

KERN ODC 854



4K microscope camera with state-of-the-art Sony sensor and HDMI and USB output for maximum flexibility



Date of creation: 12.07.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Microscope camera
Product family	ODC-85
Display	
Languages of the user interface	German English French Italian Russian
Construction	
Dimension (W×D×H)	63×63×55 mm
HDMI cable length	1500 mm
Functions	
Camera - Applicable software	integrated camera software (HDMI) S-Viewer (OXM 904)
Camera - Software functions	Image capturing Video capturing Image editing/ Documentation Measurements
Supported operating systems	Win 10 Win 11
System requirements CPU	Quad-Core, x64
System requirements RAM	8 GB

System requirements SSD storage 256 GB SSD

System requirements graphics card DirectX 12

System requirements screen 20" HD or larger

System requirements clock speeds 2.8 GHz

Interface

Interfaces	USB 2.0 USB 3.0 HDMI
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Camera

Cameratype	4K microscope camera
Camera - Resolution	8 MP 4 K
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/1,8"
Camera - Colour depth	Colour
Camera- Mounting types	C-mount
Camera - Exposure method	Rolling Shutter
Camera - Sensor dimensions	7,18×5,32 mm
Camera - Sensor Diagonal	8,89 mm
Camera - Pixel size	2×2 µm
Camera - FPS range 1	30 FPS
Camera - Resolution range 1	3840*2160
Camera - Exposure time [Min]	0,2 ms
Camera - Exposure time [Max]	33,3 ms

Power Supply

Supplied power supply Power supply unit

Power supply type Power adapter

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 V - 240 V AC, 50 / 60 Hz

Power supply cable removable removable

Input voltage device / power [Max] 12 V DC, 1000 mA

Power socket for mains adapter Inside plus, outside minus

Environmental conditions

Storage temperature [Min] -5 °C

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Storage temperature [Max] 40 °C

Approval

CE mark ✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	200×160×85 mm
Shipping method	Parcel service
Net weight approx.	0,60 kg
Gross weight approx.	0,70 kg
Shipping weight	0,68 kg
Shipping volume weight	0,5 kg

Product information

ATTR_warrantyTime	36 mon
Trade number	90119000
GTIN/EAN number	4045761496569

Pictograms

STANDARD



OPTION

