

Digital microscope sets KERN OZL-S



OZL 464 with camera



OZL 466 with camera



OZL 468 with camera



OZL 464 with tablet



OZL 466 with tablet



OZL 468 with tablet

The flexible, affordable all-rounder with zoom function as a digital solution for schools, training companies, inspection authorities and laboratories

Features

- The flexible, cost-effective OZL-46 range is now also available to you as a comprehensive digital solution for your live investigations. Optionally available with an mounted tablet or C-mount camera. Naturally, the appropriate C-mount adapter is included with the delivery.
- The mounted KERN ODC 241 tablet-camera has been specially developed for simple, convenient and direct investigation of the sample on the screen. Ideally suited for school pupils and students in education or for demonstration purposes in the laboratory
- The mounted C-mount camera is available in different versions and can be used anywhere
- For detailed information on the individual components, see the relevant product description of the individual item
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of the delivery

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution 50:50
- Interpupillary distance 55 – 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 300×240×420 mm
- Net weight approx. 5 kg
- Eyepiece: HWF 10×/ø 20 mm
- Field of view: ø 28,6 – 4,4 mm
- Objective: 0,7× – 4,5×
- Stand OZL 464/466: Pillar style
- Stand OZL 468: Arm curved
- Illumination: 3 W LED (incident + transmitted)

Model	Standard configuration (camera)					
	Included camera	Resolution camera	Interface	Sensor	Details microscope, camera	
KERN						
OZL 464C825	ODC 825	5 MP	USB 2.0 (6,8 – 55 FPS)	CMOS 1/2,5"	KERN Optics catalogue Page 52, 90	
OZL 466C825						
OZL 468C825						
OZL 464C832						
OZL 466C832						
OZL 468C832	ODC 832	5 MP	USB 3.0 (14,2 – 101,2 FPS)	CMOS 1/2,5"	KERN Optics catalogue Page 52, 90	
OZL 464T241						
OZL 466T241						
OZL 468T241						
	ODC 241	5 MP	WLAN, USB 2.0, HDMI, SD (15 – 30 FPS)	CMOS 1/2,5"	KERN Optics catalogue Page 52, 94	

Pictograms

 360° rotatable microscope head	 Fluorescence illumination for compound microscopes With 3 W LED illumination and filter	 WLAN data interface For transmitting of the picture to a mobile display device
 Monocular Microscope For the inspection with one eye	 Phase contrast unit For a higher contrast	 HDMI digital camera For direct transmitting of the picture to a display device
 Binocular Microscope For the inspection with both eyes	 Darkfield condenser/unit For a higher contrast due to indirect illumination	 PC software 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	 Automatic temperature compensation For measurements between 10 °C and 30 °C
 Abbe Condenser With high numerical aperture for the concentration and the focusing of light	 Infinity system Infinity corrected optical system	 Protection against dust and water splashes IPxx The type of protection is shown by the pictogram
 Halogen illumination For pictures bright and rich in contrast	 Zoom magnification For stereomicroscopes	 Battery operation Ready for battery operation. The battery type is specified for each device
 LED illumination Cold, energy-saving and especially long-life illumination	 Parallel optical system For stereomicroscopes, enables fatigue-proof working	 Battery operation rechargeable Prepared for a rechargeable battery operation
 Incident illumination For non-transparent objects	 Integrated scale In the eyepiece	 Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version
 Transmitting illumination For transparent objects	 SD card For data storage	 Power supply Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request
 Fluorescence illumination For stereomicroscopes	 USB 2.0 digital camera For direct transmitting of the picture to a PC	 Package shipment The time required to manufacture the product internally is shown in days in the pictogram
 Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter	 USB 3.0 digital camera For direct transmitting of the picture to a PC	

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope	LWD	Long Working Distance	SWF	Super Wide Field (Field number at least Ø 23 mm for 10× eyepiece)
FPS	Frames per second	N.A.	Numerical Aperture	W.D.	Working Distance
H(S)WF	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)	SLR camera	Single-Lens Reflex camera	WF	Wide Field (Field number up to Ø 22 mm for 10× eyepiece)

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