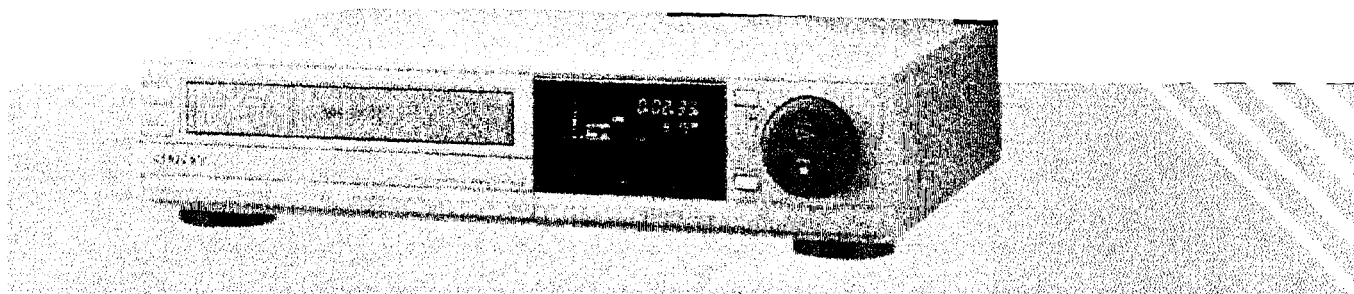


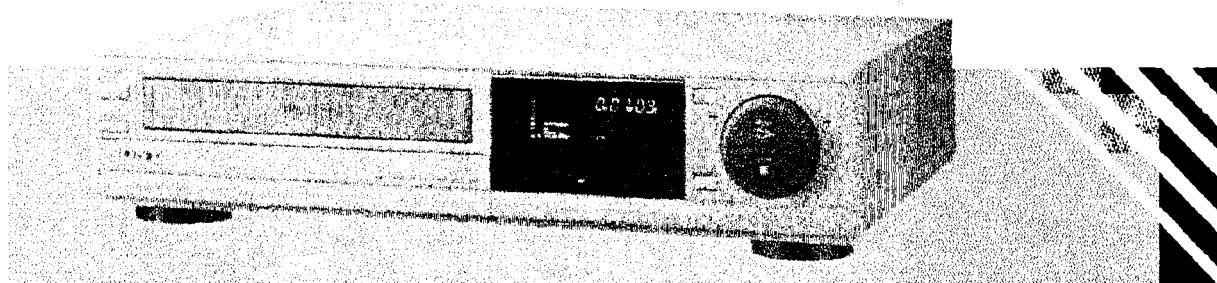
SONY®

Videocassette Recorder

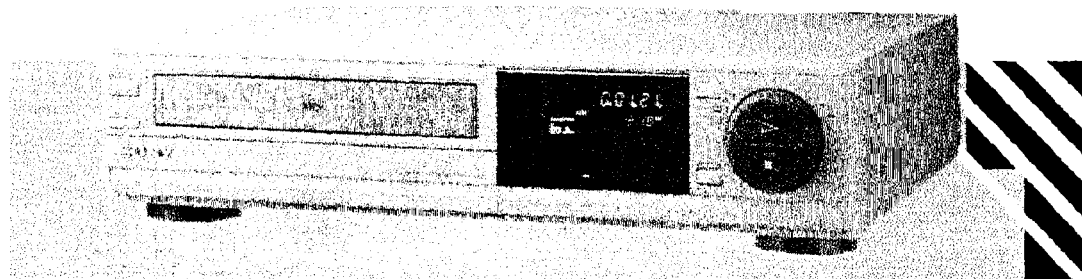
SVO-1620/1520/1420/1320



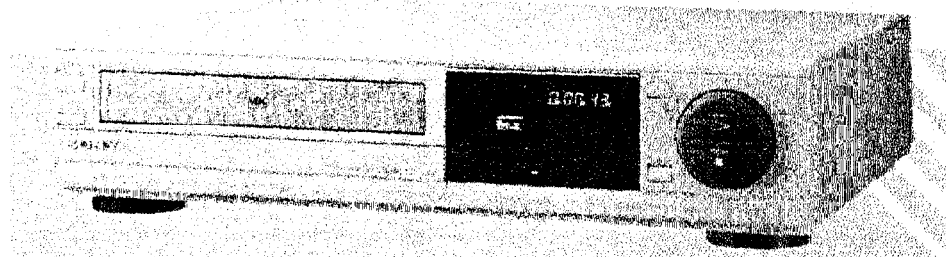
SVO-1620



SVO-1520



SVO-1420



SVO-1320

The Sony VHS Videocassette Recorders, SVO-1620/1520/1420/1320, are specially designed for business and industrial applications. With the VHS HQ system, DA PRO 4-head and Tape Stabilizer features these VTRs offer high quality picture and sound performance. Also, unattended automatic recording or playback can be programmed. Other functions such as Key Inhibit or Remote Off prevent accidental operation. With high performance, convenient features and high reliability, the SVO-1620/1520/1420/1320 are designed to meet professional demands in a variety of applications such as satellite program recording, presentations, Point-of-Sales, Point-of-Information displays, or other applications requiring a high quality VTR.

