

KERN OZL 464T24 1

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

Approval

CE mark	✓
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Display

Display type	LCD touch
Display type	LCD touch
Display screen size	9,7"
Display resolution	2048×1536

Construction

Dimension (W×D×H)	300×240×640 mm
Optical system	Greenough
Tube type	Trinocular
Tube angle of inclination	45°
Tube 360° rotation	✓
Dioptr adjustment	both-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5
Contrasting methods	Bright field
Light distribution	100:0
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	55 mm
Camera - Adapter type	C-Mount
Supported camera types	Microscope Camera
Camera type	Tablet camera
Camera - Sensor type	Sony CMOS

Camera - Sensor size	1/2,8"
Camera - Resolution	5 MP
C-Mount focusable	✓
C-Mount magnification	0,5 x
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	30 mm

Focussing

Torque regulation	✓
Working distance	105 mm
Zoom [Min]	0,7 x
Zoom [Max]	4,5 x
Magnification ratio	6,4:1
Field of view [Min]	4,4 mm
Field of view [Max]	28,6 mm
Focusing mechanism	coarse drive
Sample height [Max]	140 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	Reflected light Transmitted light
Illumination dimmable	Incident light + Transmitted light, separate

Functions

Memory - total size	128 GB
Interfaces	WiFi standard USB 2.0 HDMI MicroSD card slot
Supported operating systems	Android
Camera - Applicable software	integrated

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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
	AUS
Plug-in power supply / adapter for countries - optional	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	5,075 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	7 kg
Shipping weight	20,2 kg

Pictograms