KERN **OIV 345**

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



Category	
Brand	Optics
Product categoriy	Microscope
Product group	Video microscope
Product family	OIV-3

Display	
Display type	LCD
Display screen size	12"
Display resolution	1920×1080 HD
Languages of the user interface	German English French Spanish Italian Russian

Construction	
Dimension (W×D×H)	320×260×450 mm
Dimension display device (W×D×H)	275×170×12 mm
Material display housing	Plastics
Optical system	Axial
Tube type	Trinocular
Contrasting methods	Bright field

Functions	
Camera - Applicable software	integrated
Camera - Software functions	Image capturing Video capturing Image editing/ Documentation Measurements
Memory - total size	32 GB

Interface	
Interfaces	USB 2.0 HDMI MicroSD card slot

Objective	
Objectives magnifications	0,7 x - 4,5 x

Illumination	
Illuminance	Reflected light
Illumination type incident light	LED
Illumination intensity incident light	3 W
Illumination dimmable	Incident light

Focussing	
Field of view [Min]	2,5 mm
Field of view [Max]	16 mm
Zoom [Min]	0,7 x
Zoom [Max]	4,5 x
Sample height [Max]	110 mm
Working distance	100 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

Stereomicroscope stand	
Stand type	mechanical

Camera	
Cameratype	integrated tablet-camera
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Framerate	60 fps
Camera - Exposure method	Rolling Shutter

Power Supply	
Supplied power supply	Power supply unit
Plug-in power supply type	Table power supply (separable)
Plug-in power supply / adapter for countries - optional	UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 2000 mA

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Environmental conditions	
Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Approval	
CE mark	✓

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	420×390×250 mm
Net weight	4,3 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	8,2 kg

Pictograms

STANDARD

