

INDUSTRIAL-USE VIDEO CASSETTE RECORDER



MODEL

HS-MD3000U

Experience Superior Video Reproduction

Introducing Mitsubishi industrial-use VCRs. Clean signals for clear, vivid image reproduction every time.



Professional-use VCR packed with digital technologies for supe

Medical services demand high quality, and that's what Mitsubishi HS Series S-VHS VCRs provide. The S-VHS ET fu other devices used for medical services.

Only with S-VHS Superior Image Reproduction and Consistency

Super High Picture Quality

Over 400 Lines of **Horizontal Resolution** "Even with VHS tape (HG)"

Compliant with S-VHS standard for new S-VHS ET recording technology. Obtain high picture quality equivalent to S-VHS recording using VHS tapes.

Play back VCR Recorded tape	S-VHS VCR	VHS VCR
S-VHS Play back (recorded on S-VHS tape)	0	0*
S-ET Play back (recorded on VHS tape)	0	0,
VHS Play back (recorded on VHS tape)	0	0

Exquisite Still & Slow-Motion Reproduction "Vertical Resolution Maintained"

With the built-in digital frame memory, priority is given to images in still frames and blurring is controlled in still fields. Proper switching ensures the reproduction of high-quality still and slow-motion images free of blurring.

- : 400 lines resolution, S-VHS quality

Analog Unit Loaded with Digital Technologies

- Digital 3D Noise Reduction: Noise is cut when tape is played, providing clean data signals even if the tape is old.
 Digital 3D Y/C Separation: Highly precise separation of Y (luminance) and C (color) signals is provided at the time of recording to ensure clear, vivid images when tape is played.
 Digital TBC: Ensures stable, clear picture by removing flicker and distortion in replayed image.

Easy-to-Operate Record

Super-Fa

Quick Fast-Forward & Rewind "Entire Tape within Approx. 120 sec"

no time at all with ultra-quick fastforward and rewind. Furthermore, the fan has been eliminated owning to the introduction of energy-saving circuitry and a drive

Find the images to be reviewed in

silencer has been added, thus allowing a quiet environment for medical services to be maintained.

Operation Ease and Convenience a Step Above the Rest - Impressive Lineup of Advanced Functions

Self-Diagnostics System "Automatically detects abnormal operation"

tion in operation occurs within the unit, information about the abnormality is displayed on the LCD panel or monitor screen.

"Insert narration with images"

The VCR is equipped with two-channel Hi-Fi recording and has one additional monotone channel for the addition of narration for images after initial recording has been completed (use microphone plugged into mic terminal on the front of the unit).

Flying Erase Head

"Smooth, clean frames transition"

After recording has been stopped, the flying erase head traces back over the image track and erases rainbow noise and distorted images before beginning to record again, thus ensuring smooth, clean connection of image recordings.

Dual Jog Dial Shuttle

"Quickly search for recorded images"

Use the inner jog dial to control forward and reverse frame movement and the outer dial to control search speed. Combine the two and quick search of specific images is easier than ever. Setting the menu

Tape usage is monitored and displayed an easy to read hr:min:sec format. A bar-type display indicator also shows the amount of tape remaining, which helps to prevent recording mistakes due to shortage

Multiple Search Patterns

"Quick leader tape search"

"Blank Search" searches for sections of tape that have not been recorded automatically. "Time/Date Search" searches recorded data by time and date imprints. "Index Search" quickly searches for the leader tape at the start of each recording session. Choose the search method most convenient for the purpose at hand.

"Lighted keys for easy operations in the dark"

Large numerical display, easy-to-read panel and illuminated keys provide easy recognition in the dark.

Other Functions -

- Digital Tracking Long Pause Automatic Head Cleaning
- Automatic Replay Used Time Display
- ●2-Way Mode Lock

ior picture quality, operation ease and external remote control.

tion ensures images recorded will have superior picture quality. Optional interface board allows connection with

ig and Play Functions



Fast Recording Start Time "Approx. 0.7 sec" (drum motor on)

A quick-action high-speed mechanism has been installed to ensure recording start immediately. Even if the drum is turned off, recording will start in 2.3 sec.

