

SONY

Meet the DVD authority on medical image recording.



Dir. of Speed & Reliability

Sony's DVO-1000MD Medical DVD Recorder

Put it to work in your imaging lab or operating room

Building on Sony's proven track record in product design and innovation, Sony introduces a medical DVD recorder unlike any other – the DVO-1000MD model designed specifically for medical videorecording. Combining user-friendly operation with highly intelligent DVORECOVERY™ and DVOfAST™ features, this recorder is the DVD authority you'll want to put to work in your imaging lab or operating room.

DVORECOVERY Feature – Built-in for reliable video recovery

A built-in 80 Gig hard drive enables the DVO-1000MD model to record video simultaneously on the hard drive and on the DVD+RW disc. The DVORECOVERY feature allows you to recapture video from the hard drive in the event of unexpected power failure or if you forgot to print the images before you shut down your printer. In addition, if you need to make a referral copy, you can simply duplicate a video session from the hard drive. With the DVORECOVERY feature on your side, your video is kept safe and intact.

DVOfAST Feature – Faster work speed for faster workflow

To help keep the workflow moving, the recorder's unique DVOfAST feature makes it possible to eject the DVD in less than two minutes after recording, requiring no disc finalization. Compared to the industry standard 5 to 15 minute wait time, this less than two-minute turn-around is a dramatic time saver for imaging technicians.

Advanced sounds and images for medical applications

Capturing images with the utmost picture clarity is an essential criteria of medical image recording. To achieve that high level image quality, the DVO-1000MD recorder employs MPEG-2 video compression, and for excellent sound reproduction, records audio signals in the Dolby® Digital Stereo format.

A Day in the Life of DVO...

9:03 AM

Dr. Green's medical technician performs an endoscopy, which is recorded on the DVO-1000MD Medical DVD Recorder

9:15 AM

Next endoscopy patient arrives (no need to wait for DVD finalization of previous recording)

12:30 PM

Dr. Green performs a surgery, which is recorded on the DVD-1000MD



1:00 PM

Electrical storm causes power failure in the O.R. The emergency generator powers up – but no video is lost because it was recorded to the DVO's built-in hard drive.

4:00 PM

Dr. Green reviews the surgical video and using the CANOPUS® editing software package, prepares the presentation to colleagues and interns.

9:00 PM

Dr. Green plays back and reviews the video presentation at home on his consumer DVD player.



What mode are you in?

The DVO-1000MD recorder provides ample recording time – up to three hours on a single disc. Three recording modes are available, depending on the picture quality and recording duration required:

- HQ Mode*: 60 minutes
- SP Mode: 120 minutes
- LP Mode: 180 minutes

* In HQ Mode, CBR (Constant Bit Rate) encoding is used

DVD+RW Media Format

The DVO-1000MD model adopts the DVD+RW format, which is approved by the DICOM Media Interchange Committee, and is an established DVD format offering re-write capability on affordable DVD+RW media. This feature provides playback compatibility with many DVD players, including standard consumer models.

Find it fast

For the ultimate convenience, the DVO recorder offers +/- 3 times playback from the front panel. Using an optional wired remote control (SVRM-100A), +/-10 times normal speed playback is available with an easy-to-use Jog/Shuttle operation. An additional +/- 30 times normal speed playback is possible when the recorder is connected to medical equipment via RS232C protocol, which Sony provides at no additional charge to software developers.

Multiple playback modes make the DVO recorder ideal in a teaching application when video clips need to be viewed repeatedly. The recorder offers:

- Repeat between two desired points
- Repeat of the chapter currently being played back
- Repeat of the title currently being played back

Index recording allows you to set “indexes” to images of interest by pressing the pause button during recording or enable automatic indexing with pre-determined intervals. With this feature, information can be quickly accessed by title or chapter.



LMD-2140MD

Legacy remote controls supported: The DVO recorder utilizes all remotes that were compatible with the SVO-9500MD S-VHS medical grade recorder. SVRM-100A and FS-20 models are fully supported.

Patient Data Recording: Using an optional keyboard connected to the RS232C port, patient data up to 2KB per title can be recorded on the DVD+RW disk.

Speed and Reliability are Built-in

The many interfaces of DVO

The DVO-1000MD recorder is equipped with a wide range of interfaces including analog composite, S-Video and analog audio I/Os, and an audio monitor output. An i.LINK® (DV) input is also provided to achieve high quality digital video recording with minimal signal degradation.

Speed and reliability at work

Put the DVO-1000MD medical DVD recorder to work in your imaging center or operating room. Go to www.sony.com/medical or call 1-800-535-7669. And discover the speed and reliability you've been missing in a medical DVD recorder.



