

SVT-124P

Time Lapse Videocassette Recorder



SONY®

Sony Time Lapse VTR: Working Everyday, Every Minute

The range of Sony CCTV products has been recently expanded with the introduction of a new compact time lapse recorder, the Sony SVT-124P. Providing up to 24 hours of time lapse recording on a standard 180-minute VHS format videocassette,

the SVT-124P is engineered for high reliability, superb picture quality and easy installation.

In a compact body of 240mm width, high operability is guaranteed with a built-in time/date generator, on-screen menu and many other features. A variety of recording modes such as alarm recording, auto repeat and timer recording ensures complete flexibility in capturing vital images according to the application. The SVT-124P also delivers a professional reliability for CCTV operation with features such as advanced Sony APC (Adaptive Picture Control) technology, power failure protection and clog detection capabilities.

The SVT-124P is easy to install and operate. Its robust construction, small foot print and attractive cost of ownership make it ideal for use in applications such as CCTV security systems, crime prevention in retail outlets and banks and so on.



High Quality Recording and Playback in a Compact Body

Multiple Recording and Playback

•Three Recording Modes

The SVT-124P has multiple recording and playback speeds. In addition to a 3-hour standard recording mode, a 12-hour or 24-hour time lapse recording mode can be selected.

Maximum recording time with 180-minute tape (hours)	Recording mode	Actual recording time (hours)	Interval (seconds)
Standard Mode	3	3	1/50
Time Lapse Mode	12	15	0.1
	24	27	0.18

•Various Playback Functions

A field-by-field playback to forward direction can be achieved in still mode, by pressing the FF (fast forward) button. Picture search is also available at about 5 times normal speed in 3-hour mode, by pressing the FF (fast forward) or REW (rewind) button.

Audio Recording and Playback

Sound can be recorded and played back with the image in 12-hour or 24-hour mode as well as in standard (3-hour) mode. When a tape is

played back at the same speed as the recording, the sound can be monitored.

High Picture Quality

The SVT-124P delivers a clear playback picture with fine detail, offering a high horizontal resolution of 300TV lines in colour mode and 350TV lines in black and white mode.

Compact Body

The SVT-124P features a compact body with a 240mm width, which ensures easy installation even in small spaces such as a retail environment.

Advanced Sony Adaptive Picture Control (APC) Technology

To ensure maximum recording quality at all times, the APC feature automatically detects the condition of the recording head and the videocassette tape, then sets the optimum record head current. This feature enables the SVT-124P to always record clear images even after long period of use.

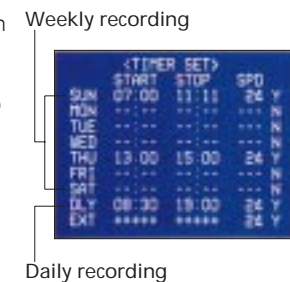
A Variety of Recording Modes

Auto Repeat Recording

In this mode, the SVT-124P automatically rewinds the tape when it reaches the tape end, and re-starts recording. This facilitates virtually continuous non-attended operation using a single tape. This function can be automatically disabled if the unit is tripped into alarm. If required, auto repeat recording can be re-activated after finishing alarm recording by menu selection.

Timer Recording

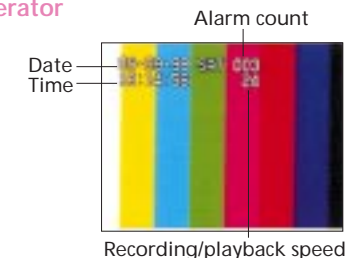
The SVT-124P has a built-in timer which allows the exact recording time and desired recording mode to be preset in advance. Timer recording can be set to weekly recording, daily recording or external timer recording. In weekly recording mode, a timer program can be individually preset for each day of the week. Daily recording enables a recording to be made at the same time every day. External timer recording is also possible via an EXT TIMER terminal on the rear panel. Of course, even in standby, should an alarm occur, the unit still initiates recording as required.



User-friendly Operation

Built-in Time and Date Generator

The SVT-124P is equipped with a built-in time and date generator, which allows time and date information to be superimposed onto incoming video signals. The number of alarm events and the recording speed can also be superimposed onto the incoming video, and the superimposed position can be adjusted using the SHIFT buttons. This ensures a precise record of the date and time of all incidents.



Recording Check Function

During recording in time lapse mode, by pressing the PLAY/REC CHECK

Holiday Setting

Up to 20 days can be specified as holidays (non-working days) in advance so that, on those holidays, the SVT-124P works under the same program as its Sunday program.

Alarm Recording

When an alarm signal is received from an external alarm device via the ALARM IN connector on the rear panel, the recorder automatically switches to Alarm Recording, even if it is in stop or power-off mode. The alarm recording speed is 3H (3-hour mode) and the alarm recording duration can be preset in advance at among 20 seconds, 40 seconds, 1 minute, 2 minutes, 3 minutes, 5 minutes or as long as the alarm input remains active or until the unit receives the next alarm trigger input. During Alarm Recording, the AL indicator flashes in the front panel display.

