

SONY® HVO-500MD HD Video Recorder

The HVO-500MD HD Video Recorder is designed for use in a variety of clinical environments and offer extensive connection options and are suitable for storing High Definition video from endoscopic and laparoscopic and other compatible surgical imaging systems. HD and Standard video can be stored on high-capacity, internal, hard disk drive, recorded simultaneously to an external USB drive or network server. The recorder provides an extra safeguard against the risk of losing valuable data, and eliminates the need to export or copy to another storage medium.

Fujifilm

Healthcare
**minimally
invasive surgery**



PRODUCT FEATURES

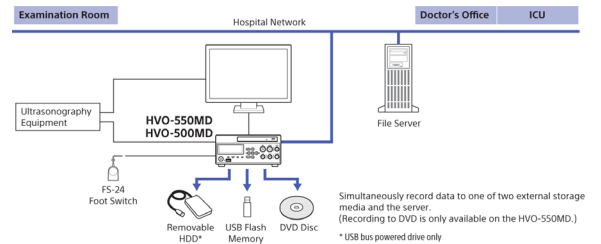
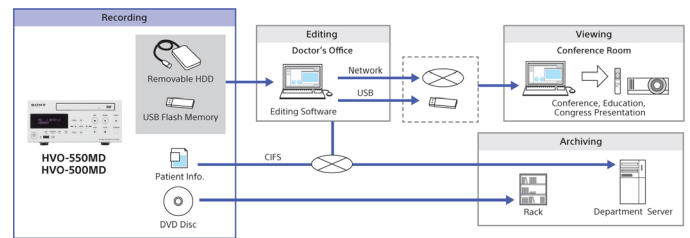
Image Quality

- HD video up to 720p for improved image quality over Standard Definition recording devices (DVO-1000MD.)
- Records 2D and 3D video images in HD quality.

Operational Efficiencies

- Simultaneous recording on internal HDD and external media.
- Compatible with DVO-1000MD commands.
- Wide range of interfaces and network data transmission.
- Long recording times even in HD.
- Compliance with Medical Safety Standards.

SONY® HVO-500MD SPECIFICATIONS



DESCRIPTION:	PRODUCT NUMBER:
HD Video Recorder	HVO-500MD

RECORDING FEATURES

Recording Video Format	MPEG-4 AVC/H.264
Recording Audio Format	AC-3/AAC LC
Recording File Format	AVCHD/MP4
Recording Media	Internal HDD (500GB), External USB Storage,
Recording Resolution	1280 × 720/59.94p, 1280 × 720/50p, 720 × 480/59.94i, 720 × 576/50i
Recording Bit Rate (HD)	14Mbps (Best), 8Mbps (High), 4Mbps (Standard)
Recording Bit Rate (SD)	5Mbps (Best), 3Mbps (High), 2Mbps (Standard)

3D Recording

CONNECTORS

Input Connectors	HDMI (Type A) (1), DVI-D (DVI 19-pin) (1), S VIDEO (Mini DIN 4-pin type) (1), VIDEO (BNC type) (1) AUDIO (Stereo mini jack) (1) DC IN (DIN 3-pin)
Output Connectors	HDMI (Type A) (1), DVI-D (DVI 19-pin) (1), S VIDEO (Mini DIN 4-pin type) (1), VIDEO (BNC type) (1) AUDIO (Stereo mini jack) (1)
Other Interfaces	USB (Type A) (3), USB (Type B) (1), Network (RJ-45, 1000 Base-T/100 Base-TX) (1), REMOTE RS-232C (D-sub 9-pin) (1), REMOTE contact switch (stereo mini jack) (2) REMOTE MONITOR (RJ-45) (1), Equipotential

GENERAL

Power Requirements	+12 V to +24 V DC (supply from AC-80MD AC adaptor)
Input Current	3.2 A to 1.6 A
Operating Temperature	5°C to 40°C (41°F to 104°F)
Operating Humidity	20% to 80% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Operating Pressure	700 hPa to 1060 hPa
Storage and Transport Temperature	-20°C to +60°C (-4°F to +140°F)
Storage and Transport Humidity	20% to 90% (Maximum wet-bulb temperature: 30°C (86°F)) (no condensation)
Storage and Transport Pressure	700 hPa to 1060 hPa
Mass	Mass 2.9 kg (6 lb. 6.3 oz.)
Dimensions (including longest protrusions)	212.0 × 287.7 × 105.5 mm (8 3/8 × 11 3/8 × 4 1/4 in.)
Supplied Items	Before Using This Unit (1), CD-ROM (Instructions for Use, PROTOCOL MANUAL) (1), Warranty booklet (1), AC-80MD AC adaptor (1), AC-80MD Instructions for Use (1), Service Contact List (1)