

## Specialists in microscopy for measurement, counting, documentation, archiving and image processing

### Features

- A large selection of microscope cameras is available for your individual applications
- The universal microscope cameras can be used anywhere and can be connected to the microscope as well as to a laptop or PC using the USB cable (USB 2.0 or USB 3.0, see table)
- The power supply is through the USB cable, which means that no additional power supply is required
- Your daily work is made significantly easier with the very best synchronisation, a high frame rate as well as stable image performance together with our camera software microscope VIS KERN OXM 901 which we deliver with the product
- For details about our software please refer to the "Camera software microscope VIS KERN OXM 901" product group in the catalogue (page 89) or see [www.kern-sohn.com](http://www.kern-sohn.com)
- These universal cameras can also be connected to all microscopes available on the market offering the appropriate C-mount adapter for the particular microscope

### C-mount cameras – USB 2.0 KERN ODC-1



ODC 132



ODC 152



USB-cable with micrometer slide



Eyepiece adapters

### Features

- These USB 2.0 cameras give particular good images in demanding applications, such as, for example, in darkfield, phase contrast and with fluorescence applications through improved light sensitivity of the sensors
- As well as the camera, the delivery includes our multi-lingual camera software Microscope VIS KERN OXM 901, a USB cable (Length: 1,8 m) and an object micrometer to calibrate the software
- Please order the appropriate C-Mount or eyepiece adapter to fit your KERN microscope

#### STANDARD



Model	Resolution	Interface	FPS	Sensor	Sensor size	Colour/ Monochrome	Supported operating system	
<b>KERN</b>								
<b>ODC 132 *</b>	3,1 MP	USB 2.0	5 – 30	CMOS	1/2"	colour	Win XP, Vista, 7, 8, 10	↓
<b>ODC 152 *</b>	5,1 MP	USB 2.0	3.5 – 30	CMOS	1/2,5"	colour	Win XP, Vista, 7, 8, 10	↓
<b>OBBA 14 14</b>	1× Eyepiece adapter (∅ 23,2 mm) for cameras from the ODC-1							
<b>OBBA 14 16</b>	1× Eyepiece adapter (∅ 30,0 mm) for cameras from the ODC-1							
<b>OBBA 14 17</b>	1× Eyepiece adapter (∅ 23,2 + 30,0 mm) for cameras from the ODC-1							

! \*ONLY WHILE STOCKS LAST      ↓ Price reduction

 360°	<b>360° rotatable microscope head</b>	 FL-LED	<b>Fluorescence illumination for compound microscopes</b> With 3 W LED illumination and filter	 WLAN	<b>WLAN data interface:</b> For transmitting of the picture to a mobile display device
 MONO	<b>Monocular Microscope</b> For the inspection with one eye	 PH	<b>Phase contrast unit</b> For a higher contrast	 HDMI	<b>HDMI digital camera</b> For direct transmitting of the picture to a display device
 BINO	<b>Binocular Microscope</b> For the inspection with both eyes	 DF	<b>Darkfield condenser/unit</b> For a higher contrast due to indirect illumination	 SOFTWARE	<b>PC software</b> To transfer the measurements from the device to a PC.
 TRINO	<b>Trinocular Microscope</b> For the inspection with both eyes and the additional option for the connection of a camera	 POLAR	<b>Polarising unit</b> To polarise the light	 AUTO ATC	<b>Automatic temperature compensation</b> For measurements between 10 °C and 30 °C
 ABBE	<b>Abbe Condenser</b> With high numerical aperture for the concentration and the focusing of light	 INFINITY	<b>Infinity system</b> Infinity corrected optical system	 IP	<b>Protection against dust and water splashes IPxx</b> The type of protection is shown by the pictogram.
 HAL	<b>Halogen illumination</b> For pictures bright and rich in contrast	 ZOOM	<b>Zoom magnification</b> For stereomicroscopes	 BATT	<b>Battery operation</b> Ready for battery operation. The battery type is specified for each device.
 LED	<b>LED illumination</b> Cold, energy saving and especially long-life illumination	 PARALLEL	<b>Parallel optical system</b> For stereomicroscopes, enables fatigue-proof working	 RECHARGE	<b>Battery operation rechargeable</b> Prepared for a rechargeable battery operation
 IL	<b>Incident illumination</b> For non-transparent objects	 SCALE	<b>Integrated scale</b> In the eyepiece	 230 V	<b>Mains adapter</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
 TL	<b>Transmitting illumination</b> For transparent objects	 SD	<b>SD card</b> For data storage	 230 V	<b>Power supply</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 FL	<b>Fluorescence illumination</b> For stereomicroscopes	 USB 2.0	<b>USB 2.0 digital camera</b> For direct transmitting of the picture to a PC	 1 DAY	<b>Package shipment</b> The time required to manufacture the product internally is shown in days in the pictogram.
 FL-HBO	<b>Fluorescence illumination for compound microscopes</b> With 100 W mercury lamp and filter	 USB 3.0	<b>USB 3.0 digital camera</b> For direct transmitting of the picture to a PC		

## Abbreviations

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

## Your KERN specialist dealer: