KERN **OBN 135C832**

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

KERN

Category

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

Approval

CE mark	✓

Construction

Dimension (W×D×H)	390×200×470 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Standard objectives	4× 10× 20× 40× 100×
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field Darkfield (optional) Polarisation (optional) Fluorescent (optinal) Phase contrast (optional)
Light distribution	100:0
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm
Colour temperature	6000 K

Cameratype	USB3 Microscope camera - C-Mount
Camera - Sensor type	CMOS
Camera - Sensor size	1/2,5"
Camera - Resolution	5,1 MP
Camera - Colour depth	Colour
Camera - Framerate	14,2 - 101,2 fps
Camera- Mounting types	C-mount thread
Camera - Exposure method	Rolling Shutter

Ocular

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

Focussing

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

Illumination

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

Functions

Interfaces	USB 3.0
Supported operating systems	Win XP Win Vista Win 7 Win 8 Win 10
Camera - Applicable software	external (OXM 901, OXM 902)

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V

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Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH

Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	590×440×390 mm
Net weight	10,763 kg
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	14 kg
Shipping weight	20,2 kg

Pictograms