PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OIV 355

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

ENGLISH



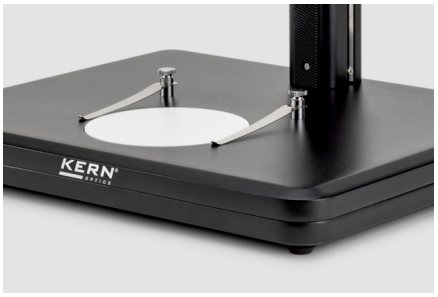
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FEATURES

- The KERN OIV 355 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
- Combined incident- and transmitted-light illumination:
  - The LED incident illumination unit (ring) included as standard guarantees the very best illumination of your sample
  - The transmitted-light LED integrated in the stand supplements the incident-light illumination for flexible sample illumination. This enables the examination of thin, transparent samples such as thin cuttings, films and cell cultures
- 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 0,7x – 4,5x
- The integrated display has a scaling factor of 22,8, which means that the displayed total magnification is 15,96x – 102,6x
- 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 an 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 and analysed on a PC or laptop using a USB connection. The required software S-VIEWER is available to download free of charge
- 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

MAIN SCOPE OF APPLICATIONS

- Repair companies for mobile devices and electronics
- Quality control
- material testing
- Electronics and semiconductor industry
- Training, Teaching
- Research
- Mineralogy
- Biology
- Laboratories
- tissue preparation
- detection of parasites

TECHNICAL DATA

- Optical system: Axial
- LCD Screen: 11.6", 1920×1080 HD, 0° - 45° inclination
- Magnification ratio: 6,4:1
- Frame rate: 60 fps
- Camera resolution 5 MP
- Stand: mechanical
- Illumination: 3 W LED ring (Reflected light Transmitted light)
- Illumination infinitely dimmable
- Data storage: External using USB (Max 32 GB)
- Working distance: 100 mm
- Maximum sample height: 110 mm
- Overall dimensions W×D×H 320×260×450 mm
- Net weight approx. 6 kg

PICTOGRAMS

Standard



ACCESSORIES

Model	Description
822-903	Power cord (UK) 822-903
MLB-A09	Power cord (US) MLB-A09
OBB-A3225	Auxiliary objective OBB-A3225
OBB-A3226	Auxiliary objective OBB-A3226
OBB-A3227	Solder protection lens OBB-A3227
OBB-A3237	USB interface cable OBB-A3237
OBB-A3240	Auxiliary objective OBB-A3240
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ODC-A2404	Calibration slide ODC-A2404
OZB-A2182	USB memory stick 8 GB OZB-A2182
OZB-A4805	Stand insert frosted glass OZB-A4805
OZB-A4806	Stand insert Black/White OZB-A4806
YKK-01	Power cord (CH) YKK-01

SOFTWARE

Model	Description
OXM 904	KERN microscope software OXM 904 S-VIEWER

KERN Pictogram Overview

	LED illumination: Cold, energy saving and especially long-life illumination
	Incident illumination: For non-transparent objects
	Transmitting illumination: For transparent objects
	Zoom magnification: For stereomicroscopes
	For data storage on a microSD card
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	HDMI digital camera: For direct transmitting of the picture to a display device
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	Package shipment by courier service: The duration of internal product provision is one day

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