

LEMKE.

HD-CAMERA

HD-CAMERA | LED-LIGHT SOURCE | HD-CAPTURING



HD - C A M E R A

NEW

HD-Camera

Camera plus Light Source plus Documentation

- 1-chip HD-Camera
- Integrated LED-Light Source
- Photo and video documentation in 720p

Impressive handling and customization, great cost

New customer demands require new solutions. In fast-growing markets, devices that do not neglect the cost aspect and still can be adjusted flexibly to the individual circumstances of the hospital or doctor's practice are required. The new HD-Camera does exactly this.

The HD-Camera is suitable for the fields of laparoscopy, arthroscopy, hysteroscopy and urology. The three-in-one solution is a special feature of the new development: HD-Camera, LED-Light Source and HD-Capturing are available in one device. The HD-Camera, however, is still user-friendly and intuitive to use. The picture quality is brilliant.



Three connectors for three devices in one: Easily assigned and therefore reliable with a quick set up.

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Customization

The HD-Camera offers many options for individual customizations. Depending on the existing equipment or the particular preferences, the HD-Camera can be configured to meet customer requirements.

For example, the LED module and the photo/video documentation capture are available as options. The HD-Camera head is available in different versions as well, and you can choose between an angled or straight connection design. The HD-Camera head is also available in an autoclavable version. The HD-Camera also offers additional ports and outputs. For example: A DVI port and a 3G-SDI output for video transmissions are included in the optional part of the device features (full customization available from 2015).



Videocoupler EFO



Videocoupler Zoom, versatile application spectrum, parfocal*

Devices

Item No.	Description
HDC1000-L04	HD-Camera Head, angled
HDC1000-L01	HD-Camera Control Unit, LED-Light Source, HD-Capturing

Accessories

Part No.	Description	Part No.	Description
EFO-L01	Videocoupler EFO, Focal length = 18 mm (ARTHRO, HYS, URO)	ALC-L04	Adapter for light cable, endoscope, Storz/Olympus
EFO-L02	Videocoupler EFO, Focal length = 22 mm (ENT)	ALC-L05	Adapter for light cable, endoscope, Wolf
EFO-L03	Videocoupler EFO, Focal length = 25 mm (LAP)	ALC-L06	Adapter for light cable, endoscope, ACMI
ZOOM-L01	Videocoupler Zoom, Focal length = 16-34 mm (LAP, ARTHRO, HYS, URO, ENT)	LC-L01	Light cable, 1.8 m, Ø 4.8 mm
ALC-L01	Adapter for light cable, Light Source, Olympus	LC-L02	Light cable, 2.3 m, Ø 4.8 mm
ALC-L02	Adapter for light cable, Light Source, Storz	LC-L03	Light cable, 3.0 m, Ø 4.8 mm
ALC-L03	Adapter for light cable, Light Source, Wolf		

Power supply cord and further accessories available upon request.

*A parfocal lens is a lens that stays in focus when magnification/focal length is changed.



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HD-Camera

The HD-Camera head features an ergonomic design and is ideally suited for all indications (laparoscopy, arthroscopy, hysteroscopy, urology). The image format has an aspect ratio of 16:9. The threaded connector for video lenses corresponds to the C-mount standard. The HD-Camera cable is replaceable.



LED-Light Source

The LED-Light Source has a universal fiber optic cable holder connectible to the Storz, Olympus, ACMI, and Wolf light cable adapters. The intensity of the Light Source is adjustable. The light intensity is 1,400 lumens. After an operating time of 10,000 hours, LEMKE guarantees a minimum light output of at least 90%.



HD-Capturing

An SD storage card with a USB port is available when selecting the capture option to record camera and video images. HD photos and videos are saved with a resolution of 720 pixels. The amount of memory needed and the speed of saving the data are reduced with an optimal image quality.



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Technical Data

HD-Camera

Frame rate	60 Hz
Image sensor	1/3" CMOS-Chip
Resolution (h x v)	1280 x 720 pixels
Dimensions	Ø = 39.5 mm, L = 123.5 mm
Weight	300 g/10.5 oz (incl. cable)
Min. Sensitivity	2.7 lux
Coupling mechanism	C-mount
Cable length	3 m/9.8 ft
Disinfection/Sterilization	Soakable, STERRAD®
Power supply	100-240 V~
Power consumption	148 VA
Outputs	2x HDMI, PC interface USB 2.0, PS/2, Remote

LED-Light Source

Lamp	LED
Color temperature	6.500 K
Lumen maintenance	90% after 10,000 hours
Size	Optimized for light guides Ø 4.8 mm
Adapter compatibility	Storz, Olympus, Wolf, ACMI

HD-Capturing

Memory interface	SD memory card
Image format	JPEG
Video Codec	MPEG-4, H.264
Resolution	1280 x 720 pixels

Complete system

Operating conditions	10-40 °C/50-104 °F
Protection against electrical shock	Body Float
Video Codec Means of protection against electrical shock	Class I
Dimensions (w x h x d)	381 x 149 x 379 mm
Weight	5.8 kg

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