Impressive Operation Ease even in Special-Use Environments

Energy-Efficient & Lightweight, Compact

Amazingly Low Electricity Use "Approx. 0.4-0.2A"

Industry leading energy efficiency has been achieved using original circuit technology, allowing the limited electricity capacity available in medical environments to be utilized

Lightweight & Compact "Approx. 14.3 lbs (6.5kg)"

Our HS-MD Series models are some of the smallest and lightest professional-use VCRs in the industry. The simple, sleek system design has no slots or holes, thus preventing the radiation of internal heat.



Simple Interface System-Compliant with all interfaces

Compatible with RS-232C/USB and 34-pin parallel interfaces allows remote control when connected to ultrasound diagnostic equipment or other devices.

INDUSTRIAL-USE VIDEO CASSETTE RECORDER HS-MD300





Mitsubishi Industrial-Use S-VHS Video Cassette Recorder

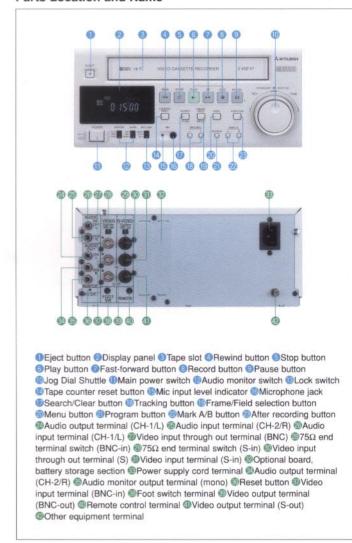
Specifications

Power Supply	Input voltage: 100-230VAC ±10%, 50/60Hz	
	Power consumption: Approx. 0.4-0.2A	
Signal System	EIA standard 525 lines 60 fields NTSC-type color signal	
Recording System	Luminance signal: FM system	
	Color signal: Low-pass conversion	
Videotape	S-VHS, VHS cassette	
Tape Speed	33.35 mm/sec	
Recording Time	120 min (using 120 min tape)	
Fast-forward/Rewind Time	approx. 120 sec (using 120 min tape)	
Audio Channels	2-channel Hi-Fi, 1-channel monotone	
Image Input	S-video (Y-signal): 1.0V (p-p), 75Ω	
	(C-signal): 0.286V (p-p), 75Ω	
	BNC terminal: 1.0V (p-p), 75Ω	
Image Output	S-video (Y-signal): 1.0V (p-p), 75Ω	
	(C-signal): 0.286V (p-p), 75Ω	
	BNC terminal: 1.0V (p-p), 75Ω	
Horizontal Resolution	S-VHS/S-VHS ET mode: Over 400 TV lines	
	VHS mode: Over 240 TV lines	
Image S/N	Over 45dB	
Audio Input	Line-in (CH-1, CH-2): 346 mV (rms), 47kΩ (RCA pin×2)	
	Mic input, 0.775 mV (rms), 600Ω (Mini-jack×1)	
Audio Output	Line-out (CH-1, CH-2): 346mV (rms), 1kΩ (RCA pin×2)	
	Monitor output (mono): 346 mV (rms), 1kΩ (RCA pin×1)	
Dynamic Range	Over 90dB (Hi-Fi audio)	
Dimensions (W×D×H)	10.6×14.4×4.9 inch (270×366×125mm)	
Weight	14.3 lbs (6.5kg)	

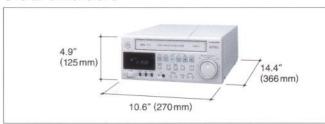
Optional Parts



Parts Location and Name



Overall Dimensions



A Safety Warning

To ensure proper use of the products listed in this catalog, please be sure to read the instruction manual prior to use.

