



HD digital imaging for your OR

Leica HD C100

digital medical video camera

Outstanding HD surgical video for an efficient and reliable OR workflow starts with a high quality medical camera.

Premium optics from Leica Microsystems are specifically designed to provide outstanding image quality both through the eyepieces and to the camera. When you integrate the Leica HD C100 into your surgical microscope, you have an ideal system for displaying and capturing your surgeries in brilliant High Definition.

Supports workflow efficiency

An innovative one-touch control button, enables you and your OR staff to set up recording and optimize images at any time – without interrupting your workflow. The camera also features automatic brightness adjustment to limit reflection from surgical instruments.

One camera fits all

HD, SD, 1080p, 720p, HDMI, HD-SDI, video splitter, whatever resolution is required for your OR or clinic set-up, the Leica HD C100 delivers what you need. With parallel signal output HD and SD resolution can also be displayed on different monitors at the same time.



TECHNICAL SPECIFICATIONS

VIDEO CAMERA

Sensor and pick-up technology	Hardware: 1/2.8" progressive CMOS sensor Software: Leica-specific CMOS optimization software
Lens mount	C-Mount
Synchronization	Internal or external
Video format / resolution	Parallel output: 1080p/60p, 1080p/50p, 1080i/60i, 1080i/50i, 720p/60p, 720p/50p, SD(NTSC), and SD(PAL)
Video / signal output	HDMI, HD-SDI (3G), S-Video, Video out, Gen lock
Hot plug and play	Camera head can be connected or disconnected to the camera control unit while it is powered on
Menu control	All functions controlled by one-touch button
External control	RS232-C, LAN Ethernet (Service)

PERFORMANCE

Resolution	950 TV Lines
Signal-to-noise ratio	54 dB
Sensitivity	2000 lx, F5.6, 3200 K

CAMERA SETTINGS

Auto-light control (ALC)	Priority shutter or priority gain ALC mask: NO mask, S circle, M circle, L circle, Manual
Shutter speed	Automatic (ALC) or manual (1/6 to 1/10,000)
White balance	Automatic (one push / real time) or manual
Scene files	5 user-programmable settings Easy switch between scene files via RS232-C connection
Image settings	Gain, Enhancement, Gamma, Knee, Black stretch, Wide dynamic range, White clip, Dynamic noise reduction, Chrominance gain, Black level

DISPLAY FUNCTIONS

Screen / display mode	Picture-in-picture, live mode, Color bar / grayscale / cross-line
Image reversing	Flip and/or mirror

GENERAL

Dimensions / weight	Camera head: 37 × 45 × 50 mm / 100 g Camera control unit: 170 × 44 × 160 mm / 600 g
Power requirements	DC 12 V ±20%
Power consumption	< 10 W
Ambient temperature	Operating: 0°C ~ +40°C Storage: -20°C ~ +60°C
Housing / finish	AgProtect™ nano silver antimicrobial coating
Supplied accessories	Remote control: IR-based remote control Cable: 5 m (standard), 10 m (optional)
Compatibility	For more information please contact your local Leica Microsystems representative

REGULATIONS AND STANDARDS

- › Council Directive 93/42/EEC on Medical Devices (MDD) and its amendments. Classification: Class I, in compliance with Annex IX, rule 1 and rule 12 of the directive.
- › IEC 60601-1 / EN 60601-1 Medical Electrical Equipment, Part 1: General requirements – including national differences of EU, CA, US.
- › IEC 60601-1-2 / EN 60601-1-2 Electromagnetic Compatibility.

The Medical Division, within Leica Microsystems (Schweiz) AG, holds the management system certificates for the international standards ISO 9001, ISO 13485, and ISO 14001 relating to quality management, quality assurance and environmental management.



CONNECT
WITH US!



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