KERN **OBN 135T241**

The digital laboratory assistant with infinity optical unit and professional Koehler illumination



Category

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

Display

Display resolution	2048×1536

Construction

Dimension (W×D×H)	390×235×620 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	100:0
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
C-Mount magnification	0,5 x
C-Mount focusable	✓
Supported camera types	Microscope Camera

Functions

Camera - Applicable software	integrated
Supported operating systems	Android
Memory - total size	128 GB

Interface

Interfaces	WiFi standard USB 2.0 HDMI MicroSD card slot

Ocular

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

Illumination

Illuminance	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	LED
Illumination intensity transmitted light	3 W
Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓

Focussing

Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Camera

Cameratype	Tablet camera
Camera - Adapter type	C-Mount
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"

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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
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	10,973 kg
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

Pictograms