



## The entry level video microscope with bright image reproduction and intuitive operation



Zoom wheel with click stop



NEW: KERN OIV 901: Universal stands with hinged arm for clamping onto the edge of the bench



NEW: KERN OIV 902: Universal stands with hinged arm for screw onto a bench surface

## Features

- The KERN OIV-3 is a video microscope which has been constructed to optimise digital stereo microscopy. Our well-conceived, comprehensive solution with axial optical unit enables immediate, simple display of your samples on the screen
- The LED incident illumination unit (ring) included as standard guarantees the very best illumination of your sample
- Combined with the large working surface, recording objects on the screen is ideally suited for monitoring, analysis and documentation in industrial environments
- The excellent optical unit enables continuous sharp image tracking across the entire zoom range from 0,7× - 4,5×
- The powerful 5.0 megapixel camera of the microscope without eyepiece has a high level of colour reproduction and offers smooth live monitoring of your samples using the HD monitor
- The high-quality display made from toughened glass is easy to clean due to the absence of edges
- The intuitive software and wireless USB mouse, both included with delivery, make it possible for you to easily process your results digitally and store them
- Using a HDMI interface it is possible to connect an additional monitor and in this way you can observe two devices operated in parallel in real time

- The image can be viewed on the PC using a USB connection. The software required for this also offers the option of carrying out measurements. It is available for download
- A special feature of this microscope range are the zoom wheels with integrated click stop. These offer precise selection of magnification levels and support the user when calibrating the documentation functions in the software
- The video microscope has one HDMI and two USB 2.0 interfaces as well as a micro SD card slot
- A protective dust cover, a USB stick (32 GB), a wireless USB mouse as well as multi-lingual user instructions are included in the delivery
- Menu languages: DE, EN, FR, IT, RU, JA, ZH

## NEW: KERN OIV-9

- The integrated universal stands with hinged arm enable flexible working with the most varied samples, even with greater working distances. In addition, the microscope can be pushed to the side if necessary, to create space
- KERN OIV 901: Universal stands with hinged arm for clamping: The user simply attaches the microscope to the edge of a bench using the clamping device delivered with the product
- KERN OIV 902: Universal stands with hinged arm for screw onto a bench surface. Hole required

## Technical data

- Optical system: Axial
- Screen: 12", 1920×1080 HD, -5° - 90° inclination
- Magnification ratio 6,4:1
- Frame rate: 60 fps
- Camera resolution: 5 MP
- Stand: mechanical
- Illumination: 3 W-LED ring (Reflected light)
- Brightness adjustable
- Data storage: External using USB (Max 32 GB)
- Working distance: 100 mm
- Maximum sample height: 110 mm
- Overall dimensions W×D×H  
KERN OIV-3: 320×260×450 mm  
KERN OIV-9: 320×260×450 mm
- Length jointed arm KERN OIV-9: 533 mm
- Net weight approx. 4,4 kg

## Accessories

- Conversion objective lens 0,5×, KERN OBB-A3225
- Conversion objective lens 2,0×, KERN OBB-A3226
- Solder protection lens, KERN OBB-A3227
- Object holder for micrometer (multi), KERN ODC-A2404
- Cleaning Sets for Microscopes, KERN OCS 901

### STANDARD



Model	Resolution camera	Interface	Sensor	Field of view	Objective Zoom	Software functions
				mm		
<b>OIV 345</b>	5 MP	USB 2.0, HDMI, MicroSD (60 fps)	CMOS 1/2,8"	Ø 16 - 2,5	0,7 × - 4,5 ×	Images and videos, documentation
<b>OIV 901</b> 	5 MP	USB 2.0, HDMI, MicroSD (60 fps)	CMOS 1/2,8"	Ø 16 - 2,5	0,7 × - 4,5 ×	Images and videos, documentation
<b>OIV 902</b> 	5 MP	USB 2.0, HDMI, MicroSD (60 fps)	CMOS 1/2,8"	Ø 16 - 2,5	0,7 × - 4,5 ×	Images and videos, documentation

### New model