

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

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

### CAMERA SETTINGS

<b>Auto-light control (ALC)</b>	Priority shutter or priority gain ALC mask: NO mask, S circle, M circle, L circle, Manual
<b>Shutter speed</b>	Automatic (ALC) or manual (1/60 to 1/16000)
<b>White balance</b>	Automatic (one push / real time) or manual
<b>Scene files</b>	5 user-programmable settings Easy switch between scene files via RS232-C connection
<b>Image settings</b>	Gain, enhancement, gamma, dynamic noise reduction, chroma gain, black level

### DISPLAY FUNCTIONS

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

### GENERAL

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