

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

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	✓
Light distribution	0:100
Contrasting methods	Bright field
Interpupillary distance [Min]	55 mm
Interpupillary distance [Max]	75 mm
Dioptr adjustment	both-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5
C-Mount magnification	0,5x
C-Mount focusable	✓
Supported camera types	Microscope Camera

Functions

Camera - Applicable software	integrated camera software (HDMI)
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Supported operating systems	Android
Memory - total size	128 GB

Interface

Interfaces	WiFi USB 2.0 HDMI MicroSD card slot
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Ocular

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

Objective

Objectives magnifications	0,7x - 4,5x
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Illumination

Illuminance	Reflected light 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]	0,7x
Zoom [Max]	4,5x
Sample height [Max]	140 mm
Torque regulation	✓
Working distance	105 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

Stereomicroscope stand

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

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Camera

Cameratype	Tablet camera
Camera - Adapter type	C-Mount
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

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
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH
Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	100 - 240 V
Power socket for mains adapter	Power supply cable

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
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	7 kg
Shipping weight	20,2 kg

Product information

GTIN/EAN number	4045761490789
REACH classification	no prohibited substances

Pictograms