Similarities

The following table shows a comparison of the four models. The SVO-1620/1420 incorporate a TV tuner covering VHF/UHF/CATV channels, while the SVO-1520/1320 does not. The SVO-1420/1320 have a monaural audio system and the SVO-1620/1520 incorporates the VHS Hi-Fi stereo audio system.

The SVO-1520/1320 has a convenient remote switch connector which is used with an optional Foot Switch. (Via this connector, a Tally Out signal can also be produced by the SVO-1520/1320.) Sony's new line-up offers a selection of VHS VTRs for virtually any application.

Model Name	Audio System	TV Tuner	Foot Switch/ Tally Out
SVO-1620	Hi-Fi Stereo	Yes	No
SVO-1520	Hi-Fi Stereo	No	Applicable
SVO-1420	Monaural	Yes	No
SVO-1320	Monaural	No	Applicable

Main Features

High Quality VHS

1. High Picture Quality

The SVO-1620/1520/1420/1320 are designed to consistently reproduce high quality images. HQ circuitry ensures clear edged pictures and the Double Azimuth (DA) PRO 4-Head design offers superb resolution and excellent color playback in three speeds: SP, EP and LP(*) mode. In addition, a variety of playback modes, including noiseless clear still pictures, slow motion, and x2 normal speed, are possible thanks to this 4-head design.

(*) LP mode: The SVO-1520/1320 does not record in LP mode. Playback only.)

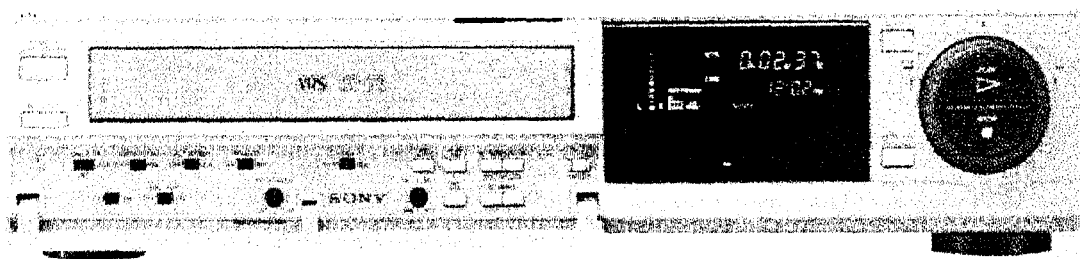
2. High Speed FF/Rewind Time

The Fast Forward and Rewind time of the SVO-1620/1520/1420/1320 is a fast 2 1/2 minutes with a T-120 videocassette.

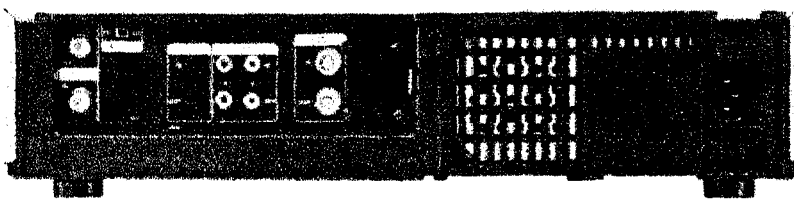
3. Auto Tracking

Digital Auto Tracking automatically adjusts tracking for tapes recorded on other machines. It eliminates the need for manual adjustment of tracking variances while providing clear pictures.

