

# KERN OZM 544C825

# KERN

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

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	330×285×510 mm
Optical system	Greenough
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Eyepieces fixed	✓
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	6,8 - 55 fps
Camera mounting types	C-mount thread

Camera - exposure method	Rolling Shutter
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## 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 Incident light + Transmitted light, separate
Illumination dimmable	

## Functions

Interfaces	USB 2.0 Win XP Win Vista
Supported operating systems	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

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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