

# Specialists in microscopy for measurement, counting, documentation, archiving and image processing

#### Features

- A large selection of microscope cameras is available for your individual applications.
- The universal microscope cameras can be used anywhere and can be connected to the microscope as well as to a laptop or PC using the USB cable (USB 2.0 or USB 3.0, see table)
- The power supply is through the USB cable, which means that no additional power supply is required.
- Your daily work is made significantly easier with the very best synchronisation, a high frame rate as well as stable image performance together with our Microscope VIS software which we deliver with the product.
- For details about our software please refer to the "Software" section in the catalogue (page 87) or see www.kern-sohn.com.
- These universal cameras can also be connected to all microscopes available on the market offering the appropriate C-mount adapter for the particular microscope.

### C-mount cameras - USB 2.0 KERN ODC-1



#### Features

- These USB 2.0 cameras give particular good images in demanding applications, such as, for example, in darkfield, phase contrast and with fluorescence applications through improved light sensitivity of the sensors.
- As well as the camera, the delivery includes our multi-lingual KERN Microscope VIS software, a USB cable and an object micrometer to calibrate the software.
- Please order the appropriate C-Mount or eyepiece adapter to fit your KERN microscope.

#### STANDARD









Model	Resolution	Interface	FPS	Sensor	Sensor size	Colour/ Monochrome	Supported operating system	
KERN								
ODC 132	3,1 MP	USB 2.0	5 – 30	CMOS	1/2"	colour	Win XP, Vista, 7, 8, 10	
ODC 152	5,1 MP	USB 2.0	3.5 - 30	CMOS	1/2,5"	colour	Win XP, Vista, 7, 8, 10	
OBB-A1414 🔤	1× Eyepiece adapter (Ø 23,2 mm) for cameras from the ODC-1							
OBB-A1416 🔤	1× Eyepiece adapter (Ø 30,0 mm) for cameras from the ODC-1							
OBB-A1417 W	1× Eyepiece adapter (Ø 23,2 + 30,0 mm) for cameras from the ODC-1							

## **KERN Pictograms:**





360° rotatable microscope head



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



SD card For data storage



Monocular Microscope For the inspection with one eye



Phase contrast unit For a higher contrast



PC software



Binocular Microscope

For the inspection with both eyes



Darkfield condenser/unit

For a higher contrast due to indirect illumination



Automatic temperature compesation

For measurements between 10 °C and 30 °C

To transfer the measurements

from the device to a PC.



Trinocular Microscope

For the inspection with both eyes and the additional option for the connection of a camera



Polarising unit

To polarise the light



Protection against dust and water splashes IPxx

The type of protection is shown by the pictogram.



Abbe Condenser

With high numerical aperture for the concentration and the focusing of light



Infinity system

Infinity corrected optical system



**Battery operation** 

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



Halogen illumination

For pictures bright and rich in contrast



Zoom magnification

For stereomicroscopes



**Battery operation rechargable** 

Prepared for a rechargable battery operation



**LED** illumination

Cold, energy saving and especially long-life illumination



Parallel optical system

For stereomicroscopes, enables fatigue-proof working



Mains adapter

230V/50Hz in standard version for EU. On request GB, AUS or USA version.



Incident illumination

For non-transparent objects



❖

USB 2.0

•

USB 3.0

Integrated scale

In the eyepiece



WARRANTY

WF

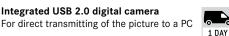
Power supply

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



Transmitting illumination

For transparent objects



Package shipment

The time required to manufacture the product internally is shown in days in the pictogram.



Fluorescence illumination

For stereomicroscopes



Warranty

The warranty period is shown in the pictogram.



H(S)WF

Fluorescence illumination for compound microscopes

With 100W mercury lamp and filter



**HDMI** digital camera

For direct transmitting of the picture to a display device



C-Mount Adapter for the connection of a

High (Super) Wide Field (Eyepiece with high eye point

for wearers of glasses)

camera to a trinocular microscope

**LWD** Long Working Distance

Super Wide Field **SWF** 

(Field number at least Ø 23 mm

for 10x eyepiece)

N.A. **Numerical Aperture** FPS Frames per second SLR Kamera Single-Lens Reflex camera

Working Distance W.D.

Wide Field (Field number up to Ø22 mm for 10x eyepiece)

## Your KERN specialist dealer:

Distributed by:



Tallaght Business Park Whitestown, Dublin 24, Ireland

**D24 RFK3** 

Tel: (01) 4523432 Fax: (01) 4523967

E-mail: info@labunlimited.com E-mail: info@labunlimited.co.uk Web: www.labunlimited.com

Quatro House, Frimley Road, Camberley, **United Kingdom GU16 7ER** 

Tel: 08452 30 40 30 Fax: 08452 30 50 30

Web: www.labunlimited.co.uk