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HD - CAMERA F2 PRO

FULL HD



Full HD recording

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HD-CAMERA F 2 PRO

The new F 2 HD-Camera System fullfills the need of high resolution in Video Endoscopic Surgery. Thanks to Full HD resolution and a Full HD recording function to the included USB Pen Drive, this camera of newest technology generates and stores crystal-clear images with highest attention to detail to allow better diagnostics and more efficient surgery.

RECOMMENDED FOR: **HYS** **LAP** **ENT** **URO** **SPINE** **ARTH**



300-001-601
HD-Camera F 2 PRO

DELIVERY CONTAINS:

- Main Unit
- Camera head
- USB pen drive
- HDMI - DVI cable
- HDMI cable
- S-Video cable
- RGB-Cable
- BNC cable
- Mains cable
- Operating manual

FULL HD RECORDING



Full HD recording function



Recording and image controls

- Full HD 60fps video recording
- Full HD image storage
- USB pen drive included
- Boost function
- On-screen-menu
- 3 user settings storable
- 2.5x digital zoom
- Freeze function
- Text generator (optional with keyboard)

ERGONOMIC CAMERA HEAD



- 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences



SETUP



300-001-802
(Included)



USB pen drive
(Included)



300-001-610
(Optional)



300-001-616
(Optional)



RZ Full HD Monitors (optional)



OPTIONAL ACCESSORIES



300-001-610
Footswitch, cable length: 2m



300-001-616
Title generator keyboard, waterproof IP68
US-Layout, USB connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.

TV-COUPLER

All RZ Full HD TV-Adapters with c-mount, soakable



250-025-014 f=14mm
 250-025-017 f=25mm
 250-025-018 f=28mm

Automatic lock

Ocular speculum activates locking mechanism and avoids scratches on the endoscope



300-001-813 f=14mm
 300-001-814 f=25mm
 300-001-815 f=28mm

Manual lock



250-020-025 f=25mm (splitting 90/10)
 250-020-030 f=30mm (splitting 90/10)

Beamsplitter

Allows simultaneous video and direct views

250-022-025 f=25mm
 250-022-030 f=30mm
 90° angled, with swivel and fixation

FIXED FOCAL LENGTH



250-015-036

Zoom

f=15 - 36mm

ZOOM FUNCTION

View 24" - 42" 16:9	View 15" - 21" 4:3	Endoscope Diameter	Recommended TV-Adapter
		2.9mm ARTH HYS URO 4.0mm ARTH HYS URO 5.0mm LAP 10.0mm LAP	f=14mm f=14mm f=14mm - f=18mm f=14mm - f=18mm
		2.9mm ARTH HYS URO 4.0mm ARTH HYS URO 5.0mm LAP 10.0mm LAP	f=14mm f=14mm f=14mm not recommended
		5.0mm LAP 10.0mm LAP	f=25mm - f=50mm f=25mm - f=50mm

MONITORS



RZ IPS Medical Display

Basic and reliable Full HD Monitors with good picture quality. Closed aluminium frame and glass front for improved scratch resistance and easier cleaning. Wide range of input possibilities.

Model / Type	300-001-240	300-001-244	300-001-246	300-001-247	300-001-248
Size	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches	26" / 22.7x12.7 inches	32" / 27.5x15.4 inches	42" / 34.6x19.6 inches
Resolution	1920x1200 (WUXGA)				
Signal Input	SVideo, Composite, HDMI, DVI				
LCD Panel	IPS				



RZ HD iLumen RADIANCE

Superior HDTV capabilities and sophisticated signal processing produce brilliant, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or Minimally Invasive Surgery display.

Model / Type	300-010-219	300-010-224	300-010-226	300-001-232
Size	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches	26" / 22.7 x 12.7 inches	32" / 27.5x15.4 inches
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite, DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS			

TECHNICAL DATA

System

- Power supply: 100/240 VAC, 50-60 Hz
- Fuses: 2 Fine fuses, 5x20 mm, delay acting 3,15 AH (I=1500A)
- Power consumption: 20 VA
- Image resolution: Full HD 1920 x 1080
- TV resolution: > 1000 lines
- Sensivity: < 3 lux (1/1.4)
- White balance automatically, with data hold
- shutter speed: 1/50 (1/60) to 1/100.000 sec

Camera head

- Aspect ratio: 16:9
- Image sensor: 1/3" MOS
- Immersible (using the attached cap)

Video Recording

- Video format: Full HD 1920 x 1080 p / Mpeg4 (H.264 Codec) / Frame rate: 60fps
- Image format: jpg (1920 x 1080)

Video out terminal

- 2x HD SDI
- 1x HDMI / DVI
- 1x Y-Pb-Pr (Component)
- 1x Video (PAL / NTSC)
- 1x S-Video (PAL / NTSC)
- LAN (optional)

Standards

- Protection class: I
- Application part: Type BF
- IEC 601-1, EN 60601-1C; classification acc. 93/42/EEC: I

Dimensions

- Control unit: 380 x 120 x 360 mm (WxHxD); 11 kg
- Camera Head: \varnothing 38.5mm, length: 81mm, 145g



RZ offers a wide range of endoscopic and medical devices. Please ask your area manager for more information.