network settings

- ⑪ From your PC's Wi-Fi settings, search for the SSID of the router you entered in step ③, enter the password, and connect.
- ⑫ Launch the NIS-Elements LE software. If there are no problems, the software will automatically connect upon startup, so make sure the icon in the upper left corner of the menu shows "Wireless connection mark + Connected."

*If it shows USB, it may be that the DS100's priority connection has not been disconnected, or another camera is connected. Since you cannot switch to a Wi-Fi connection in this state, close the NIS-Elements LE software and disconnect all wired connections to the camera.

※※If you do not configure the "Connect" tab※※

- ① If you have a wired connection, disconnect it.
- ② Start NIS-LE and select "Camera Network Setting" from "Menu".
- ③ On the "Connect" tab, enter the IP address you set.
*If the set IP address is unknown, an attempt will be made to connect using the hostname.
- ④ Select "Find Camera" at the bottom of the "Connect" tab.
- ⑤ If it matches the DS100 settings, it will switch to "Camera Found" and "Connect".
- ⑥ Select "Connect" or the "wireless connection mark" to start the Wi-Fi connection.

