Operating Digital Microscope Regula 4166 with Regula Forensic Studio

RFS version 5.7

User Guide
RGVI.244.0004166 UG1

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GENERAL INFORMATION

Digital Microscope Regula 4166 is intended to detect signs of photo substitution or manipulation in a questioned document. It may also be used for verifying the authenticity features of passports, driver's licenses, identity cards, technical and transport documents, visa stamps, banknotes, securities, and other documents with special anti-counterfeiting protection. It is also used for conducting forensic examinations and document analyses to detect alterations, erasures, photo substitutions, and other document manipulations, as well as for examining stamp imprints.

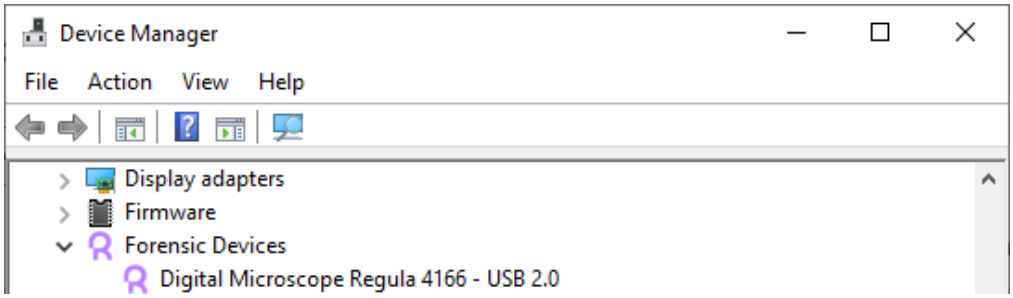
The microscope can only be operated via the Regula Forensic Studio software; the device does not function autonomously. For detailed information on operating the software, refer to the **Regula Forensic Studio User Guide**.

DEVICE INITIALIZATION

To install Regula Forensic Studio, run the installation package and follow the on-screen instructions.

To begin operation, connect the microscope to a USB 3.0 port on your computer.

If initialization is successful, the system will detect the Regula 4166 microscope. In the Device Manager, it will appear as **Digital Microscope Regula 4166** under the **Forensic Devices** section:



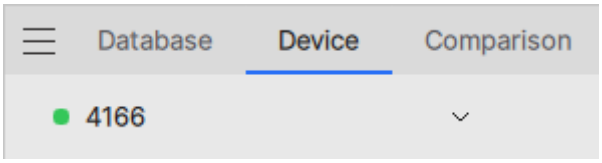
OPERATING DEVICE

To start using the device:

1. Connect the device to a USB 3.0 port on your computer.

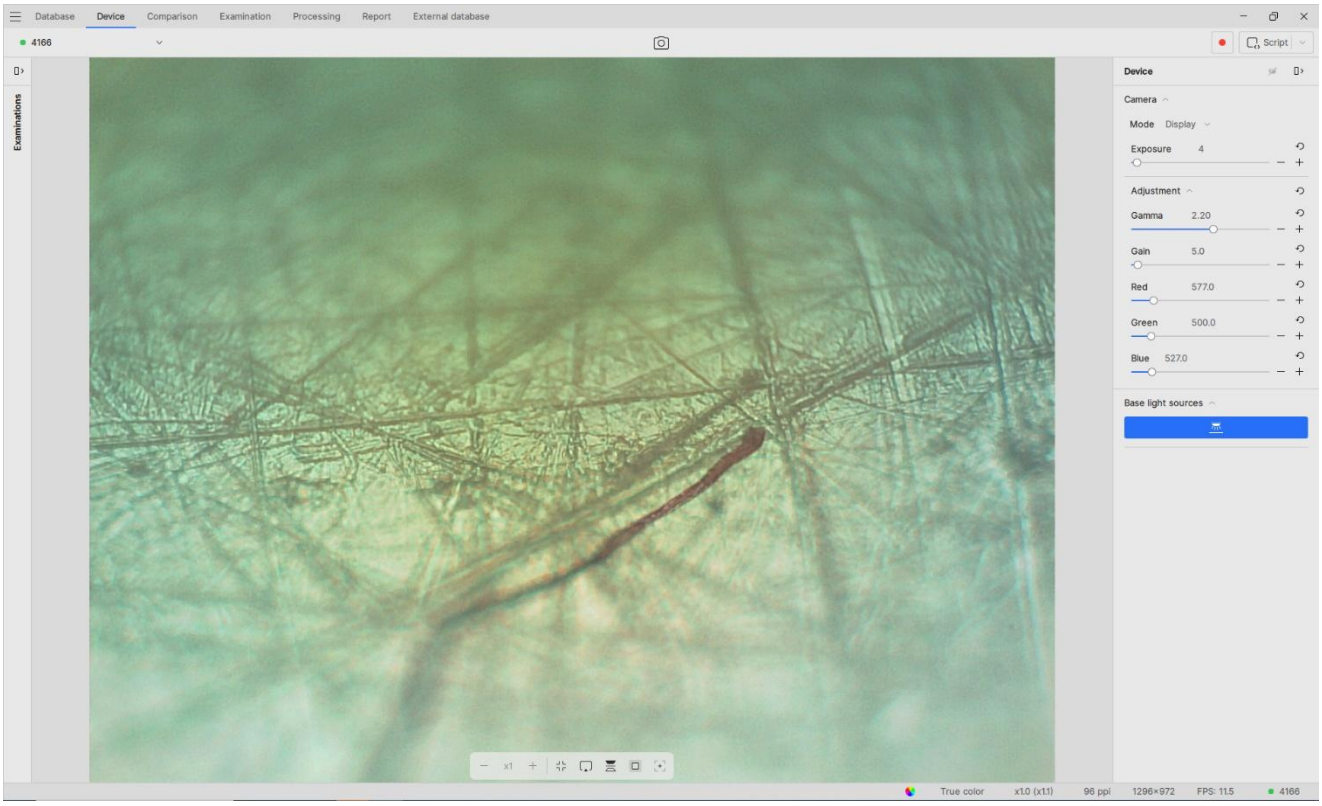
2. Launch **Regula Forensic Studio**.

3. Open the **Device** tab, click **Connect Device** and select the device in the drop-down list. The connected device looks like this:



To disconnect the device, click on the icon again.

In the **Device** tab, you can control the video capture process of the microscope camera:



When working with the microscope, the following functions are available:

- Select the **Camera mode**: **Display** or **Full**.
- Adjust **exposure**.
- **Adjust** image parameters: **Gamma**, **Gain**, **Red**, **Green**, **Blue**.
- Turn the **white light source** on or off.

You can also switch the light on and off directly on the device by pressing the corresponding button.

To save an image in the database, use one of the following methods:

- Click the **Snapshot** button  on the top panel of the **Device** tab.
- Press the button with the corresponding icon directly on the device.