

# KERN OIV 345

# KERN

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



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

<b>Illumination</b>	
Illumination type incident light	LED
Illumination intensity incident light	3 W
Illuminance	Reflected light
Illumination dimmable	Incident light

<b>Functions</b>	
Memory - total size	128 GB
Interfaces	HDMI MicroSD card slot USB-Device
Software functions camera	Image capturing Video capturing Image editing/ Documentation
Camera - applicable software	integrated

<b>Power Supply</b>	
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 - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO UK US CH

<b>Environmental conditions</b>	
Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

<b>Packing &amp; Shipping</b>	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	420×390×250 mm
Net weight	4,3 kg

<b>Category</b>	
Brand	Optics
Product category	Microscope
Product group	Video microscope
Product family	OIV-3

<b>Approval</b>	
CE mark	✓

<b>Display</b>	
Display type	LCD
Display screen size	12"
Display resolution	1920×1080 HD

<b>Construction</b>	
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
Camera type	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

<b>Focussing</b>	
Torque regulation	✓
Working distance	100 mm

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Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	8,2 kg

## Pictograms

### STANDARD