DVO-1000MD

General

Power Requirements	AC 100 V to 240 V, 50/60 Hz
Power Consumption	35 W
Operating Temperature	+5 to +40°C
Storage Temperature	-20 to +60°C
Operating Humidity	20 to 80%
Dimensions	8 3/8 x 5 x 15 inches (212 x 128.5 x 382 cm)
Mass	13 lb 4 oz (6 kg)
Recording System	DVD Recording, NTSC/PAL Switchable
Recording Format	Video: MPEG-2 compression Audio: Dolby Digital format
Recordable Media	DVD+RW (2.4x and 4x speed)
Recording Time	HQ Mode: 60 minutes
SP Mode	120 minutes
LP Mode	180 minutes
Medical Standards	EN60601-1, EN60601-1-2, UL60601-1, CSA C22.2 No.60601.1

Input/Output

Analog Composite Input	BNC x2, with loop-through, unbalanced, 1.0 Vp-p, 75 Ω
S-Video Input:	4-pin DIN x2, with loop-through Y: 1 Vp-p, 75 Ω, unbalanced C: 0.286 Vp-p (NTSC)/0.3 Vp-p (PAL), 75 Ω, unbalanced
Analog Composite Output	BNC x1, 1±0.2 Vp-p, 75 Ω, unbalanced
S-Video Output	4-pin DIN x1 Y: 1.0 Vp-p, 75 Ω, unbalanced C: 0.286 Vp-p (NTSC)/0.3 Vp-p (PAL), 75 Ω, unbalanced
Analog Audio Input	RCA Pin x2 (L/R), 2 Vrms (full bit), input impedance 47 kΩ
Analog Audio Output	RCA Pin x2 (L/R), 2 Vrms (full bit), load impedance 47 kΩ
Monitor Audio Output	Monitor RCA Pin x1, 2 Vrms (full bit), load impedance 47 kΩ
i.LINK (DV IN)	i.LINK 6-pin x1, IEEE1394
Remote Control	RS-232C x1, D-sub 9-pin Remote1 x1, stereo mini jack (for connection with the optional SVRM-100A/DSRM-10 controllers) Remote2 x1, stereo mini jack (for connection with the optional FS-20 foot switch) USB 2.2 x1 (Full Speed)

Supplied Accessories

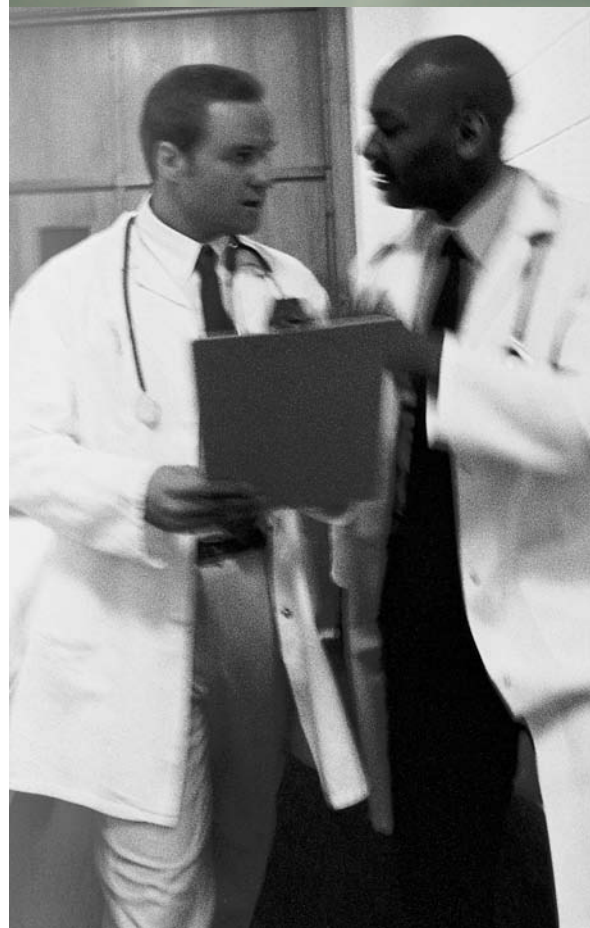
Operations manual, Protocol manual

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*i.LINK is a Sony trademark used only to designate that a product is equipped with an IEEE1394 connector. Some products with an i.LINK connector may not communicate with each other. Please refer to the documentation that comes with any device having an i.LINK connector for information on compatibility, operating conditions, and proper connection.

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Optional Accessories

DSRM-10 Remote Control Unit

SVRM-100A Remote Control Unit

FS-20 Foot Switch

VMC-IL4615B/IL4435B i.LINK cable (6-pin to 4-pin)

VMC-IL6615B/IL6635B i.LINK cable (6-pin to 6-pin)



DPW120MD

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ME-DVO1000