

EIA/NTSC

SONY
SURVEILLANCE
SYSTEMS

SVO-1330

Videocassette Recorder



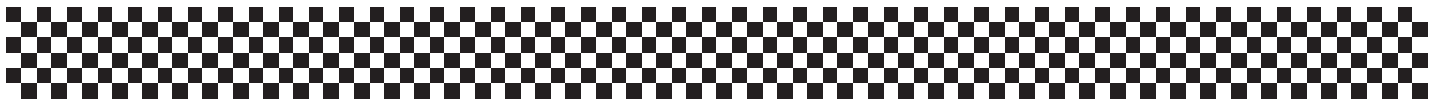
SONY®

Making sure you don't miss a thing



The SVO-1330 is specially designed for casino surveillance applications where a number of VCRs are installed and used for continuous recording. High picture quality is achieved by incorporating a Double Azimuth four-head helical scanning system and APCII (Adaptive Picture Control II) function that automatically optimizes recording and playback performance.

The SVO-1330 includes a variety of recording modes as well as Control S In/Out connectors for single remote control operation of multiple VCRs. A number of playback features and straightforward on-screen menus make the SVO-1330 easy to use, while various safety functions give you peace of mind. With all these features and more, the SVO-1330 is ideal for many casino surveillance systems.



● High Quality Picture

The SVO-1330 is designed to consistently reproduce high quality pictures. A combination of HQ (High Quality) circuitry and DA (Double Azimuth) four-head design provides high resolution and excellent color reproduction. With this head design high quality pictures are maintained even when using playback features such as still picture, slow motion and $\times 2$ normal speed mode.

● APC II (Adaptive Picture Control II)

The APC II function helps optimize recording and playback. When recording, APC II automatically detects the condition of the recording head and the videocassette tape, then sets the optimum recording current. During playback, APC II automatically adjusts the noise level and sharpness according to the playback output level. This results in maximum picture performance with minimum noise.

● Different Recording Modes

1. Timer Recording

The SVO-1330 has a built-in timer allowing the exact recording time and the desired recording mode to be set in advance. Timer recording can be preset to either weekly recording or daily recording. In weekly recording mode, a timer program can be individually preset for each day of the week. Daily recording mode enables a recording to be made at the same time every day.

2. Series Recording

Several SVO-1330 units can be cascaded via connectors on the rear panel to extend the total recording time. As soon as one unit finishes recording, the next unit is turned on and continues recording without interruption.

3. SP/EP Recording

Two different recording tape speeds are offered: SP (Standard Play) and EP (Extended Play) recording.

Tape	Maximum recording/playback time	
	SP	EP
T-160	2 hrs. 40 min.	8 hrs.
T-120	2 hrs.	6 hrs.



● **Built-in Time and Date Generator**

The SVO-1330 is equipped with a built-in time and date generator, which allows time and date information to be superimposed onto incoming video signals. This provides a precise record of the date and time of all incidents. The time and date generator can also be switched off, allowing the use of a master time/date generator from a matrix switcher.

● **On-screen Display**

Function settings such as time/date and timer programming are menu-controlled. They are easy to set and check on the monitor screen, and are available in English, French, and Spanish.

● **Automatic Daylight Saving Time**

By using the menu, the clock of the SVO-1330 can be adjusted to automatically move forward or back one hour when time changes occur.

● **Simultaneous Control of Multiple VCRs**

1. Clock Adjustment

By connecting the CLOCK ADJ IN/OUT terminals of multiple SVO-1330s, the clocks of all connected units are adjusted simultaneously. This is especially useful in casino applications where multiple VCRs are used.

2. Videocassette Eject

By connecting the EJECT IN/OUT terminals of multiple SVO-1330s, videocassettes from all connected units can be ejected simultaneously.

3. Remote Control Operation

Up to 50 VCRs can be remotely controlled by the optional RM-V200 remote control unit via Control S In/Out connectors. A single VCR can be controlled by the optional SVT-RM10 remote control unit via the remote jack.

● **Recording Check**

When pressing the play button during recording, the tape rewinds for about three seconds and then plays back for about two seconds. The unit then returns to its original recording mode. This allows the user to quickly check recording integrity. Also, in the unlikely event that the recording has not been made, due to a head clog for example, the SVO-1330 outputs a pulse signal via the warning out terminal on the rear panel.

● **Power Failure Protection**

A built-in lithium battery provides protection against power outages, retaining important information including tape speed, current time and menu setting in memory for up to 30 days.

● **Used Time Display**

The usage hours of the video head drum can be displayed on the monitor screen for easy maintenance scheduling.

● **Tape End/Tape Before-end Warning**

To minimize disruption to the recording process during tape changes, the SVT-1330 provides a tape end or tape before-end warning buzzer. This buzzer can be disabled if silent operation is desired.

● **Warning Signal Output**

If recording stops due to a tape jam or an improper video signal level is detected by either the recording check function or APC II, a pulse signal will be output through the warning out terminal on the rear panel.

● **Other Features**

Frame by Frame Playback (forward only)

Key Inhibit Function

Auto Head Cleaner

Digital Auto Tracking

Buzzer Function

High durability and reliability



Front Panel



Rear Panel

Specifications

General

Weight	Approx. 8 lb 13 oz (4 kg)
Dimensions	14 1/4 x 3 7/8 x 11 5/6 inches (360 (W) x 98 (H) x 295 (D) mm)
Power requirements	120 V AC, 60 Hz
Power consumption	14 W (max.)
Operating temperature	5 to 40°C (41 to 104°F)
Storage temperature	-20 to 40°C (-4 to 140°F)

System

Format	VHS NTSC standard
Video recording system	Rotary four-head helical scanning FM system
Video signal	NTSC color, EIA standard
Tape speed	SP: 33.35 mm/s (1 3/8 inches/s) EP: 11.12 mm/s (7/16 inches/s)
Fast-forward and rewind time	Approx. 2 min. 30 sec (with T-120 tape)
Video resolution	240 lines (SP mode)
Video S/N	44 dB (SP mode)
Audio frequency response	50 Hz – 10 kHz

Inputs and outputs

Inputs	VIDEO IN, BNC jack (1) Input signal: 1 Vp-p, 75 Ω, unbalanced, sync negative AUDIO IN, phone jack (1) Input level: -8 dBs (0 dBs = 0.775 Vrms) Input impedance: more than 47 kΩ
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Outputs

VIDEO OUT, BNC jack (1) Output signal: 1 Vp-p, 75 Ω, unbalanced, sync negative AUDIO OUT, phone jack (1) Output level: -8 dBs (0 dBs = 0.775 Vrms) Load impedance: 47 kΩ Output impedance: less than 10 kΩ	Mini-jack (2) Stereo mini-jack +5 V, 5.7 kΩ (Low active) OUT: +5 V, kΩ (Low active) IN: Low level
CONTROL S IN/OUT REMOTE WARNING OUT EJECT IN/OUT	SERIES REC IN/OUT OUT: +5 V, kΩ (Low active) IN: Low level
CLOCK ADJ IN/OUT	OUT: +5 V, kΩ (Low active) IN: Low level

Supplied accessories

AC power cord
Operation manual

Optional accessories

Remote Control Unit SVT-RM10, RM-V200



SVT-RM10



RM-V200



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