

KERN OBE 124C832

KERN

Our all-round compound microscope as a comprehensive digital solution for schools, training and laboratories



Supported operating systems	Win XP
	Win Vista
	Win 7
	Win 8
	Win 10

Interface

Interfaces	USB 3.0
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Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	18 mm
Ocular diameter	23,2 mm

Illumination

Illuminance	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Filter possible	✓

Focussing

Field of view [Min]	0,18 mm
Field of view [Max]	4,5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Camera

Cameratype	USB3 Microscope camera - C-Mount
Camera - Resolution	5,1 MP
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Colour depth	Colour
Camera - Framerate	14,2 - 101,2 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter

Category

Brand	Optics
Product category	Microscope
Product group	Digital microscope set
Product family	OBE-S

Construction

Dimension (W×D×H)	360×150×390 mm
Optical system	Finite
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	20:80

Contrasting methods	Bright field Darkfield (optional) Polarisation (optional)
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Standard objectives	4× 10× 40×
Lens quality	achromatic
Nosepiece screw-in locations	4
Eyepieces fixed	✓
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	6000 K

Functions

Camera - Applicable software	external (OXM 901, OXM 902)
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Plug-in power supply / adapter for countries - included with the delivery EURO

Plug-in power supply / adapter for countries - optional AUS
UK
US
CH

Input voltage power supply / power [Max] 100 - 240 V

Input voltage device / power [Max] 5 V, 1 A

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) 560×440×330 mm
Net weight 5,768 kg
Shipping method Parcel service
Net weight approx. 6 kg
Gross weight approx. 8 kg
Shipping weight 16,3 kg

Pictograms

STANDARD



OPTION

