

KERN OBN 135T24 1

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



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

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

Interface	
Interfaces	WiFi USB 2.0 HDMI MicroSD card slot

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
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

Category

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

Display

Display resolution	2048×1536
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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	0:100 80:20

Contrasting methods	Bright field
	Darkfield (optional)
	Polarisation (optional)
	Fluorescent (optional)
	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

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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

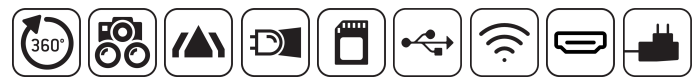
Delivery time	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

Product information

GTIN/EAN number	4045761228535
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

