

PRODUCT BROCHURE

OPTICS ODC 861

Date: 15.12.2025

ENGLISH



The cooled camera for professional fluorescence examinations

CONTACT

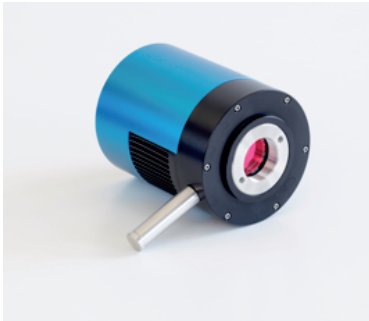
KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



DESCRIPTION

- The ODC 861 camera with Peltier cooling technology has been specially designed for fluorescent applications. It is able to significantly compensate for image noise associated with weak lighting. Due to its high resolution and light-sensitive Sony CMOS colour sensor it proves first-class images. The practical, sturdy storage box serves as protection and for transportation of this premium camera
- Realtime images can be transferred straight to a PC or laptop using the integrated USB 3.0 interface. As an alternative, two USB 2.0 interfaces are available, to operate the camera with the VIS Pro KERN OXM 902 software which is included with the delivery
- Power supply is from an external 12 V power unit
- Black balance possible
- Please order the appropriate C-mount adapter (only 1.0× possible) to fit your KERN microscope now

SPECIFICATIONS

Article codes, product groups & Status

information

Model article-code	ODC 861
Model-Serie	ODC-83
Assortment	Optics
Product Type	Microscopes
Product group	Microscope cameras
Product usage type	Accessories/DL
EAN code (Model)	4045761235748
Customs tariff number	90119000
CE Label	yes

Technical data - Primary

Camera type	USB3 Microscope Camera (Cooling) - C-Mount
Camera resolution	20 MP
Sensor type	Sony CMOS
Sensor size	1"

Technical data - Construction

Color capability	Colour
Camera mounting	C-Mount
Interfaces	USB 3.0
Operating system	Win 10;Win 11;Win 7;Win 8
Applicable software	Microscope VIS 2.0 Pro (OXM 902)
Dimensions (W×D×H)	80×80×103 mm

Technical data - Power supply

Power supply kind	Power adapter
Input Voltage	100-240 V AC, 50/60 Hz, 1,0A
Power Plug	Inside plus, outside minus
Protection Class	Class III - Low voltage
Cable attachment	removable

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	270×250×130 mm
Gross weight	2.6 kg
Net weight	2.6 kg
Shipping method	Parcel service
Packaging component - by weight - paper	0 g
Packaging component - by weight - cardboard	159 g
Packaging component - by weight - plastics	5 g
Packaging component - by weight - styrofoam	0 g
Packaging component - by weight - glass	0 g
Packaging component - by weight - wood	0 g
Packaging component - by weight - foam	0 g
Packaging component - by weight - metal	0 g
Delivery time	1 d

Technical data - Environmental conditions

Storage Temp Min	-5 °C
------------------	-------

Stotage Temp Max 40 °C

Technical data - Verification

WEEE	yes
------	-----

FUNCTIONS

Standard



ACCESSORIES

Model	Description
MLB-A07	Power supply KERN MLB-A07
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
OXM 902	Camera software VIS KERN microscope OXM 902
ODC-A8108	Microscope eyepiece KERN ODC-A8108

SPARE PARTS

Model	Description
MLB-A07	Power supply KERN MLB-A07
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
ODC-A8301	USB 3.0 cable ODC-A8301

RELATED ARTICLES DATA

Model name	Camera type	Camera resolution	Sensor type	Sensor size
ODC 832	USB3 Microscope camera - C-Mount	5,1 MP	Aptina CMOS	1/2,5"

Model name	Camera type	Camera resolution	Sensor type	Sensor size
ODC 861	USB3 Microscope Camera (Cooling) - C-Mount	20 MP	Sony CMOS	1"