



**EBERLE**

Optical Systems

# Camera System

- **Camera System**
- ..... **Control Unit**  
article no. 913029
- ..... **1-Chip Camera Head with Cable**  
article no. 913032
- ..... **Keyboard PS2**  
article no. 900202



Due to the high-resolution sensor, coupled with the specially developed image processing, it is possible, even in only dimly lit cavities, to take pictures that show natural colours and are rich in detail and in contrast. These technical features ensure that the Full HD camera is suited for widely different applications.

- **Resolution**
  - ..... HDTV: 1080p
  - ..... HDTV: 1080i
  - ..... HDTV: 720p
  - ..... PAL: 576i
  - ..... NTSC: 480i
- **Frequency**
  - ..... Optional 50 or 60 Hz
- **Outputs**
  - ..... 1 x DVI
  - ..... 1 x Component (HD-RGB, -YPbPr)
  - ..... 1 x S-Video (PAL/NTSC)
  - ..... 1 x Composite (PAL/NTSC)
  - ..... 2 x HD-SDI 3G (optional)
  - ..... 2 x Remote
- **Camera head functions**
  - ..... 3 programmable keys
  - ..... coupler is available with fixed focal lengths and zoom
- **By means of the PC keyboard it is possible to edit and show**
  - ..... patient's records (up to 10 datasets)
  - ..... time and date
  - ..... stop watch

# Objective



- **Objective lens, standard**
  - ..... **HD TV-Adapter f=21 mm**  
article no. 900213 <sup>1)</sup>
  - ..... **HD TV-Adapter f=18 mm**  
article no. 900215 <sup>1)</sup>
- **Objective lens, automatic**
  - ..... **HD TV-Adapter f=21 mm with automatic coupling**  
article no. 900260 <sup>1)</sup>
  - ..... **HD TV-Adapter f=18 mm with automatic coupling**  
article no. 900261 <sup>1)</sup>
- **Objective lens, zoom**
  - ..... **HD TV Zoom-Adapter f=15 – 36 mm**  
article no. 900214 <sup>1)</sup>
  - ..... **HD TV Zoom-Adapter f=15 – 36 mm with automatic coupling**  
article no. 900262 <sup>1)</sup>

<sup>1)</sup> distributed by Eberle GmbH & Co. KG

# Endoscopes

autoclavable



- ..... **Arthroscope Ø 2.75 x 110 mm,  
line of sight 30°**  
article no. 900113
- ..... **Arthroscope Ø 2.75 x 110 mm,  
repair part replacement**  
article no. 900113R
- ..... **Arthroscope Ø 4.0 x 175 mm,  
line of sight 30°**  
article no. 900004
- ..... **Arthroscope Ø 4.0 x 175 mm,  
repair part replacement**  
article no. 900004R

- ..... **HD Arthroscope Ø 4.0 x 175 mm,  
viewing direction 30°**  
article no. 900256
- ..... **HD Arthroscope Ø 4.0 x 175 mm,  
with repair replacement**  
article no. 900256R
- ..... **Endoscopy sieve tray for lense,  
290 x 80 x 52 mm**  
article no. 900091

## LCD Monitor SONY LMD-2451MD

- **LCD Monitor System**  
article no. 900066 <sup>1)</sup>
- ..... **Base stand**  
article no. 900067 <sup>1)</sup>
- **LCD Monitor**
  - ..... 24 inch LCD monitor
  - ..... 16.7 million colours
  - ..... native resolution WUXGA (1920 x 1200)
  - ..... angle of view (h/v) 178°/178°
  - ..... picture-in-picture function



