

Manual BRESSER MikrOkular HD, item no. 5913720

Eyepiece camera for microscopes, resolution 1280 x 720 pixels (HD)

Scope of delivery:

- USB Cameramodule incl. dust cap, 23.2mm barrel
- Mini-USB cable
- Software CD „CamLabLite“



Install Software:

You find the capturing software for Win 7 / 8.1 / 10 on the CD. Doubleclick on the exe file and follow the instructions in the installation manager. It is not necessary to install a specific driver. The camera will be recognized automatically from suitable Windows operating systems.

Connect the camera to a microscope:

On microscopes with 23.2mm eyepiece barrel the camera can be used without adapters. To attach the camera, remove the eyepiece and pull out the barlow lens completely. The MikrOkular can then be placed into the empty eyepiece barrel.

Capture images:

Connect the camera with your PC. Start the software „CamLabLite“ and activate the MikrOkularHD in the camera list of the software. Switch on the microscope and place a sample with good contrast on the microscope stage. Look through the eyepiece and use the lowest magnification to focus on the sample. Now insert the camera as described above. Normally only slight refocussing is needed to see a sharp image of your sample in the software preview. The software preview will always show the full frame of view. Please note: The camera will show a smaller field of view as can be seen in the eyepiece, which is normal. Maybe choose a different magnification on the microscope to adjust the field of view of the camera.

You can save images and video by clicking on the button „Snap“ (single image) or „record“ (Video) respectively. The folder to save files and the language settings of the software can be adjusted. Click the button  to enter the options menu. Choose the resolution of the camera from the „Live“ dropdown menu. The resolution of the capture will be adjusted accordingly. The brightness of the image will be adjusted automatically. For best results adjust the microscope illumination to maximum brightness. To adjust the exposure time individually, remove the tick mark from „Auto Exposure“ and choose a different exposure time from „Exposure target“.

For a good result you can adjust further values from the menu „Color Adjustment“. Depending on the exact model of your camera, certain menu points in the software might be inactive if not supported by the camera hardware.

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Manual BRESSER MikrOkular Full HD, Art. Nr. 5913650

Eyepiece camera for microscopes and telescopes, resolution 1920 x 1080 pixel (Full HD)

Scope of delivery:

- USB camera module w. dust cap, 23,2mm barrel (microscopes)
- Adapters 30mm und 30,5mm (microscopes); 31,7mm (1,25“) with locking screw (telescopes)
- Mini-USB cable
- Software CD „CamLabLite“

Software installation:

You find the capturing software for Win 7 / 8.1 / 10 on the CD. Doubleclick on the exe file and follow the instructions in the installation manager. It is not necessary to install a specific driver. The camera will be recognized automatically from suitable Windows operating systems.

Connect the camera to a microscope:

On many microscopes you can use the MikrOkular Full HD instead of an eyepiece. Loosen the eyepiece locking screw (if any) and pull out the eyepiece. The MikrOkular will then fit the eyepiece tube directly. On some models (e.g. dissecting microscopes) an adapter to 30mm or 30,5mm is needed. Put the respective adapter in the eyepiece tube and secure it with the locking screw from the microscope. Then put the camera into the adapter.

Connect the camera to a telescope:

The camera comes with an adapter that fits 31,7mm (1,25“) eyepiece barrels. Put the camera into the adapter and secure the adapter with the locking screw. Put the camera with adapter into the focuser draw tube, and use the locking screw from the telescope to secure it.

Note: Make sure the camera and adapter are mounted securely, so they cannot drop into the telescope's optical tube assembly!

Capturing images and video:

Connect the camera to your PC. Start the software „CamLabLite“ and activate the MikrOkularFull HD from the software's camera list. Use the focuser on our microscope / telescope to get a sharp image. Click „Snap“ (single image) or „record“ (video) to capture. Select where to save your files by clicking the „settings“  button. Choose the resolution of the live preview or from the captured image or video from the respective dropdown menu.

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