

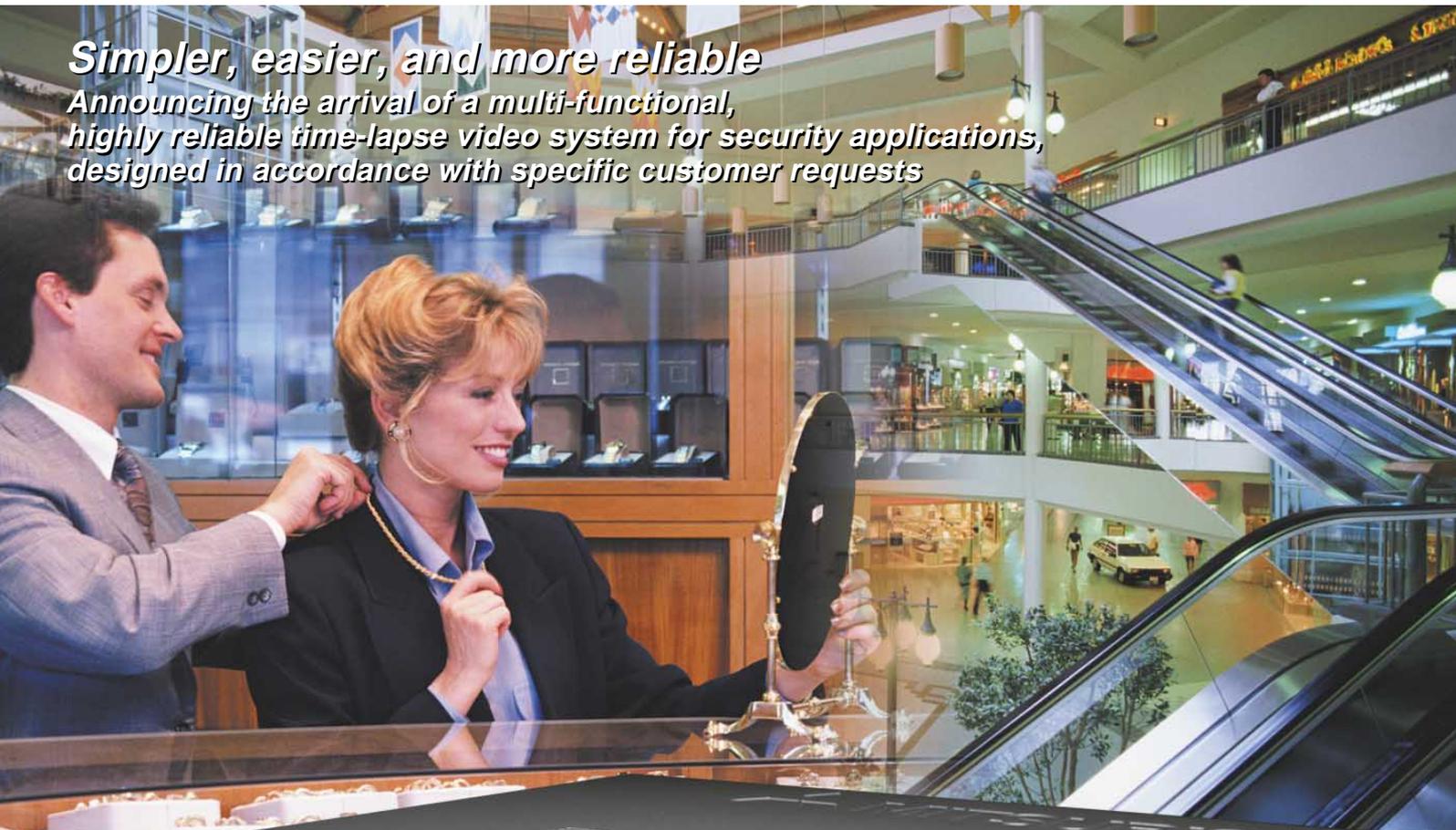
168 HOUR TIME-LAPSE VIDEO CASSETTE RECORDER

MODEL

HS-1168E

Simpler, easier, and more reliable

*Announcing the arrival of a multi-functional,
highly reliable time-lapse video system for security applications,
designed in accordance with specific customer requests*



- All-new mechanism (including new video heads for improved picture quality) enclosed in an extra-strength load-bearing chassis
- Easily recognisable warning of recording problems reported with both an audible signal and a flashing indicator
- Powerful search function supports searching by date and/or time (to the second)

HS-1168E

A new mechanism for more reliable, higher-quality video recording

■ Improved picture quality

The all-new mechanism features newly developed video heads for improved picture quality. Plastic parts have been replaced with metal parts providing further reliability.

■ New load-bearing chassis design

A newly designed centre beam strengthens the chassis structure.



Colour model shown here

■ Software servo

The new software servo enables high-precision control of tape and drum drives.



