

KERN OXM 901 Camera Software Microscope VIS OXM-9 User Guide

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KERN OXM 901 Camera Software Microscope VIS OXM-9



Features

OXM 901*

- The camera software KERN microscope VIS Basic is a multi-lingual software, which we have developed especially for all available Kern microscope cameras
- As well as the streaming function for the object to be viewed, the software also offers you an image snapshot function, as well as a video function
- Various measuring functions such as, for example, functions for measuring distance, surfaces and angles and a manual counting function are available. In addition, there are extensive image processing and documentation functions available and of course an exporting function to Microsoft Office applications Word® and Excel®
- With the display settings, you can display different measurements, grid sizes, scales and rulers for the very best measuring procedure
- Automatic white balance and automatic contrast adjustment can be performed quickly and easily, which enables efficient working procedures

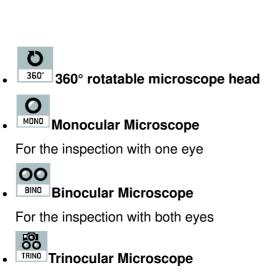
OXM 902

- With the camera software KERN microscope VIS Pro in essence, all functions of the Basic variant are supported, however, in addition many other features are integrated which can be used for image analysis at a more professional level.
- · The following highlights are included:
 - Image Stitching
 - Image Stacking
 - Expanded measuring functions
 - Auto counting function
 - DShow and TWAIN support
 - Software development kit
- · With this software it is possible operate all available KERN microscope cameras

Technical data

- Can be used for Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, 8.1 and Windows 10
- Depending on the language setting of your Windows operating system the software KERN microscope VIS
 Basic & Pro will be identified and installed in the current language. This can be changed manually at any time.
- The software is available in the following languages:
- OXM 901: German, English, Spanish, Italian, French, Portuguese, Polish
- **OXM 902:** German, English, Spanish, Italian, French, Portuguese, Polish, Russian, Turkish, Chinese, Japanese, Korean
- As well as the software CD, a USB cable and an object micrometer are included with all KERN cameras as
 well as all digital microscopes Please refer to the documentation for the software in the download area of our
 website.

Pictograms



For the inspection with both eyes and the additional option for the connection of a camera

Abbe Condenser

With high numerical aperture for the concentration and the focusing of light

Ф Halogen illumination

For pictures bright and rich in contrast

Ð LED illumination

Cold, energy-saving and especially long-life illumination

Incident illumination

For non-transparent objects

Transmitting illumination

For transparent objects

FL Fluorescence illumination

For stereomicroscopes

• FL-HBO Fluorescence illumination for compound microscopes

With 100 W mercury lamp and filter

FL-LED Fluorescence illumination for compound microscopes

With 3 W LED illumination and filter

0 PH Phase contrast unit

For a higher contrast

Darkfield condenser/unit

For a higher contrast due to indirect illumination



To polarise the light



Infinity-corrected optical system



For stereomicroscopes



For automatic control of the focus level



For stereomicroscopes, enables fatigue-proof working

SCALE Integrated scale

In the eyepiece



For data storage



For direct transmitting of the picture to a PC



• USB 3.0 USB 3.0 digital camera

For direct transmitting of the picture to a PC

WIFI WLAN data interface

For transmitting of the picture to a mobile display device

HDMI digital camera

For direct transmitting of the picture to a display device



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To transfer the measurements from the device to a PC

ATC Automatic temperature compensation

For measurements between 10 °C and 30 °C

Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013

Battery operation

Ready for battery operation. The battery type is specified for each device.

• RECHARGE Battery operation rechargeable

Prepared for a rechargeable battery operation



Plug-in power supply

230V/50Hz in standard version for EU. On request GB, AUS or USA version.

• 230 Integrated power supply unit

Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.



The time required to manufacture the product internally is shown in days in the pictogram.

Abbreviations

- C-Mount Adapter for the connection of a camera to a trinocular microscope
- FPS Frames per second
- **H(S)WF** High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)
- LWD Long Working Distance
- N.A. Numerical Aperture
- SLR camera Single-Lens Reflex camera
- **SWF** Super Wide Field (Field number at least Ø 23 mm for 10× eyepiece)
- W.D. Working Distance
- WF Wide Field (Field number up to Ø 22 mm for 10× eyepiece)

KERN & SOHN GmbH · Ziegelei 1 · 72336 Balingen · Germany ·

Tel. +49 7433 9933 - 0 www.kern-sohn.com info@kern-sohn.com

Documents / Resources



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Manuals+,