KERN **ODC 861**

The cooled camera for professional fluorescence examinations

Date of creation: 14.11.2026

Category	
Brand	Optics
Product category	Microscope
Product group	Microscope camera
Product family	ODC-86

Construction	
Dimension (W×D×H)	80×80×103 mm

Functions	
Supported operating systems	Win 8 Win 10 Win 11
Camera - Applicable software	Microscope VIS 2.0 Pro (OXM 902)
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 3.0

Camera	
Cameratype	USB3 Microscope Camera (Cooling) - C-Mount
Camera - Resolution	20 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1"
Camera - Colour depth	Colour
Camera- Mounting types	C-mount
Camera - Exposure method	Rolling Shutter
Camera - Sensor dimensions	13,056×8,755 mm
Camera - Pixel size	2,4×2,4 µm
Camera - FPS range 1	19 FPS
Camera - Resolution range 1	5440x3648
Camera - FPS range 2	49 FPS
Camera - Resolution range 2	2736x1824
Camera - FPS range 3	59 FPS
Camera - Resolution range 3	1824x1216
Camera - Exposure time [Min]	0,1 ms
Camera - Exposure time [Max]	3600000 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 - 240 V AC, 50/60 Hz, 1,0 A
Power supply cable removable	removable
Input voltage device / power [Max]	12 V | 3 A | 36 W
Power socket for mains adapter	Inside plus, outside minus

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

Approval	
CE mark	✓

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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	270×250×130 mm
Shipping method	Parcel service
Net weight approx.	2,6 kg
Gross weight approx.	2,6 kg
Shipping weight	2,5765 kg
Shipping volume weight	1,8 kg

Product information

GTIN/EAN number	4045761235748
Trade number	90119000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD