KERN **ODC 854**

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



Date of creation: 25.10.2026

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	
Supported operating systems	Win 10 Win 11
Camera - Software functions	Image capturing Video capturing Image editing/ Documentation Measurements
Camera - Applicable software	integrated camera software (HDMI) S-Viewer (OXM 904)
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	13" Full HD, 1920x1080
System requirements clock speeds	2.8 GHz

Interface	
Interfaces	USB 2.0 USB 3.0 HDMI

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

Packing & Shipping

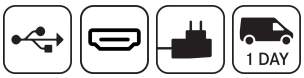
Delivery time	1 d
Dimensions packaging (W×D×H)	200×160×85 mm
Shipping method	Parcel service
Net weight approx.	0,60 kg
Gross weight approx.	0,70 kg
Shipping weight	0,68 kg
Shipping volume weight	0,5 kg

Product information

GTIN/EAN number	4045761496569
Trade number	90119000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

