C-mount cameras – USB 2.0/3.0 KERN ODC-82 · ODC-83







Features

- Through the proven CMOS technology, in connection with the USB 2.0 or USB 3.0 the images are shown quickly and clearly.
- These cameras are also ideal for more demanding applications, such as, for example, darkfield, phase contrast and for fluorescence applications.
- As well as the camera, the delivery includes our multi-lingual KERN Microscope VIS software, a USB cable, various eyepiece adapters and an object micrometer to calibrate the software.
- Please order the appropriate C-mount adapter to fit your KERN microscope now.

STANDARD					
$\bullet \xrightarrow{\bullet} \\$	•			2 _{YEARS}	3 years
USB 2.0	USB 3.0	SOFTWARE	1 DAY	WARRANTY	WARRANTY

Model	Resolution	Interface	FPS	Sensor	Sensor size	Colour/ Monochrome	Supported operating system	
KERN								
ODC 822	1,3 MP	USB 2.0	15-48	CMOS	1/3"	colour	Win XP, Vista, 7, 8, 10	
ODC 824	3,1 MP	USB 2.0	11,5-45	CMOS	1/2"	colour	Win XP, Vista, 7, 8, 10	
ODC 825	5,1 MP	USB 2.0	6,8 - 55	CMOS	1/2,5"	colour	Win XP, Vista, 7, 8, 10	
ODC 831	3,1 MP	USB 3.0	27,3-53,3	CMOS	1/3"	colour	Win XP, Vista, 7, 8, 10	
ODC 832	5,1 MP	USB 3.0	14,2 - 101,2	CMOS	1/2,5"	colour	Win XP, Vista, 7, 8, 10	

C-mount camera – HDMI KERN ODC-85





Scope of supplies

•					3 YEARS
USB 2.0	HDMI	SD	SOFTWARE	1 DAY	WARRANTY

STANDARD

Features

- The ODC-851 HDMI microscope camera has been specially developed for direct HDMI connection to your HDMI compatible display device. The images can also be stored directly onto the SD card delivered with the device.
- As an alternative, a USB 2.0 connection is also still available to connect a laptop or PC.
- Power supply is from an external 12 V power unit.
- Scope of delivery: Camera, software, USB mouse, USB 2.0 cable, HDMI cable and SD card (4 GB)

Мо	del	Resolution	Interface	FPS	Sensor	Sensor size	Colour/ Monochrome	Supported operating system	
KEF	RN								
OD	C 851	2 MP	HDMI, USB 2.0, SD	30 - 60	CMOS	1/2,8"	colour	Win XP, Vista, 7, 8, 10	

KERN Pictograms:



360° rotatable microscope head



Monocular Microscope For the inspection with one eye



Binocular Microscope For the inspection with both eyes

Trinocular Microscope



For the inspection with both eyes and the additional option for the connection of a camera Abbe Condenser With high numerical aperture for the

concentration and the focusing of light



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HAL

Halogen illumination For pictures bright and rich in contrast



LED illumination Cold, energy saving and especially long-life illumination



Incident illumination For non-transparent objects



Transmitting illumination For transparent objects



Fluorescence illumination For stereomicroscopes



Fluorescence illumination for compound microscopes With 100W mercury lamp and filter

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope
FPS	Frames per second
H(S)WF	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)



Fluorescence illumination for compound microscopes With 3W LED illumination and filter



Phase contrast unit For a higher contrast

Darkfield condenser/unit

For a higher contrast due to indirect





Polarising unit To polarise the light

Infinity system

illumination





Zoom magnification For stereomicroscopes



Parallel optical system For stereomicroscopes, enables fatigue-proof working

Infinity corrected optical system



Integrated scale In the eyepiece

HDMI digital camera

SLR Kamera Single-Lens Reflex camera

display device



USB 2.0

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HDMI

LWD

N.A.

Integrated USB 2.0 digital camera For direct transmitting of the picture to a PC

For direct transmitting of the picture to a



Integrated USB 3.0 digital camera For direct transmitting of the picture to a PC



SD card For data storage

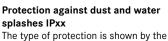


PC software To transfer the measurements from the device to a PC.



Automatic temperature compesation For measurements between 10 °C and 30 °C





pictogram. **Battery operation**



Ready for battery operation. The battery type is specified for each device.



Battery operation rechargable Prepared for a rechargable battery



Mains adapter 230V/50Hz in standard version for EU.



Power supply

pictogram.

operation

Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.

On request GB, AUS or USA version.



Package shipment The time required to manufacture the

product internally is shown in days in the pictogram. Warrantv

The warranty period is shown in the

3YEARS WARRANTY



WF

W.D. Working Distance	е
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Wide Field (Field number up to Ø22 mm for 10x eyepiece)

Your KERN specialist dealer:





Pricing on any accessories shown can be found by keying the part number into the search box on our website. The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.