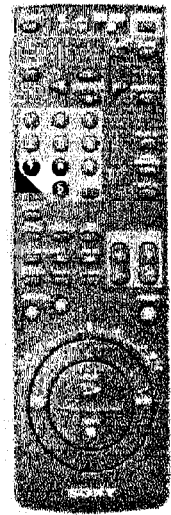
SVO-1620



Front Panel

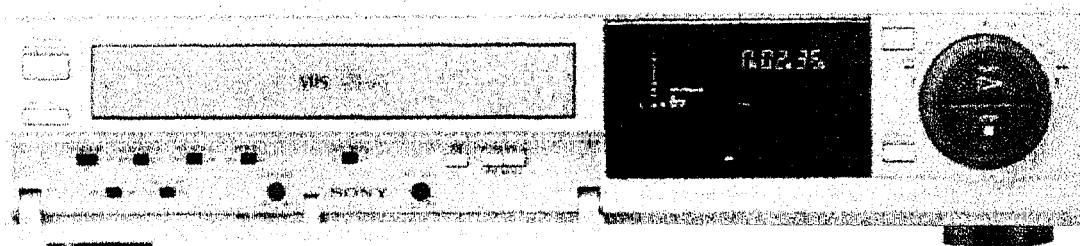


Rear Panel

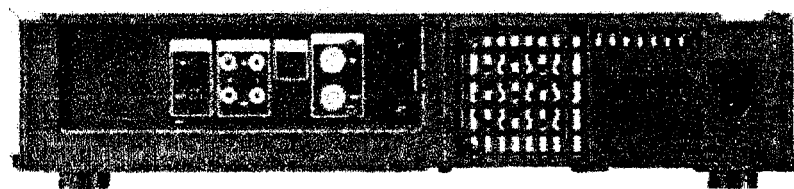


RMT-V190
(Remote Commander
for the SVO-1620)

SVO-1520



Front Panel



Rear Panel



RMT-V191
(Remote Commander
for the SVO-1520)

Recording/Playback Functions

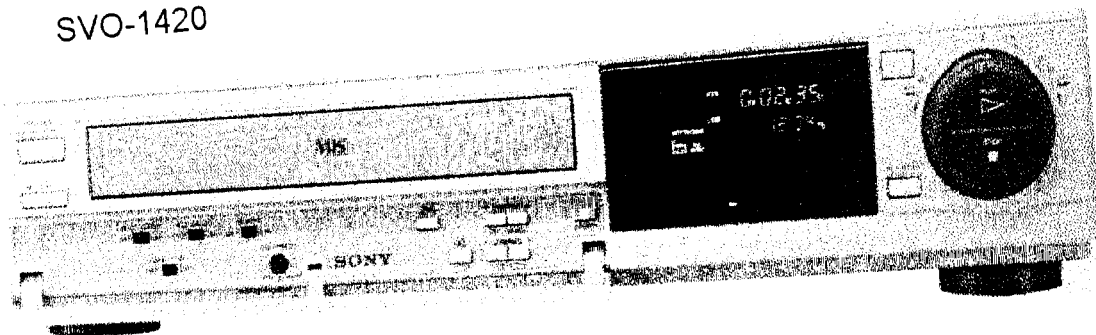
1. Continual Auto Repeat Playback

Auto Repeat function enable the SVO-1620/1520/1420/1320 to repeatedly play back the tape. At the end of a program, the VTR automatically rewinds the tape and restarts the program at the beginning.

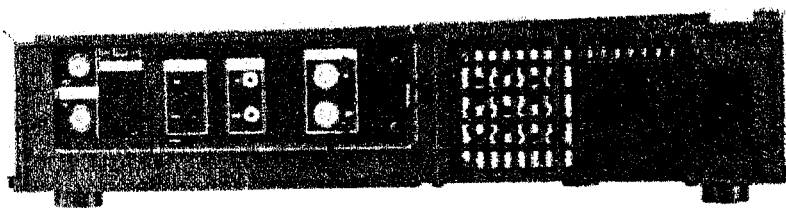
4. Auto Head Cleaner

Every time a tape is loaded or ejected from the VTR, a cleaning element automatically passes over the video heads removing tape residue. This helps prevent head clogging and deterioration of picture quality.

