KERN **OZM 544C832**

KERN

First-class optics as well as strong illumination combined with a high level of flexibility and digital tools

Category

Brand	Optics
Product categoriy	Microscope
Product group	Digital microscope set
Product family	OZM-S

Approval

CE mark	✓

Construction

Dimension (W×D×H)	330×285×510 mm
Optical system	Greenough
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Diopter adjustment	both-sided
Diopter adjustment [Min]	-6
Diopter adjustment [Max]	6
Contrasting methods	Bright field Darkfield (optional)
Light distribution	100:0
Interpupillary distance [Max]	76 mm
Interpupillary distance [Min]	52 mm
Camera type	USB3 Microscope camera - C-Mount
Camera sensor type	CMOS
Camera sensor size	1/2,5"
Camera resolution	5,1 MP
Camera colour depth	Colour
Camera framerate	14,2 - 101,2 fps
Camera mounting types	C-mount thread
Camera - exposure method	Rolling Shutter

Ocular

Ocular field width	HSWF
Ocular magnifications	10 x
Ocular visual field	23 mm
Ocular diameter	30 mm

Focussing

Torque regulation	✓
Working distance	110 mm
Zoom [Min]	0,7 x
Zoom [Max]	4,5 x
Magnification ratio	6,4:1
Field of view [Min]	5,1 mm
Field of view [Max]	32,8 mm
Focusing mechanism	coarse drive
Sample height [Max]	130 mm

Illumination

Illumination type incident light	LED
Illumination intensity incident light	3 W
Illumination intensity transmitted light	3 W
Illumination type transmitted light	LED
Illuminance	Transmitted light
Illumination dimmable	Incident light + Transmitted light, separate

Functions

Interfaces	USB 3.0
Supported operating systems	Win XP Win Vista Win 7 Win 8 Win 10
Camera - applicable software	external (OXM 901, OXM 902)

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO

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Plug-in power supply / adapter for countries - optional	AUS 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)	590×440×390 mm
Net weight	5,5316 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	20,2 kg

Pictograms