■ Super-fast FF/REW and super quick response mechanism

One of the quickest machines in this industry, fast-forwards and rewinds tapes in just 120 seconds (with E-180 Tape). Quickly switches from STOP to REC mode within 0.3 seconds (when the drum is operating).

Improved record check function provides greater peace of mind

■ One button recording check

The record check function allows you to check whether recording is proceeding normally with the press of a button.

■ Video-head clog detection and cleaning

The video-head cleaning function automatically detects and cleans any deposits in the video heads whilst still recording with more L12H (inclusive) mode.

■ New warning system

The new easily recognisable warning system indicates recording problems by means of an audible signal and flashing indicator.

■ Self-diagnosis

Internal problems during recording are automatically detected and displayed.

■ Automatic startup following power failure

Previous settings are automatically restored when power is restored.

Now even easier to operate in response to customer demand from the security scene



■ Multiple-language menus

Menus are available in seven languages: English, French, Spanish, German, Italian, Dutch, and Russian.

■ Clock setting

The clock settings on the video recorder can be changed even with the power off, as there is no need to use the screen (conventional method is also available).

■ Daylight savings auto-switcher (In Europe only)

Automatically switches from normal time to daylight savings time, and back again, twice per year (function easily disabled if not required).

■ Timer-record holiday setting

Upto 20 separate dates can be programmed into the timer.

■ New menu structure

The new menu structure provides additional function settings in all areas, including on-screen display, time, timer record, recording, and maintenance, as well as an easy-to-use front search key.

■ Jog shuttle

Use of the jog shuttle makes frame-by-frame playback and high-speed video searching for specific scenes much faster and easier.

■ Up to 168-hour recording

Intermittent recording modes providing up to 168 hours of video.

More useful functions to suit all applications

- Choice of search functions
- Alarm record list
- Remaining-tape display
- Two-way locking
- Series recording
- Auto-repeat recording
- Hard-wired remote terminal
- RS-232C interface (optional)

■ input & output terminal



■ SPECIFICATIONS

Tape Format	VHS 1/2" width high-density video cassette tape.						
Power Source	AC100-230V ± 10%, 50/60Hz.						
Power Consumption	Within 18 watts.						
Television System	CCIR standard 625 lines, 50 field PAL-type colour system.						
Fast Forward/Rewind Time	Approx. 120sec. with E-180 cassette.						
Heads-Video	4 rotary heads.						
Audio/Control	1 stationary head.						
Tape Speed and Recording Time (with E-180 cassette):							
	Mode	Time	Speed	PPS (Picture/sec)	Video signal	Audio signal	Tape drive
	3H (SP)	3 hrs	23.39 mm/sec	50.0P/sec	Continuous	Recordable	Continuous
	L12H (SP)	15 hrs	4.68 mm/sec	10.0P/sec	Continuous	Recordable	Continuous
	L24H (SP)	27 hrs	2.60 mm/sec	5.6P/sec	Continuous	Recordable	Continuous
	48H (SP)	51 hrs	—	2.9P/sec	Time Lapse	—	Time Lapse
	72H (SP)	75 hrs	—	2.0P/sec	Time Lapse	—	Time Lapse
	96H (SP)	99 hrs	—	1.5P/sec	Time Lapse	—	Time Lapse
	120H (SP)	123 hrs	—	1.2P/sec	Time Lapse	—	Time Lapse
	168H (SP)	171 hrs	—	0.88P/sec	Time Lapse	—	Time Lapse
Erase	1 full-track head.						
Horizontal Resolution	More than 330 lines (Black & White) More than 240 lines (Colour)						
Audio Frequency Response	70Hz-7kHz (3H mode).						
Operating Temperature	5°C to 40°C.						
Relative Humidity	Max.80%						
Dimensions	16.7(W)x12.3(D)x3.7(H)(in.).						
(JOG dial included)	425(W)x314(D)x95(H)(mm).						
Weight	9.7 lbs(4.4kg)						
Battery Backup	Lasts 31days.						

CONNECTORS

ALM Input	Screw terminal for starting alarm recording.
RST Input	Screw terminal for finishing alarm recording or for adjusting on-screen clock.
REC Input	Screw terminal for starting/finishing recording, or for series recording.
GND	Screw terminal for ground.
ALM Output	Screw terminal for output while alarm recording is under way.
CLK Output	Screw terminal to command camera switching.
MODE Output	Screw terminal for indication of VCR selected mode.
CALL Output	Screw terminal for external warning device or for series recording.

MITSUBISHI ELECTRIC CORPORATION
 KYOTO WORKS : 1 ZUSHO BABA NAGAOKAKYO CITY KYOTO 617-8550, JAPAN PHONE : (075) 958-3245 FAX : (075) 958-3730

NOTICE

Dimensions shown are approximate. Design and specifications subject to change without notice. Please contact our sales staff for further information.