

KERN OBN 135T25 1

Digital set with microscope, 4K camera and C-mount adapter for convenient observation and precise documentation of the sample



Category

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

Display

Display type	HD Touch Screen
Display screen size	10,5"
Display resolution	1920x1280
Languages of the user interface	German English

Construction

Dimension (W×D×H)	390×235×620 mm
Dimension display device (W×D×H)	237×19×169 mm
Material display housing	plastic
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

Bright field
Darkfield (optional)
Polarisation (optional)
Fluorescent (optinal)
Phase contrast (optional)

Standard objectives

4×
10×
20×

	40× 100×
Lens quality	Infinity Plan
Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Colour temperature	6000 K

Functions

Camera - Applicable software	integrated camera software (HDMI)
Camera - Software functions	Image capturing Video capturing Measurements
Supported operating systems	Android
Memory - total size	32 GB

Interface

Interfaces	Ethernet Bluetooth WiFi USB 2.0 USB 3.0 HDMI
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Ocular

Ocular field width	HWF
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Illumination

Illuminance	Transmitted light
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Illumination dimmable	Transmitted light
Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

Focussing

Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Torque regulation	✓

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Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Condensator

Condensator type	Abbe
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Camera

Cameratype	Tablet camera
Camera - Resolution	8 MP 4 K
Camera - Sensor type	CMOS
Camera - Sensor size	1/1,8"
Camera - Colour depth	Colour
Camera - Framerate	30 fps
Camera- Mounting types	C-mount
Camera - Exposure method	Rolling Shutter
Camera - Sensor dimensions	7,736×4,379 mm
Camera - Sensor Diagonal	8,88 mm
Camera - Pixel size	2×2 µm
Camera - Exposure time [Min]	0 ms
Camera - Exposure time [Max]	1000 ms

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
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]	5 V 1000 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

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.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

Product information

GTIN/EAN number	404576 1490895
REACH classification	no prohibited substances

Pictograms

STANDARD

