



# Quick Start Guide

**NIS-Elements LE**  
*v2.00.00*



This **Quick Start Guide** provides NIS-Elements LE users with a concise reference to the essential features needed to get started quickly. It covers installation, basic configuration, and key user-interface capabilities to help new users begin capturing and managing images with confidence. This guide consists of the following sections:



REQUIREMENTS



CONNECTION MODES



INSTALLATION



NIS-ELEMENTS LE AT A GLANCE



## REQUIREMENTS

- Windows 11 (64bit) (PC or Tablet)
- Administrator privileges
- Compatible Camera (Nikon DS100, DS10, DS1000, or DS50)



## INSTALLATION

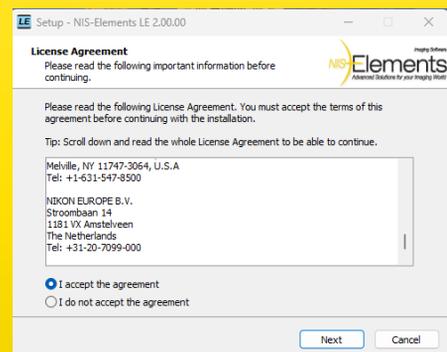
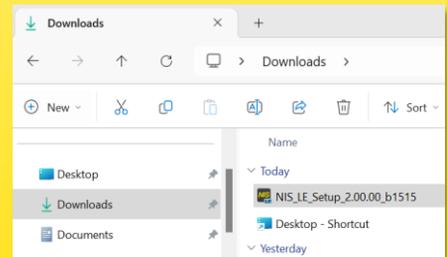
1 Download the installer file from **Nikon's Website**.

2 Locate installer file in the 'Downloads' folder  
**"NIS\_LE\_Setup\_2.00.00\_b1515.exe"**

3 **Right click** the executable and **Run as administrator**. The **Installation Wizard** will launch.

4 Scroll to the bottom of the User Agreement to enable acceptance and select **I accept the agreement**.

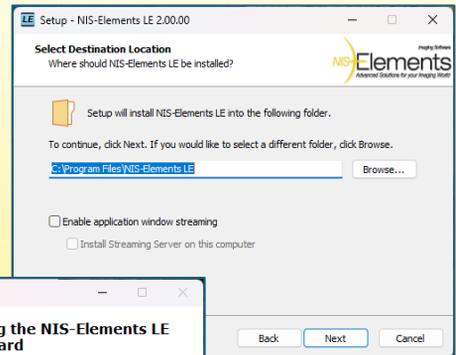
5 Click **Next** to continue.



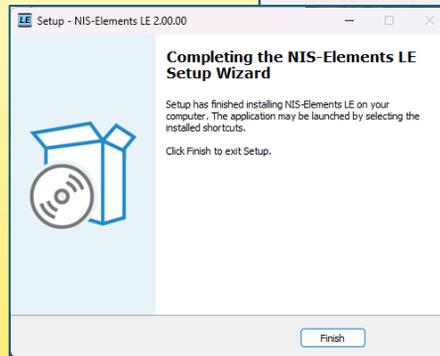


- 6 Accept the *default installation folder* or choose a different location using the Browse button. Click **Next** to start the installation.

! Enable the Streaming option **only when a known application requires it.**



- 7 Click **Finish** to complete the installation.



💡 To learn more about Streaming capabilities and supported use cases, contact your local Nikon Sales Representative.



## CONNECTION MODES

NIS-Elements LE supports three connection methods for acquiring images from compatible Nikon digital microscope cameras.



