

# SONY®

NTSC

## VHS Videocassette Recorder **SVO-3500MD**



**R<sup>2</sup>** REALITY  
REGENERATOR

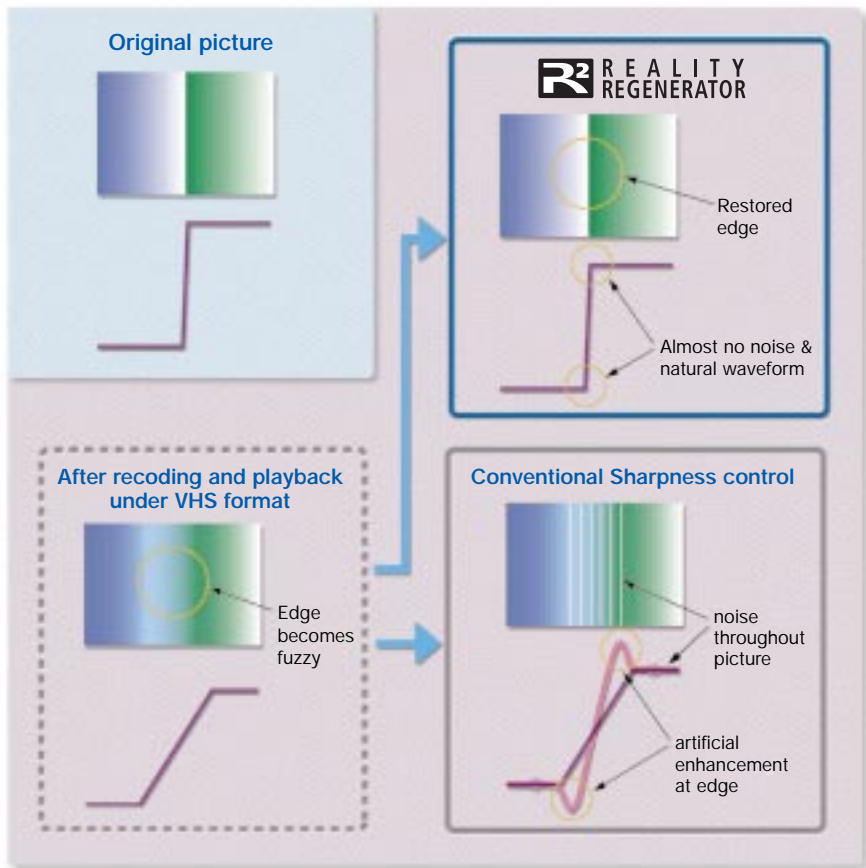
**S**ony introduces the SVO-3500MD, a VHS videocassette recorder especially designed for medical applications. In compliance with medical safety regulations, the SVO-3500MD offers unique technologies such as Reality Regenerator (R<sup>2</sup>) and Advanced Picture Control (APC), which provide high-quality recording and crisp, clear picture reproduction during playback.

The SVO-3500MD has a number of convenient and user-friendly controls including a dual-mode shuttle ring, an optional external foot switch/Tally-out, and a picture-capture function. These are only a few of the features that make the SVO-3500MD a reliable and extremely cost-effective solution to your medical recording and playback needs.

**The Sony technology advantage**

**Reality Regenerator (R<sup>2</sup>)**

The Reality Regenerator improves upon the conventional sharpness control function. While sharpness control makes outlines sharper in the reproduced picture, a side effect of this feature is that it artificially enhances outline edges and increases noise. The result is an unnatural, noisy picture. Reality Regenerator minimizes these side effects by reproducing a video signal very similar to the original. This is achieved by first detecting the edge of the playback signal, separating it into three parts (right, left and center), and then adding the new signal to the playback signal. The result is very little noise and more accurate picture reproduction during playback.



**Adaptive Picture Control (APC)**

To provide maximum picture quality at all times, the SVO-3500MD incorporates Adaptive Picture Control (APC). APC works during both recording and playback. When recording, APC detects the condition of the

recording head and videocassette tape, then sets the optimum recording-head current. During playback, APC automatically adjusts the level of the noise cancellor or sharpness, depending on the playback output level.





## Special Features

### Medical safety regulation compliance

The SVO-3500MD is UL2601-1 listed.

### Capture function

To facilitate a detailed examination of pictures, the capture function of the SVO-3500MD enables clear, still pictures to be captured in frame mode. Activating the capture button sets the internal counter of the VCR to zero, the tape rewinds 60 frames, and the VCR then plays back to the point marked zero. Simultaneously, a trigger signal sends a single frame to the printer.

### Audio after recording

The Mic-In terminal makes it possible to add narration during playback.

### High-speed fast-forward and rewind time

The fast-forward and rewind time of the SVO-3500MD is only 90 seconds with an T-120 videocassette.



## User-Friendly Controls

### Dual-mode shuttle (DMS) ring

The SVO-3500MD has a DMS ring for quick and easy control of fast forward, rewind, still, stop, and play operations. This greatly simplifies picture search and overall VCR operation.

### Foot switch control/Recording Tally-out

Recording on the SVO-3500MD can be started and stopped using an optional, external foot switch. In recording mode, the Rec Tally signal is outputted from the foot-switch jack. This is useful when the VCR is used with a monitor that has Tally-In capability.

### Index search

Specific sequences/recordings on the tape can be located by using the Index Search function. An index point is automatically recorded on the tape each time a recording starts. The SVO-3500MD is able to search up to 19 index signals ahead of or behind the current position.

### Control S IN connectors

The SVO-3500MD is equipped with Control S IN connectors that allow the VCR to be remotely controlled by other Sony equipment such as the optional RM-V200 or SVRM-100A remote control units.

# SVO-3500MD

## Other Features

- Remote off
- Auto repeat playback
- Used-time display
- Auto head cleaner
- Digital auto tracking
- Key inhibit function

## Optional accessories

- SVRM-100A remote control unit
- RM-V200 remote control unit



## Specifications

### General

Mass	4.3 kg
Dimensions	420 (W) x 100 (H) x 300 (D) mm (16 5/8 x 4 x 11 7/8 inches)
Power requirements	AC 120 V, 60 Hz, 3-wire grounded receptacle

### System

Video signal	VHS NTSC standard
Tape speed	SP only
Fast-forward/rewind time	90 seconds with T-120 tape

### Video Input/Output

Video recording system	Rotary two-head helical scanning system
Input	BNC (1): 1 Vp-p, 75Ω, unbalanced, sync negative
Output	BNC (1): 1 Vp-p, 75Ω, unbalanced, sync negative
S/N ratio	More than 44 dB (with high-grade tape)
Horizontal resolution	300 TV lines (color) 350 TV lines (b/w)

### Other

Control S IN	mini jack, input (1)
Audio In/Out	RCA (1)
Foot switch/Rec Tally	stereo mini pin (1)
Mic-In	mini pin (1)
Print remote	stereo mini pin (1)



Front panel



Rear panel

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