KERN **OZL 464T241**

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

Date of creation: 13.11.2026

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
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
C-Mount magnification	0,5x
C-Mount focusable	✓
Supported camera types	Microscope Camera

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

Interface	
Interfaces	WiFi USB 2.0 HDMI MicroSD

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

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

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Stereomicroscope stand

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

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
Plug-in power supply / adapter for countries - optional	AUS 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	✓

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
Shipping volume weight	20,2 kg

Product information

GTIN/EAN number	4045761490789
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD