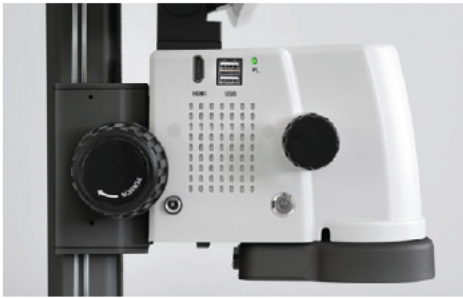


5



VIDEO MICROSCOPES



Zoom wheel with click-stop

The beginner’s video microscope with the simplest handling for applications of all kinds

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 eyepieces offers, thanks to the HDMI output, smooth live monitoring of your samples from the HD monitor. In addition, the software which is easy to use, the USB wireless mouse which are integral components of the delivery, mean you can process and store your results digitally.

- An additional HDMI interface makes it possible to connect an external monitor and thus enable live observation on two devices operated in parallel
- A special feature of this microscope series are the zoom wheels with integrated click-stop. This offers precise selection of the magnification level and supports the user in calibrating the documentation functions in the software
- A protective dust cover, as well as multi-lingual user instructions are included in the scope of the delivery

Technical data

- Optical system: Axial
- Brightness adjustable
- Screen: 12", 1920×1080 HD, -5°– 90° inclination
- Magnification ratio: 6,4:1
- Stand: arm curved
- Illumination: 3 W LED ring (incident)
- Data storage: External using USB (Max 128 GB)
- Working distance: 100 mm
- Maximum sample height: 110 mm
- Overall dimensions W×D×H 260×320×450 mm
- Net weight approx. 4,4 kg

Accessories

- Conversion objective lens 0,5x, KERN OBB-A3225
- Conversion objective lens 2,0x, KERN OBB-A3226

STANDARD

LED

IL

ZOOM

USB 2.0

HDMI

230 V

1 DAY

Model	Standard configuration					
	Resolution camera	Interface	Sensor	Field of view mm	Objective Zoom	Software functions
KERN						
OIV 345	5 MP	HDMI (60 FPS)	CMOS 1/2,8"	ø 16 – 2,5	0,7×–4,5×	Images and videos, documentation



OIV 254 Snapshot button

5



The comprehensive digital solution for increased working comfort when carrying out continuous monitoring work in industry.

Features

- The Kern OIV-2 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×–5×

- The powerful 2.0 megapixel camera of the microscope without eyepieces offers, thanks to the HDMI output, smooth live monitoring of your samples from the HD monitor. In addition, the software which is easy to use, the USB stick as well as the USB mouse which are integral components of the delivery, mean you can process and store your results digitally
- With the OIV 254 model, there is the option of image capture at the push of a button, without having to detour via the software. Whereas the OIV 255 guarantees software-controlled taking of images and videos with additional, documentation functions
- A protective dust cover, as well as multi-lingual user instructions are included in the scope of the delivery

Technical data

- Optical system: Axial
- Brightness adjustable
- Screen: 12", 1920×1080 HD, -5°–15° inclination
- Magnification ratio: 7,1:1
- Stand: arm curved
- Illumination: 2 W LED ring (incident)
- Data storage: External using USB (Max 128 GB)
- Working distance: 105 mm
- Maximum sample height: 100 mm
- Overall dimensions W×D×H 320×260×483 mm
- Net weight approx. 6 kg

Accessories

- Auxiliary objective 0,5×, KERN OZB-A2101

STANDARD

Model	Standard configuration					
	Resolution camera	Interface	Sensor	Field of view mm	Objective Zoom	Software functions
KERN						
OIV 254	2 MP	HDMI (60 FPS)	CMOS 1/2"	ø 29,82–4,18	0,7×–5×	Image capture
OIV 255	2 MP	HDMI (60 FPS)	CMOS 1/2"	ø 29,82–4,18	0,7×–5×	Images and videos, documentation



Side view with screen connected (not included with delivery)

The professional video microscope with auto-focus

Features

- The Kern OIV-6 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 suitable in the industrial sector
- The excellent optical unit enables continuous sharp image tracking across the entire zoom range from 0,7×–4,5×
- Through the integrated auto-focus, the focus level can also be optimised within a defined image section

- The powerful 2.0 megapixel camera of the microscope without eyepieces offers, thanks to the HDMI output, smooth live monitoring of your samples using an external monitor (not included with delivery). In addition, the software which is easy to use, the USB stick as well as the USB mouse which are integral components of the delivery, mean you can process and store your results digitally
- The OIV 656 guarantees software-controlled taking of images and videos with additional, documentation functions
- Multi-lingual user instructions are included in the scope of the delivery

Technical data

- Optical system: Axial
- Brightness adjustable
- Magnification ratio: 6,5:1
- Stand: arm curved
- Illumination: 3 W LED ring (incident)
- Data storage: External using USB (Max 128 GB)
- Working distance: 91 mm
- Maximum sample height: 85 mm
- Overall dimensions W×D×H 372×285×482 mm
- Net weight approx. 7 kg

Accessories

- Auxiliary objective 0,5×, KERN OZB-A6101
- Auxiliary objective 2,0×, KERN OZB-A6102

STANDARD

LED

IL

AF

ZOOM

USB 2.0

HDMI

230 V

1 DAY

Model	Standard configuration					
	Resolution camera	Interface	Sensor	Field of view mm	Objective Zoom	Software functions
KERN						
OIV 656	2 MP	HDMI (30 FPS)	CMOS 1/2,8"	ø 12,64–2,65	0,7×–4,5×	Images and videos, documentation