



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.

Cannot be used in combination with the following cameras: ODC 841, ODC 852, ODC 861, ODC 881

Pictograms

-  **360° rotatable microscope head**
-  **Monocular Microscope**
For the inspection with one eye
-  **Binocular Microscope**
For the inspection with both eyes
-  **Trinocular Microscope**
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
-  **Halogen illumination**
For pictures bright and rich in contrast
-  **LED illumination**
Cold, energy-saving and especially long-life illumination
-  **Incident illumination**
For non-transparent objects
-  **Transmitting illumination**
For transparent objects
-  **Fluorescence illumination**
For stereomicroscopes
-  **Fluorescence illumination for compound microscopes**
With 100 W mercury lamp and filter
-  **Fluorescence illumination for compound microscopes**
With 3 W LED illumination and filter
-  **Phase contrast unit**
For a higher contrast
-  **Darkfield condenser/unit**
For a higher contrast due to indirect illumination



- **Polarising unit**

To polarise the light



- **Infinity system**

Infinity-corrected optical system



- **Zoom magnification**

For stereomicroscopes



- **Auto-focus**

For automatic control of the focus level



- **Parallel optical system**

For stereomicroscopes, enables fatigue-proof working



- **Integrated scale**

In the eyepiece



- **SD card**

For data storage



- **USB 2.0 digital camera**

For direct transmitting of the picture to a PC



- **USB 3.0 digital camera**

For direct transmitting of the picture to a PC



- **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



- **PC software**

To transfer the measurements from the device to a PC



- **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.



- **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.



- **Integrated power supply unit**

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



- **Package shipment**

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 \varnothing 23 mm for 10× eyepiece)
- **W.D.** Working Distance
- **WF** Wide Field (Field number up to \varnothing 22 mm for 10× eyepiece)

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Documents / Resources



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IS OXM-9, Microscope VIS OXM-9