

MITSUBISHI HS-9440U

24H Real Time 40H Time-Lapse Recorder With Audio



Technology, quality and price are the three diamonds you get when you purchase a Mitsubishi time-lapse recorder. The HS-9000U product line introduces a new deck with high-end features at a competitive price. Included in all HS-9000U models is Mitsubishi innovation, includes new heads and pre-amp circuit providing better picture quality, digital control of the servo circuit for precise tape control, acrylic light guides that reduce hardware components, and re-designed cassette guides for increased reliability. Also standard is the Jog/Shuttle, for ease of use in programming, and in playback, a selectable three language On Screen menu, and a universal power supply. The three diamonds make Mitsubishi time-lapse recorders the overwhelming choice for security applications.

Peace of mind at an affordable price is what the HS-9440U gives you. High-end features including RT recording, time-date search, head clog detect, multiple lock modes and the best warranty in the business make the HS-9440U an easy choice for your recording needs.

KEY FEATURES

- RT 20 fields p/sec recording
- Jog/shuttle
- Auto head clean and head clog detect
- Multiple security locks
- Front panel clock settings
- Record & playback in standard 6H (EP) mode
- Alarm Rec. EP (8/L24 with T160)
- Special playback (still, slow, FF/REW)
- Power loss list
- Alarm index cueing
- Record check
- Series recording
- Video input signal loss indicator
- Audio REC. to 40 hours
- Time date search
- Timer holiday settings
- Auto daylight settings
- On screen menu (English, Spanish, French)
- Power failure record restart
- Tape END warning
- Auto & manual tracking
- External time clock synchronization
- Battery backed up timer/program memory/alarm
- Tape use counter
- Multiple malfunction warning display
- Optional RS-232C for computer control
- Optional wired remote (R-9100)
- Two year parts and labor and one year head parts and labor warranty

(Complete product specifications on reverse side)

 **MITSUBISHI**
IMAGING PRODUCTS

HS-9440U TIME LAPSE RECORDER



HS-9440U SPECIFICATIONS

Recording Speed and Modes (T160)

Mode	Time	Speed	Intervals	Fields	Video	Audio	Tape Drive
8H (EP)	8H	11.12 mm/s	0.0176 s/field	60	Continues	Yes	Continues
L24 (EP)	24H	3.71 mm/s	0.050 s/field	20	Time-lapse	Yes	Continues (slow)
L40 (EP)	40H	2.22 mm/s	0.083 s/field	12	Time-lapse	Yes	Continues (slow)

Video

Horizontal Resolution	240 lines in color & 330 lines in B/W
Signal Format	CCIR standard 525 lines 60 fields/sec. NTSC (color/BW) auto select
Tape Format	Standard 1/2" VHS (T160)
Video Recording	2 video helical heads for recording and standard playback, 4 heads for special playback
Luminance Signal	FM recording
Color Signal	Low frequency conversion, sub-carrier phase shift recording
Video Input	1.0 Vp/p, 75 ohms unbalanced, BNC-F jack
Video Output	1.0 Vp/p, 75 ohms unbalanced, BNC-F jack
Signal to Noise Ratio	Better than 42 db

Audio

Input	308 mV (rms), 50 K ohms, RCA plug
Output	388 mV (rms), 1 k ohms, RCA plug
Frequency Response	70 Hz to 4 KHz (8H mode)
Signal to Noise Ratio	Better than 43 db

Connectors

ALRM Input	Screw terminal, input to start alarm recording
RST Input	Screw terminal, input to end alarm recording and for adjusting multiple VCR clock settings
Record Input	Screw terminal, input used for independent start/stop recording and for series recording
GND	Screw terminal for chassis ground
Alarm Output	Screw terminal, output to alarm device (siren, horn, other) while alarm is active
CLCK Output	Screw terminal, output clock signal for camera switching
MODE Out	Screw terminal, output signal indicates VCR's operations mode (Rec/Play/Power/others)
CALL Out	Screw terminal, output warning signal and also used in series recording (alarm, other & malfunction)

General

Audio Tracks	1 track (audio in all modes)
Battery Backup	31 days
Fast Forward/Rewind Time	Approx. 120 sec. with T-120
Elapsed Use Time	To 89,999 hours maximum
Timer Programs	8 position, daily start and stop times for one week
Front Panel Display	Fluorescent
Alarm Recording Time	Time: 15/30/45 sec., 1/2/5/10 min
Setup Menu	On screen (multi-language: English, Spanish, French)
Microphone Input	67 db 600 ohms, 3.5mm mini mic. jack
Motors	3 motors- drum/capstan direct drive system
Heads-Video	4 rotary single crystal heads
Heads-Audio/Control	1 stationary audio & control
Head-Erase	1 full track erase head
Rating: SET/RST/REC	Active when shorted to ground or "L" (0-+1.6 V), time to activate 0.1 sec. or more. *Inactive when open
Rating: ALARM/CALL/MODE	Active "L" (0-.4 V) output max. drive current 50 mA (+5 V DC)/10 mA (24 V DC)
Rating: CLK Recording	A pulse of freq. div. ratio, selected by REAR TERMINAL menu
Power Source	100-230 VAC 50/60Hz
Power Consumption	Approx. 18 Watts
Power Cord	3 wire (3 prong for 120V/60Hz)
Operating Temperature	41° F - 104° F (5° C - 40° C)
Relative Humidity	Max. 80%
Dimensions (W x H x D) (including Jog Dial)	16.7 x 3.7 x 12.3 in. (425 x 95 x 313 mm)
Weight	9 lbs. (4.2 kg)

Authorized Mitsubishi Digital Electronics Sales Representative:

Standard features, options and specifications subject to change without notice.

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