

# KERN OZL 468C832

# KERN

The flexible, affordable all-rounder with zoom function as a digital solution for schools, training companies, inspection authorities and laboratories.



## Category

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

## Construction

Dimension (W×D×H)	300×240×490 mm
Optical system	Greenough
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Light distribution	100:0
Contrasting methods	Bright field
Eyepieces fixed	✓
Interpupillary distance [Min]	55 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

## Functions

Camera - Applicable software	external (OXM 901, OXM 902)
	Win XP
	Win Vista
Supported operating systems	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	20 mm
Ocular diameter	30 mm

## Objective

Objectives magnifications	0,7 x - 4,5 x
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## 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]	4,4 mm
Field of view [Max]	28,6 mm
Zoom [Min]	0,7 x
Zoom [Max]	4,5 x
Sample height [Max]	140 mm
Torque regulation	✓
Working distance	105 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

## Stereomicroscope stand

Stand type	mechanical
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
Plug-in power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH
Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V

## Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

## Approval

CE mark	✓
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## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Net weight	4,865 kg
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	7 kg
Shipping weight	20,2 kg

## Pictograms