Connected

### USB Connection

Direct wired connection with a USB-C cable



Connected

### Wi-Fi Access Point Mode *(DS100 camera only)*

The camera creates its own dedicated Wi-Fi network and serves as an access point



Connected

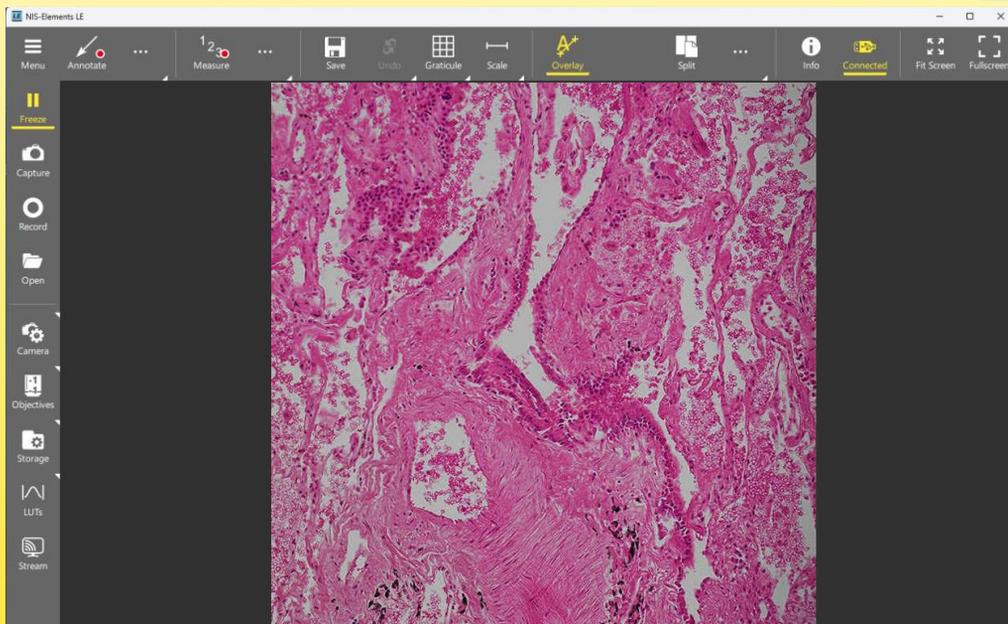
### Wi-Fi Access Station Mode *(DS100 camera only)*

The camera connects to an existing Wi-Fi network (LAN) and allows PC and camera over the shared network



## USB Connection

- 1 Power on the **camera** and connect it to your device (computer/tablet) via USB-C.
- 2 Locate the **NIS-Elements LE** shortcut on the Windows desktop (*installed by default*) and **double-click** to launch the program.



- 3 The USB-C cable connection does **not** require any software configuration. When you launch NIS-Elements LE with the camera connected:



The **Connected** icon will appear automatically.



A **Live** image will be active immediately at startup.



The **Freeze** icon can be selected at any time to stop Live Mode.

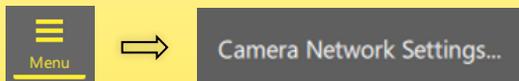


## Wi-Fi Access Point Mode *(DS100 only)*

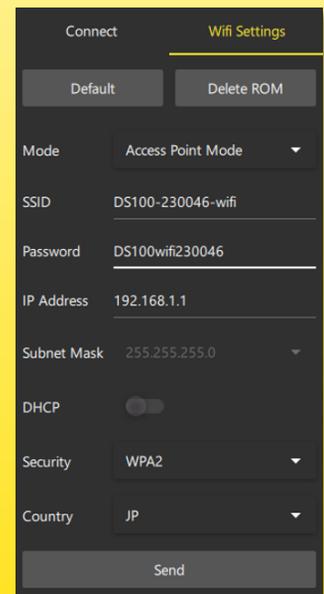
Access Point Mode allows the camera (with Wi-Fi adapter) to act as a standalone Host with its own SSID. A computer/tablet running NIS-Elements LE connects as the Client.

### Set up the Camera (DS100) as a Wi-Fi Access Point (**Host**)

- 1 Power on the **camera** and connect the camera to your setup computer via USB-C.
- 2 Insert the **Wi-Fi adapter** into the USB-A port on the camera (wait a few seconds for that adapter to initialize *(LED may blink)*).
- 3 Launch NIS-Elements LE and select **Camera Network Settings** under **Menu**.



