KERN **OZM 544C832**

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



Category

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

Construction

Dimension (W×D×H)	330×285×510 mm
Optical system	Greenough
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Light distribution	0:100
Contrasting methods	Bright field Darkfield (optional)
Interpupillary distance [Min]	52 mm
Interpupillary distance [Max]	76 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-6
Diopter adjustment [Max]	6

Functions

Camera - Applicable software	Microscope VIS 2.0 Pro (OXM 902)
Supported operating systems	Win XP Win Vista Win 7 Win 8 Win 10

Interface

Interfaces	USB 3.0

Ocular

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

Objective

Objectives magnifications	0,7x - 4,5x

Illumination

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

Focussing

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

Stereomicroscope stand

Stand type	pillar
Diameter mounting microscope head (Ø)	76 mm

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

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Power Supply	
Supplied power supply	Power supply unit
Power supply type	Built-in power supply
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
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 2000 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

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)	590×440×390 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	20,2 kg
Shipping volume weight	20,2 kg

Product information	
GTIN/EAN number	4045761228733
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

