

SVO-9500MD SERIES

S-VHS Videocassette Recorder

The SVO-9500MD S-VHS recorder is specifically designed for medical applications. Its digital frame memory provides a noiseless, crystal clear "freeze" and is fully compatible with other S-VHS (or VHS) tape recordings. Its compact design and optional control via RS-232C or 34-pin interface provide convenient integration with ultrasound, endoscopy and pathology systems.



SVO-9500MD

- Digital frame memory (field/frame selectable, 8 bit depth) allows noiseless, crystal clear "freeze"
- Built-in time base corrector produces stable color playback clarity in freeze, normal play and jog/shuttle modes
- Outstanding luminance and chrominance performance
- IzzitOn™ System provides visual recording confirmation
- RS-232C serial (25 pin) or parallel (34 pin) interface available
- Remote control with jog/shuttle available
- Compact design
- Quick response to all operational commands
- Simplified, user friendly front panel
- Selectable hi-fi audio
- Automatic search to end of last recording on tape
- Industrial grade transport mechanism
- Auto head cleaning mechanism
- UL 2601-1, EN 60601-1

"IzzitOn?"

SONY.



Sony Medical

SVO-9500MD

GENERAL

Video Recording System	Rotary 2-head helical scan system
Luminance	FM azimuth recording
Chrominance	Converted subcarrier direct recording
Video Signal System	NTSC, Standard color signal
Power Requirements	AC 120V, 60 Hz, 0.6A less than 72 VA
Power Consumption	Less than 61W
Dimensions	10-3/4"W x 5-1/4"H x 14-1/2"D 270 x 132 x 366mm
Weight	Approx. 22lbs. 1oz. (10 Kg)
Storage Temperature	-20 to +55°C (-4°F to + 131°F)
Operating Temperature	+5 to +45°C (+41°F to +113°F)

Video Signals

Input	BNC; 1.0Vp-p, 75 ohms unbalanced S-in (4P); Y: 1.0Vp-p, 75 ohms unbalanced C: 0.286Vp-p, 75 ohms unbalanced at burst level
Output	BNC; 1.0Vp-p, 75 ohms unbalanced S-out (4P); Y: 1.0Vp-p, 75 ohms unbalanced C: 0.286Vp-p, 75 ohms unbalanced at burst level

Signal-to-Noise Ratio

More than 46dB

Audio Signals

Input	LINE IN; CH-1/CH-2 (RCA PIN) -10dBu, 47k ohm, unbalanced Microphone; Normal audio CH-1 only (RCA Q Jack) for 600 ohm mic -60dBu, 3k ohm, unbalanced
Output	AUDIO MONITOR; (RCA PIN) -5dBu, 47k ohm, unbalanced LINE OUT; CH-1/CH-2 (RCA PIN) -10dBu, 47k ohm, unbalanced

Frequency Response

50Hz to 12kHz at Normal audio, 20 Hz to 20kHz at HiFi audio

Signal-to-Noise Ratio

More than 43dB (at 3% distortion level), Normal audio

Tape Format / Tape Speed

S-VHS/VHS 33.35mm/sec.

Recording or Playback Time

120 minutes with T-120

Fast Forward and Rewind Time

Within 3.5 minutes with T-120

Freeze Pictures

Digital frame memory (field, frame selectable, 8 bit depth/pixel)

Auto Repeat Playback

Auto repeat playback between any two marked points

Blank Search

Automatically searches for the end of the last recording

Digital Chroma Noise Reducer & Time Base Corrector

6 bit depth/pixel sampling f; 4 fsc, field correlate noise reduction

Index Search (VISS)

Up to 30 index points can be set with optional remote control unit (SVRM-100A)

Foot Switch Terminal

Record, start and pause can be controlled with optional Foot Switch (FS-20)

REGULATION COMPLIANCE

UL 2601-1, EN 60601-1

Warranty

ACCESSORIES

Supplied Accessories

AC power cord Operation manual

Optional Accessories

SVBK-120 - RS232C Serial (25-pin female) I/F
SVBK-110 - Parallel (34-pin female) I/F
SVRM-100A - Remote Control with Jog/Shuttle
FS-20 - Foot Switch Record/Pause Trigger Device

Product Packages

SVO-9500MD2 with RS-232C serial (25-pin F) interface
SVO-9500MD4 with Parallel (34 pin) interface



SVO-9500MD Back Panel

SONY

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www.sony.com/medical