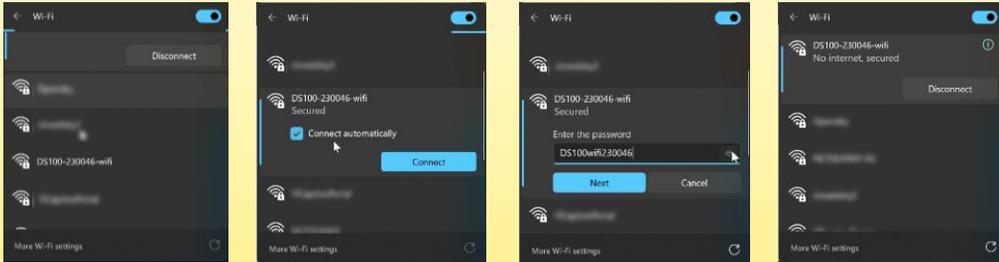
- 4 In the **Mode** dropdown, select *Access Point*.
  - For standard use, leave default settings unchanged.
  - For advanced use, **SSID** and **Password** can be changed but **IP Address** must remain the same.
- 5 Ensure **DHCP** is set to *Off* (default) and **Security** is set to *WPA2* or *WPA2/3* and
- 6 Change the **Country** from *JP* to the region where the system will be used.
- 7 Click **Send** to program the Wi-Fi adapter.
  - If the adapter LED is visible, wait for blinking to stop.
  - Otherwise, wait ~1 minute.



- 8 Power off the DS100 and disconnect the USB-C cable.

## Connect your computer/tablet (**Client**) to the DS100 Access Point

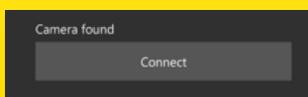
- 9 On the Client pc, open Wi-Fi settings and disconnect from any current connections.



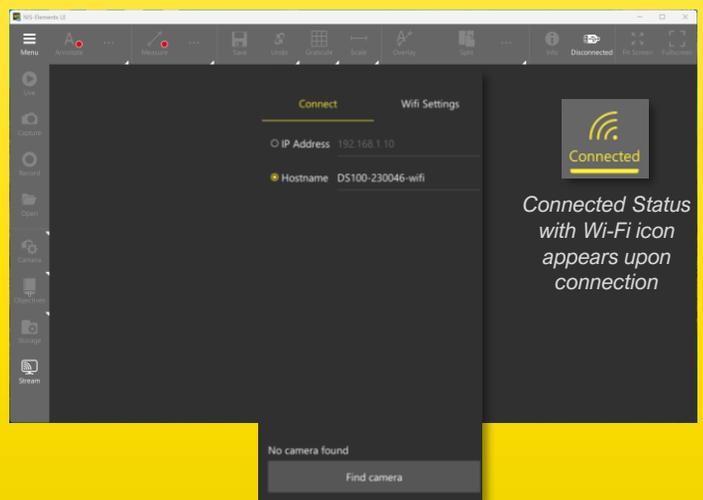
- 10 From the available networks, choose the DS100 SSID.
- 11 Click **Connect**.
- 12 Enter **Password** from *Step 4* and click Next to establish a connection.

## Connect to the Camera in NIS-Elements LE

- 13 In NIS-Elements, under **Menu** options select **Camera Network Settings** (see step 4) and click on the **Connect** tab.
- 14 For **Hostname**, enter the SSID of the camera.
- 15 Click **Find camera** – the button will change to **Connect** when camera is successfully detected



- 16 Click **Connect** to begin imaging.



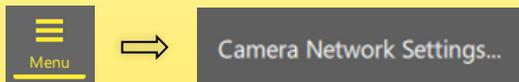


## Wi-Fi Station Mode *(DS100 only)*

Station Mode allows the camera (with Wi-Fi adapter) to join an existing Wi-Fi LAN as a fixed Host. A computer running NIS-Elements LE connects as the Client without switching Wi-Fi networks.

### Camera Configuration to Join The Existing Wi-Fi Network (**Host**)

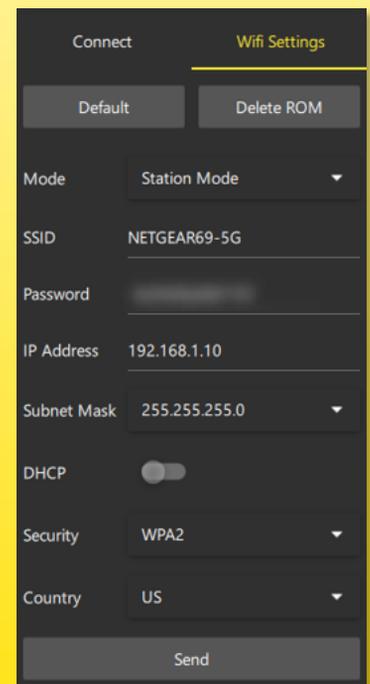
- 1 Power on the **camera** and connect the camera to your setup computer via USB-C.
- 2 Insert the **Wi-Fi adapter** into the USB-A port on the camera (wait a few seconds for that adapter to initialize *(LED may blink)*).
- 3 Launch NIS-Elements LE and select **Camera Network Settings** under **Menu**.



