

KERN OIV 255

KERN

The comprehensive digital solution for increased working comfort when carrying out continuous monitoring work in industry



Category

Brand	Optics
Product category	Microscope
Product group	Video microscope
Product family	OIV-2

Approval

CE mark	✓
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Display

Display type	LCD
Display screen size	12"
Display resolution	1920×1080 HD

Construction

Dimension (W×D×H)	320×260×483 mm
Optical system	Axial
Contrasting methods	Bright field
Camera - Sensor type	CMOS
Camera - Sensor size	1/2"
Camera - Resolution	2 MP
Camera - Colour depth	Colour
Camera - Framerate	60 fps
Camera - Exposure method	Rolling Shutter

Focussing

Torque regulation	✓
Working distance	105 mm
Zoom [Min]	0,7 x
Zoom [Max]	5 x
Magnification ratio	7,1:1

Field of view [Min]	4,18 mm
Field of view [Max]	29,82 mm
Focusing mechanism	coarse drive
Sample height [Max]	100 mm

Illumination

Illumination type incident light	LED
Illumination intensity incident light	2 W
Illuminance	Reflected light
Illumination dimmable	Incident light

Functions

Memory function	✓
Memory - total size	128 GB
Interfaces	HDMI USB-Device
Camera - Applicable software	integrated

Power Supply

Input voltage power supply / power [Max]	110 - 220 V
Input voltage device / power [Max]	12 V, 3,3 A
Plug-in power supply type	Table power supply (not separable, no ground contact)
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	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)	510×430×350 mm
Net weight	5,174 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	15,4 kg

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Pictograms

STANDARD

