

MCC-3000MT

3D HD Medically Compliant Video Camera



A new dimension in medical imaging.

The Sony MCC-3000MT is a medically compliant HD video camera that provides exceptional HD picture quality for both 3D and 2D video. The MCC-3000MT consists of two compact camera heads with 3 one half-inch (1920 X 1080) Exmor™ CMOS sensors, each featuring over 2 million pixels, plus one CCU (Camera Control Unit). By combining Exmor image sensors with Sony's image processing technologies, the MCC-3000MT provides an excellent sensitivity of F10, a remarkable signal-to noise ratio of 54dB, and a wide dynamic range of 450%.

It's compact and light-weight design allows the camera's C-mount heads to be easily mounted on a surgical microscope* and integrated into a variety of medical systems.

Together with Sony's medically compliant 24-inch LMD-2451MT monitor and HVO-3000MT recorder, the MCC-3000MT is ideal for displaying and recording 3D/2D surgery applications.

- 3D/2D video
- ½ -inch type Exmor™ Full-HD CMOS Sensors
- Compact and Lightweight Camera Head Unit
- Various Shooting Modes
- RS-232C Interface
- Intuitive Front Panel Operation
- Flexible Selection of Camera Cables
- Compliant with applicable Medical Standards

*Optional adapter required



MCC-3000MT consists of two compact camera heads and one CCU (Camera Control Unit)

MCC-3000MT Specifications

Camera Head Unit

Image Device	3-chip 1/2-inch type Exmor CMOS
Effective Picture Elements	1920 (H) × 1080 (V)
Lens Mount	C-mount
Optical System	F2.2 prism system
Sensitivity	F10 typical (in 1920 × 1080/59.94i mode)
Minimum Illumination	9 lx (in 1920 × 1080/59.94i mode, F2.2, +21 dB gain)
Connector	
Camera output	20pin (x1)

Camera Control Unit

S/N Ratio	54 dB (Y) (typical)
Horizontal Resolution	1000TV lines (in 1920 × 1080/59.94i ; through HD-SDI)
White Balance	PRESET/MEMORY/ATW
AE	On/Off
AE Area	Multi/Large/Middle/Spot/Slit Selectable
Picture Profile	Picture Profile 1-6
Output Signals	HD-SDI, Composite
Color Bar Type	Multi/75%/100%/Off
Down Converter	Squeeze/Letterbox/Edge Crop
Serial Data	RS-232C
Connectors	
Composite output	BNC (x1)
HD SDI output	BNC (x2)
EXT SYNC input	BNC (x1)
Remote	D-sub 9-pin (x1)

General

Mass	CHU : 3.2 oz (90 g) (x2) CCU : 9 lb 15 oz (4.5 kg)
Dimensions	CHU : 1 7/16 × 13/16 × 2 inches without projection (35 × 45 × 50mm) CCU : 7 7/8 × 3 1/2 × 13 1/2 inches without projection (200 × 88 × 341mm)
Power Requirements	DC 24 V
Input Current	1.5 A (inrush: 3.0 A)
Operational Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Supplied Accessories	Tripod adapter (2) Tripod adapter fitting screws (8) Lens mount cap (2) Operating instructions Before Using This Unit (1) CD-ROM - Manuals for HD Video Camera (Operating Instructions in PDF) (1) Warranty Booklet (1)

Camera Head Units



CCU Front Panel



CCU Rear Panel



Optional Accessories



**CCMC-T20/CCMC-T15/
CCMC-T10/CCMC-T05**
Camera Cables

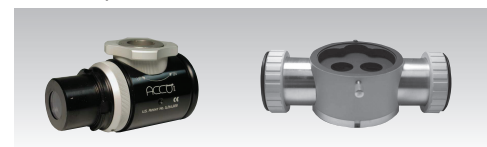


HVO-3000MT
3D HD Video Recorder



LMD-2451MT
3D HD Medical Monitor

Optional microscope adapter kits for stereoscopic 3D



Video Adapter (x2)

Beam Splitter

sony.com/medical

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Caution: Federal (USA) law restricts this device to sale by or on the order of a physician or other appropriately licensed medical professional. Caution: See product labeling for indications, contraindications, warnings, cautions and directions for use.

ME-MCC3000MT