

From Eye to Insight

Leica
MICROSYSTEMS



HD digital imaging for your OR

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 HD C100 medical video camera 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, 1080i, HDMI, HD-SDI whatever resolution is required for your OR or clinic set-up, the HD C100 camera 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
Video format / resolution	Parallel output: 1080/60p/60i, 1080/50p/50i, SD(NTSC), and SD(PAL)
Video / signal output	HDMI, HD-SDI (3G), Video out
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)

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 (1/60 to 1/16000)
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, dynamic noise reduction, chroma gain, black level

DISPLAY FUNCTIONS

Screen / display mode	Live mode, Color bar / cross-line
Image reversing	Flip and/or mirror

GENERAL

Dimensions / weight	Camera head: 37 x 45 x 50 mm / 120 g Camera control unit: 170 x 44 x 160 mm / 950 g
Power requirements	DC 12 V ±20%
Power consumption	< 18 W
Ambient temperature	Operating: 10°C – 40°C Storage: -40°C – +70°C
Housing / finish	AgProtect nano silver antimicrobial coating
Supplied accessories	Remote control: IR-based remote control Cable: 5 m (standard), 15 m (optional)
Compatibility	For more information please contact your local Leica Microsystems representative



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HD C100 is a class I surgical device.

Not all products or services are approved or offered in every market and approved labeling and instructions may vary between countries.
Please contact your local Leica representative for details.



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