- 4 In the **Mode** dropdown, select **Station Mode**.
- 5 Enter the SSID and Password of the existing Wi-Fi LAN the DS100 will join.
- 6 Enter the static **IP Address** assigned to the DS100 by IT using the router's administration tools.

 *Router configuration methods differ by manufacturer. This step may need to be performed by IT.*

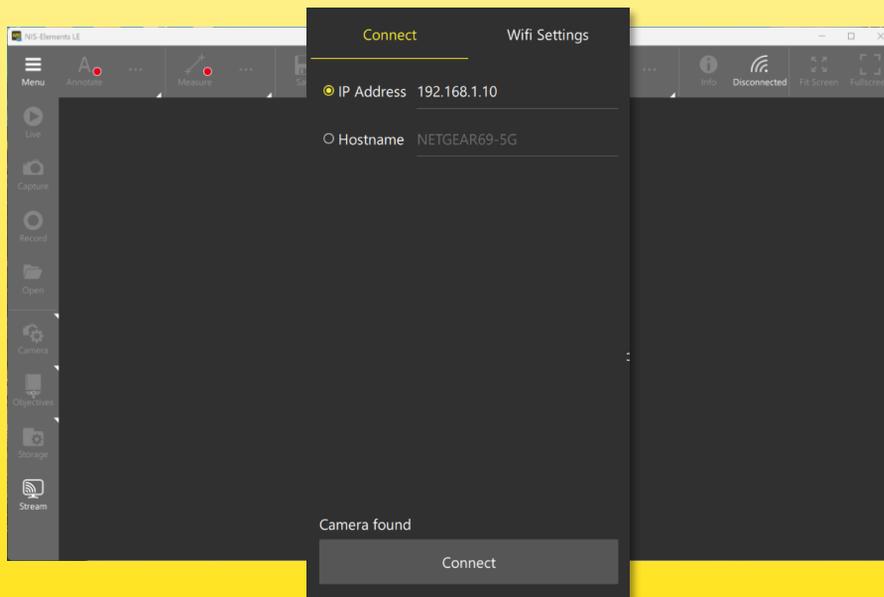
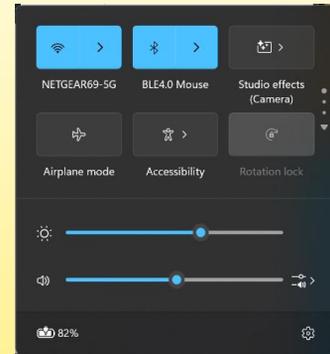
- 7 Set **DHCP** to *Off* (default), set **Security** to **WPA2** or **WPA2/3** and set Subnet Mask to match the router's configuration.
- 8 Set the **Country** to the region where the system will be used.
- 9 Click **Send** to program the Wi-Fi adapter.
- 10 Power off the DS100 and disconnect the USB-C cable.



 *The **Connect** tab in NIS-LE is for Client configuration only, not for Host setup.*

## Connect the Client Computer to the Camera via LAN

- 11 On the Client pc, open Wi-Fi settings to confirm the device running NIS-Elements LE is connected to the same SSID the camera joined.
- 12 In NIS-Elements, under **Menu** options select **Camera Network Settings** (see step 4) and click on the **Connect** tab.
- 13 Under **IP Address**, enter the Static IP assigned to the DS100 (same IP address as in step 6).



- 14 Click **Find camera** – the *button will change to **Connect** when camera is successfully detected*
- 15 Click **Connect** to begin imaging.



## NIS-ELEMENTS LE AT A GLANCE



Live

### Live Image Display

View the live camera feed immediately on startup.



Split

### Split Screen View

Choose what you see - “Live + Saved Image” or “Live + Frozen”



Capture

### Image Capture

Capture still images directly from the live view.



Record

### Video Capture

Record videos directly from the live view.



