

KERN OIV 345

KERN

The entry level video microscope with the simplest operation for all types of applications



Category

Brand	Optics
Product category	Microscope
Product group	Video microscope
Product family	OIV-3

Approval

CE mark	✓
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Display

Display type	LCD
Display screen size	12"
Display resolution	1920×1080 HD

Construction

Dimension (W×D×H)	320×260×450 mm
Dimension display device (W×D×H)	280×170×12 mm
Material display housing	Plastics
Optical system	Axial
Contrasting methods	Bright field
Cameratype	integrated tablet-camera
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,8"
Camera - Resolution	5 MP
Camera - Colour depth	Colour
Camera - Framerate	60 fps
Camera - Exposure method	Rolling Shutter

Focussing

Torque regulation	✓
Working distance	100 mm

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

Illumination

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

Functions

Memory - total size	128 GB
Interfaces	HDMI MicroSD card slot USB-Device
Camera - Software functions	Image capturing Video capturing Image editing/ Documentation
Camera - Applicable software	integrated

Power Supply

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

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	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

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Pictograms

STANDARD