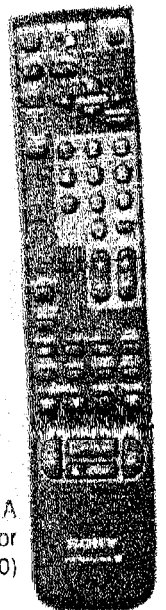
SVO-1420



Front Panel

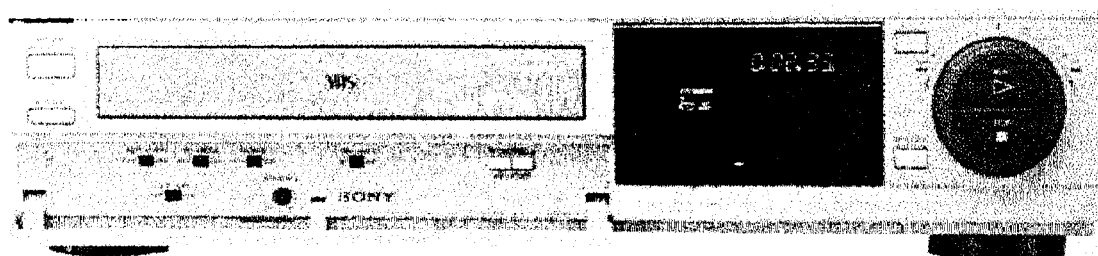


Rear Panel

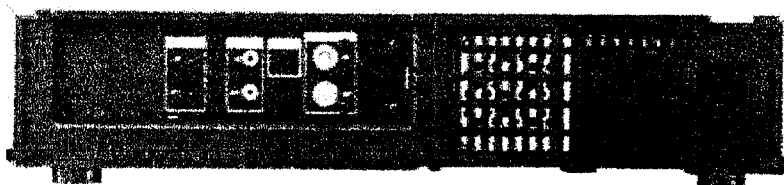


RMT-V191A
(Remote Commander for
the SVO-1420)

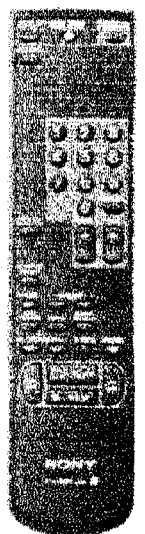
SVO-1320



Front Panel



Rear Panel



RMT-V191
(Remote Commander
for the SVO-1320)

2. Sequential Playback by Multiple VTRs

When two SVO players are connected via the control S IN/OUT connectors, it is possible to play back the two tapes alternatively. When the program of VTR 1 ends, VTR 2 automatically starts playing its program while VTR 1 rewinds its tape to the beginning. This function allows sequential playback without interruption. This function is also possible for more than two players.

3. One-Time Playback

When only one VTR is used in the Sequential Playback ON mode, One-Time Playback is possible. When the PLAY button is pressed, the VTR plays the tape to the end then rewinds it to the beginning and stops.

4. Power On Recording/Playback Capability

In the Power On Recording or Power On Playback mode, the SVO-1620/1520 automatically starts recording or playing back a program the moment the power is supplied to the VTR from externally connected equipment. This convenient feature allows un-attended automatic VTR operation.

5. Sensor Recording

The Sensor Recording feature allows un-attended automatic recording of a video signal via the VIDEO IN connector. When the Sensor Recording is set to On, the SVO-1620/1520 automatically starts recording when it senses a video signal through the VIDEO IN connector. When the video input signal stops, the SVO-1620/1520 stops recording and automatically goes into STANDBY mode.

6. LP Mode Recording Capability

The SVO-1620/1420 has three recording Modes: SP, LP and EP. The recording playback mode can be selected on the remote commander.

Other Features

1. Dual Mode Shuttle (DMS) Control

The SVO-1620/1520/1420/1320 have an easy-to-use Dual Mode Shuttle Ring for controlling Fast Forward/Rewind/ Still as well as Play and Stop operation. This one-dial operation greatly simplifies the picture search procedure and overall VTR operation.

2. Key Inhibit Function

When the Key Inhibit is On, all function keys on the VTR and remote control are deactivated to prevent the VTR from any accidental operation.

3. Wireless Remote-off Switch

When the Wireless Remote-off is activated, the wireless remote control is disabled to prohibit any accidental operation.

4. Linear Time Counter Superimposition

When the DISPLAY button on the remote commander is pressed, the time counter and the selected playback mode are superimposed on the monitor screen. With the SVO-1620, remaining tape length is also superimposed.

5. Control S Terminal

The SVO-1620/1520/1420/1320 is equipped with Control S In/Out terminals to allow the VTR to be remotely controlled by other Sony equipment such as the optional RM-V200 remote control unit. Up to 50 units of VTRs, connected via Control S In/Out terminals, can be remotely controlled from one remote control unit at a time.

6. BNC Connectors

The SVO 1620/1520/1420/1320 is equipped with VIDEO IN and OUT BNC connectors for professional connections.

7. Index Search

Specific programs on the tape can be located by using the Index Search Function. The index point is automatically recorded on the tape each time a recording starts. The Index Search automatically accesses the next index point in either forward or reverse by using the supplied wireless remote commander.

8. Foot Switch Control/Tally Out

The SVO-1520/1320 can be operated with an optional Foot Switch. Recording can be started or stopped from the external Foot Switch connected to the Foot SW jack of the SVO-1520/1320. During recording, the Rec Tally signal can be output also from the Foot SW jack. The Rec Tally signal is useful when used with a monitor with Tally IN capability.