Camera

### Camera Settings

Access core controls for exposure, color correction, shading, metadata, and presets to quickly optimize your imaging



Annotate

### Annotations

Add text, arrows, labels, and symbols on captured images.



Measure

### Basic Manual Measurements

Measure distances, angles, and simple biological features.



Graticule

### Graticule

Display and overlay graticules for reference.



Scale

### Scale Bar

Adjustable and able to be displayed directly on the live image or saved images.



LUTs

### LUTs (Lookup Tables)

Simple range and gamma adjustments, plus a pixel-saturation view option.



Save

### Basic Image Saving & Export

Save images in common formats (tiff, jpeg, nd2) and export them for reports or sharing.



Stream

### Sharing & Streaming

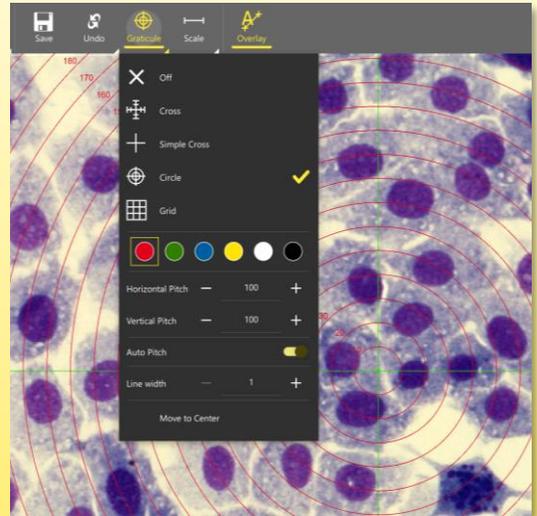
Share images or stream live view (e.g., for teaching purposes).

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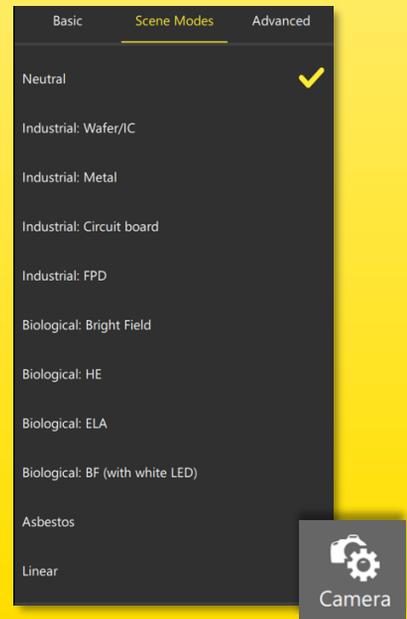
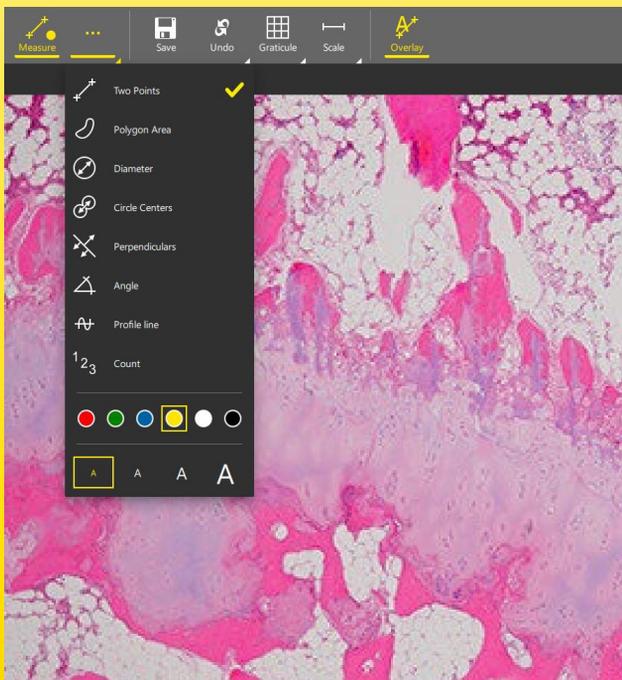
## Annotation Tools



## Graticule Tools



## Measurement Tools



**Wide Selection of Scene Modes** under camera settings to match any microscope light source, observation method and sample type.