

Quickstart Guide BRESSER MikrOkular Full HD · Art. No. 5913650

Eyepiece camera for microscopes, resolution 1920 x 1080 pixels (Full HD)

Scope of delivery:

- USB Camera module incl. dust cap, 23.2mm barrel
- Mini-USB cable
- Software CD „CamLabLite“ or download file



Installing the image capturing software:

You can download the image capture software from the following link:

<https://archive.bresser.de/download/CamLabLite/>

Alternatively, you can access the software by visiting our MikrOkular Full HD product page. Once there, click on the 'Software' tab next to the description.

The software is compatible with Windows 10 and 11. Double-click the file and follow the instructions in the installer. No driver installation is required. The camera is automatically recognised by compatible Windows operating systems.

Connecting the camera to a microscope:

On microscopes with a 23.2 mm eyepiece tube, the MikrOkular Full HD can be fitted in place of the eyepiece. To do this, remove the eyepiece and, if necessary, pull the Barlow lens out completely. The MikrOkular Full HD can then be inserted directly into the eyepiece tube. For other eyepiece tubes, use one of the adaptors.

Capturing images and videos:

Connect the camera with your PC. Start the software „CamLabLite“ and activate the camera named „MikrOkularFullHD“ in the camera list of the software. Switch on the microscope and place a sample with good contrast (e.g. dyed plant cutting) on the microscope stage. Look through the eyepiece and use the lowest magnification to focus on the sample. Then insert the camera into the eyepiece tube as described above. Normally, you will only need to adjust the focus slightly to obtain a sharp image in the preview. The software always displays the entire field of view. The camera shows a smaller section than can be seen through the eyepiece. This is normal. If necessary, select a different magnification on the microscope to capture a suitable section of the image.

Capturing is started using the buttons 'Snapshot' (single image) or 'Record' (video). The location to save data and the language of the software can be selected using the button . Select the resolution for the preview or recording via the 'Live' menu. The image brightness is adjusted automatically. Ensure that the microscope lighting is set as bright as possible. If you wish to control the image brightness manually, uncheck the 'Auto Exposure' box and adjust the 'Exposure Time' slider.

For best results, you can also adjust the settings in the 'Colour Balance' menu. Depending on the camera model, some controls may be disabled if the camera does not support these functions.

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