Specifications

GENERAL (SVO-1620/1520/1420/1320)	
Weight	5.6 kg (12 lb. 16 oz)
Dimensions	430 (W) x 100 (H) x 360 (D) mm (17 x 3 11/12 x 14 1/6 inches)
Power Requirements	AC 120V, 60Hz, 3 wire grounded receptacle
Power Consumption	22W (SVO-1620 / SVO-1420) 18W (SVO-1520 / SVO-1320)
Operating Temperature	+ 5°C to + 40°C (41°F to 104°F)

SYSTEM (SVO-1620/1520/1420/1320)	
Video Signal	EIA standard (monochrome) / NTSC (color)
Tape Speed	SP: 33.35 mm/sec. (1 3/8 inches/sec.) LP: 16.67 mm/sec. (11/16 inches/sec.) SP: 11.12 mm/sec. (7/16 inches/sec.)
REC & PB mode	SP/LP/EP Recording (SVO-1620 / SVO-1420) SP/EP Recording (SVO-1520 / SVO-1320) SP/LP/EP Playback
Fast Forward/Rewind Time	Approx. 2.5 min. (T-120)

VIDEO INPUT/OUTPUT (SVO-1620/1520/1420/1320)	
Video Recording System	Rotary two-head helical scanning system
Input	BNC x 1 : 1 Vp-p, 75 ohms, unbalanced, sync negative
Output	BNC x 1 : 1 Vp-p, 75 ohms, unbalanced, sync negative
S/N Ratio	44 dB (SP)
Horizontal Resolution	more than 240 lines (SP)

AUDIO INPUT/OUTPUT (SVO-1620/1520)	
Audio Recording System	HiFi / Monaural
Input	Phono x 2 : -8 dBs (0 dBs=0.775 Vrms) Impedance : more than 47 k ohms
Output	Phono x 2 : -8 dBs (0 dBs=0.775 Vrms) Impedance : less than 10 k ohms
Frequency Response	20 Hz ~ 20 kHz (HiFi) 50 Hz ~ 10 kHz (monaural / SP)
Distortion	Less than 0.5% (HiFi) Less than 3.5% (monaural / SP)
Wow / Flutter	Less than 0.35% (monaural / SP)

(SVO-1420/1320)	
Audio Recording System	Monaural
Input	Phono x 1 : -8 dBs (0 dBs=0.775 Vrms) Impedance : more than 47 k ohms
Output	Phono x 1 : -8 dBs (0 dBs=0.775 Vrms) Impedance : less than 10 k ohms
Output	Phono x 1 : -8 dBs (0 dBs=0.775 Vrms) Frequency Response 50 Hz ~ 10 kHz (SP)
Distortion	Less than 3.5% (SP)

OTHERS	
Control S	Input x 1 Output x 1 (SVO-1620/1520/1420/1320)
Foot SW	x1 (Stereo Mini jack) (SVO-1520/1320)
VHF/UHF	Input x 1 (F type) Output x 1 (F type) (SVO-1620/1420)

TUNER (SVO-1620/1420)	
Tuner system	181-channel, frequency synthesizer tuning system
Channel coverage	VHF channels 2 to 13 UHF channels 14 to 69 CATV channels Low band : A-8 Mid band : A-5 through A-1, A through 1 Super band : J through W Hyper band : (W+1) through (W+84) Antenna 75 ohms F type connector antenna terminal for VHF/UHF

TIMER (SVO-1620/1420)	
Clock	Quartz locked
Timer Indication	12-hour cycle
Timer setting	6 programs for 1 year at max. Power back-up Back-up duration : 60 min.

WIRELESS REMOTE COMMANDER	
Remote control system	Infrared control
Command mode	VTR 3
Power requirements	DC 3V, 2 size AA batteries

<RMT-V190> (SVO-1620)	
Dimensions	68(W) x 28.5(H) x 207(D) mm (2 3/4 x 1 1/8 x 8 1/4 inches)
Weight	145 g (5 oz) (excluding batteries)

<RMT-V191> (SVO-1520/1320) <RMT-V191A> (SVO-1420)	
Dimensions	51(W) x 25.3(H) x 207(D) mm (2 1/8 x 1 x 8 1/4 inches)
Weight	95 g (3 oz) (excluding batteries)

SUPPLIED ACCESSORIES	
Wireless remote commander	(1)
Size AA batteries	(2)
AC Power Cord	(1)
Instruction manual	(1)

Design and specifications subject to change without notice.
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