

Full HD Endoscopic camera with an integrated recorder

CV -3200



Full HD endoscopic camera with high sensitivity CMOS sensor ensuring impressive image quality. Lightweight and ergonomic design of the camera head enhances comfort during surgical procedures. The camera offers a video recording and image capturing features.

Features

- > Ultra high sensitivity CMOS Full HD sensors
- > Full HD resolution (1920 x 1080 pixels)
- > Image capturing and video recording functions controlled from the console, the camera head or over the wireless footswitch
- > Advanced image sharpening function, automatic brightness adjustment and saturation control (digital sharpening filter, High Sensitivity option, DNR function, gamma correction)
- > FREEZE function
- > MIRROR function
- > Digital zoom up to 4 x
- > Automatic white balance (AWB)
- > On-Screen Display menu (OSD)
- > Option of entering patient data by using an external keyboard
- > Input for an external printer

Strengths

- > Impressive image quality – Full HD resolution
- > Excellent color rendering index
- > Integrated medical recorder for image and video capturing during surgical procedures
- > Predefined settings for various endoscopic specialties
- > Individual configurations of the camera settings for 10 users
- > Easy reset to default or user settings
- > All features available from the camera head – 3 fully programmable buttons
- > User-friendly interface
- > Ergonomic design, lightweight and waterproof camera head
- > Multi-language menu

Technical parameters

CAMERA CONSOLE UNIT (3200-10)

Power supply	100-240 VAC; 50/60 Hz
Power consumption	55 VA
Frame rate	50/60 Hz
Dimensions	D: 3270 mm x W: 330 mm x H: 96 mm
White balance	Automatic and manual
Video outputs	3G-SDI x 2 DVI-D x 1 S-Video x 1 VBS x 1
Outputs for recordable devices	USB 2.0 type A x 2
Other interfaces	SD Card x 1 USB 2.0 type A x 1 REMOTE x 1 GENLOCK (in) x 1 SYNC (out) x 1 REC/PRT
Casing safety standard	IP20
Ambient temperature	During operation: +10 °C to +40 °C During storage and transport: -20°C to +45°C
Max. relative humidity	During operation: 70 % During storage and transport: 70%
Applied part	BF type
CE Standard	EN 60601-1; EN60601-1-2; IEC60601-2-18



Full HD
Full HD (HDMI over the DVI-HDMI cable)
NTSC, PAL
NTSC, PAL
1 front connector for recordable devices
1 rear connector for recordable devices
1 rear connector
1 rear connector for keyboard
1 rear connector for wireless footswitch receiver
sync input
sync output
single connector for external recorder or printer

INTEGRATED RECORDER

Image	Format JPG Max. compression rate 97	Approximate recording time of 128 GB USB Hard Drive maintaining Full HD image quality	56 hours	28 hours	24 hours
Video	Format AVI Compression H.264		5 Mb/s	10 Mb/s	12 Mb/s

CAMERA HEAD 1CMOS (3310-11H) / CAMERA HEAD 3CMOS (3330-13H)

Aspect ratio	16:9
Weight	170 g
Cable length	3,6 m
Lens connection	C-mount
Casing safety standard	IPX8 waterproof efficiency
1 CMOS / 3 CMOS image sensor	1/3", native Full HD sensors
Signal / Noise ratio	50 dB (1 CMOS); 54 dB (3 CMOS)



WIRELESS FOOTSWITCH (3375-1F)

Interface	2 buttons
Functionality	Remote control of image and video capturing
Communication	Wireless
Casing safety standard	IPX8 waterproof efficiency