

# 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

