KERN **OZL 468C825**

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

Interface

Interfaces	USB 2.0

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

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	USB2 Microscope camera - C-Mount
Camera - Resolution	5 MP
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
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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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
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]	100 - 240 V

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
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