The information about the eight most recent alarms can be displayed on the monitor screen, including the date and exact time that they occurred, plus the total number of alarm signals received (up to 999).

Alarm Scan

The alarm scan function enables the SVT-124P to quickly review alarm segments on the tape. In this mode, the unit fast forwards or rewinds to the alarm segment, goes into still picture mode for five seconds, then continues on to the next alarm segment.

button, the tape is rewound for about three seconds and played back for about two seconds. The unit then returns to its original recording mode. This allows users to quickly check recording integrity.

On-screen Display

Function settings such as time/date and timer programming are menu-driven. They are easy to set and check on the monitor screen.

Daylight Setting

If you select DAYLIGHT with the menu function, the unit's clock automatically moves forward one hour.

Camera Switcher Interface

A pulse can be output from the SVT-124P to the camera switcher, so that the switching interval and switching timing (field/frame) of the cameras can be set according to the specifications of the camera switcher.

Reliable Safety Features

Signal Output of Tape Before-end Out/Tape-end Out

This function is useful when users wish to preserve a recording tape. In Tape Before-end Out mode, the SVT-124P continues to output a pulse signal via the END OUT terminal on the rear panel when the counter comes three minutes before the tape end, until the end of the tape is reached. In Tape-end Out mode, the unit outputs the pulse signal when the tape end comes.

Warning Signal Output

If recording is inadvertently stopped - for example, due to a tape jam - the SVT-124P outputs a pulse signal via the WARNING OUT terminal on the rear panel.

Buzzer Function

An audible sound is emitted during alarm recording or at the end of the tape. This feature can be disabled, if silent operation is desired.

Power Failure Protection

In the event of a power failure, a built-in lithium battery supplies back-up power to retain the current time and setting modes in memory for up to 30 days. When power is restored, the unit automatically switches back to its original mode.

Security Lock Function

The control panel buttons can be inhibited, making it impossible to change settings accidentally.

Clog Detection

The SVT-124P always checks that video signals are being recorded without problem (in time lapse mode only). If there is a recording problem because of a head clog, the unit gives a warning via the WARNING OUT terminal on the rear panel.

Auto Head Cleaning

Every time a tape is loaded or unloaded, a cleaning roller automatically passes over the video head. This helps to prevent head clogging. In Auto Repeat recording mode, the cleaning is performed for every recording.

Easy Maintenance

A built-in microprocessor enables head drum usage and power-on hours to be shown on the monitor. This helps you to plan routine maintenance.

Specifications

SVT-124P

General

Power requirements	AC 220-240V, 60/50Hz
Power consumption	18W
Operating temperature	5°C to 40°C (41°F to 104°F)
Operating humidity	80% or less
Dimensions	240(W) × 96.5(H) × 333(D) mm (9 1/2 × 3 7/8 × 13 1/8 inches)
Mass	3.8 kg (8lb 6oz)
Tape speed	23.39mm/second (SP mode)
Recording/Playback mode	3-hour, 12-hour, 24-hour
Alarm recording speed	3-hour mode
Alarm recording duration	20s, 40s, 1m, 2m, 3m, 5m, CC*, TRIG * Stays an alarm for as long as the alarm input remains active.
Fast forward/Rewind time	approx. 2.5 minutes (with E-180 tape)

Video

Recording system	Rotary two-head helical scanning system
Input	1.0Vp-p, 75Ω, unbalanced (BNC type)
Output	1.0Vp-p, 75Ω, unbalanced (BNC type)
Horizontal resolution	Colour mode: More than 240TV lines Black & white mode: More than 320TV lines
Signal-to-noise ratio	43dB

Audio

Audio recording system	Monaural
Audio recording time	3-hour, 12-hour, 24-hour
Input	-7.8dBu, 47kΩ (Phono jack)
Output	-7.8dBu, 600Ω (Phono jack)
Microphone input	-60dBu, 600Ω (Mini jack)
Distortion	Less than 4%
Audio signal-to-noise ratio	42dB

Others

Alarm input	Low level
Alarm output	+5V, 5.7kΩ (Low active)
Switch output	+5V, 5.7kΩ (Low active)
Tape end output	+5V, 5.7kΩ (Low active)
Warning output	+5V, 5.7kΩ (Low active)
External timer input	Low level
Remote/Tally	Stereo mini pin (x1)
AC input	3-pin inlet

Supplied Accessories

AC power cable
Operation manual

Optional Accessory

Remote control unit SVT-RM10



0dBu = 0.775Vrms



Front Panel



Rear Panel

Sony is a registered trademark of Sony Corporation.
Features and specifications subject to change without notice.

Distributed by