<sup>1)</sup> distributed by Eberle GmbH & Co. KG

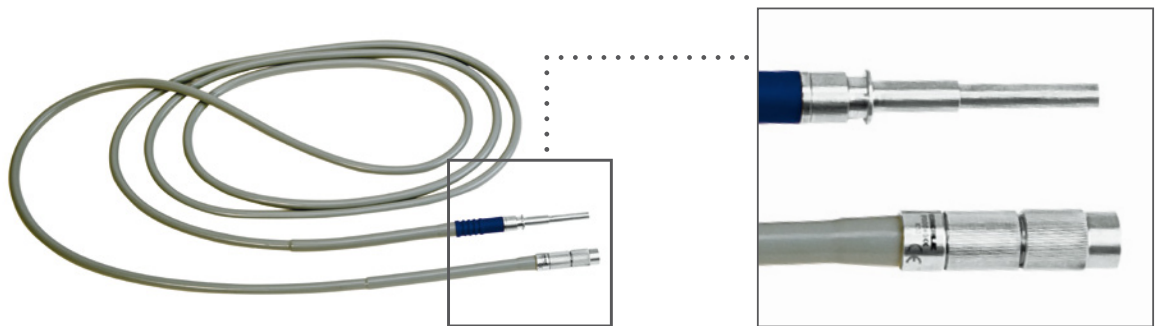
# LED Light Source



## LED Light Source

article no. 913030

- ..... high natural colour rendering with strong light intensity
- ..... very homogeneous illumination, no edge shadowing effects or blooming
- ..... glare shield when light conduction cable is not plugged in
- ..... low-noise operating with minor heat development
- ..... lifetime of bulb: approx. 30,000 hours
- ..... setting of luminance intensity: digital in 10 steps
- ..... light conducting cable connection: type Storz/other brands on request



## Light Conducting Cable

..... with adapter type Storz; other brands on request

..... Standard colour: light grey  
 On request, the cables are also available in different colours.

..... **Ø 3.5 1800 mm**  
 article no. 900037

..... **Ø 3.5 2300 mm**  
 article no. 900038

..... **Ø 3.5 2500 mm**  
 article no. 900039

..... **Ø 3.5 3000 mm**  
 article no. 900040

..... **Ø 3.5 4000 mm**  
 article no. 900041

..... **Ø 3.5 5000 mm**  
 article no. 900042

..... **Ø 4.8 1800 mm**  
 article no. 900023

..... **Ø 4.8 2300 mm**  
 article no. 900015

..... **Ø 4.8 2500 mm**  
 article no. 900003

..... **Ø 4.8 3000 mm**  
 article no. 900032

..... **Ø 4.8 3500 mm**  
 article no. 900034

..... **Ø 4.8 4000 mm**  
 article no. 900035

..... **Ø 4.8 5000 mm**  
 article no. 900036

# Documentation System TEAC

- **Documentation System**

- ..... **UR-4MD**  
..... article no. 900255 <sup>1)</sup>
- ..... **Keyboard USB**  
..... article no. 900230 <sup>1)</sup>



## Medical HD-recording device with integrated 500 GB hard disk

Recording of HD videos and freeze images. Recordings to internal hard disk, network and up to two concurrent USB sticks. Easy operation by way of the 3.5" display and the OSD. Facilitated connection due to automatic signal detection. Data loss is prevented due to memory monitoring and safe shutdown (UPS).

- **Video inputs**

- ..... DVI, SDI, S-Video, composite

- **Video outputs**

- ..... DVI, SDI (out/thru), S-Video, composite

- **Image format**

- ..... JPG, DICOM

- **Video format**

- ..... MOV (H.264 / MPEG4)

- **Audio inputs**

- ..... Line In, microphone  
..... (3.5 mm jack plug)

- **Audio outputs**

- ..... SDI (BNC), Line  
..... (3.5 mm jack plug)

- **Network operation**

- ..... RJ45 10/100/1000 ethernet

- **Internal memory**

- ..... 500 GB hard disk

- **External memory**

- ..... USB stick, USB hard disk; network drive

- **Other connections**

- ..... 2 x 3.5 mm jack plug  
..... (external trigger)

- **Accessories (optional)**

- ..... keyboard, remote control, foot switch,  
..... bar code/card reader

<sup>1)</sup> distributed by Eberle GmbH & Co. KG

**EBERLE GmbH & Co. KG**

Glasbronnenstraße 6  
75449 Wurmberg  
Phone +49 (0) 7044 9611-0  
Fax +49 (0) 7044 9611-11  
info@eberle-med.com  
www.eberle-med.com

**Distribution:**

Carl-Peschken-Straße 5c  
47441 Moers  
Phone +49 (0) 2841 88700-32  
Fax +49 (0) 2841 88700-37  
sales@eberle-med.com

---