

## D-VHS Recorder/Player

# MV8300P



The MV8300P D-VHS digital recorder is D-VHS, S-VHS, VHS, and Hi Fi VHS compatible to ensure perfect integration with any pre-existing or new system. Uniquely designed, the MV8300P allows recording and playback of existing tape libraries while providing state-of-the-art, high-definition digital recording. You can even continuously record satellite, cable, or off-air antenna content for up to 35 hours.



Features RS-232

### Key Features

- Digital-to-Digital Connection via i.Link (IEEE 1394) Terminal
- HDTV Digital Broadcast Bitstream Recording/Playback
- Built-In MPEG2 Decoder for Direct Connection to HDTV
- Stand-Alone MPEG Encoder (480i)
- Records Any Type of Broadcast, Including HD, SD, or Analog
- HS Mode (28.2 Mbps) for Up to 3.5 Hours Record Time<sup>1</sup>
- STD Mode (14.1 Mbps) for Up to 7 Hours Record Time<sup>1</sup>
- SD Recording LS3 Mode (4.7 Mbps) for Up to 21 Hours Record Time<sup>1</sup>
- SD Recording LS5 Mode (2.8 Mbps) for Up to 35 Hours Record Time<sup>1</sup>
- D-VHS (HS, STD, LS3, LS5), S-VHS (SP, EP), S-VHS ET (SP, EP), Hi Fi VHS (SP, EP), and VHS (SP, EP)

### Easily Connected via RS-232 to Any A/V System

The RS-232 serial connection enables the MV8300P to be remotely controlled in integrated system applications. The deck includes a full complement of digital and analog inputs and outputs to facilitate use in any system. It also provides multiple IEEE-1394 DV inputs, two sets of A/V inputs with S-video connections, component video and A/V outputs, and an optical digital audio output.

### Backwards Compatible

You can play your existing VHS/S-VHS tapes and be able to record in the standard VHS/S-VHS formats while maintaining today's high-definition digital-quality broadcast when recording with the MV8300P.

### Long-Term Recording and Archiving

The MV8300P features multiple record speeds that enable continuous long-term logging (up to 35 hours) for applications that require archiving audio and video.

### Applications

- Court Video Recording
- Scholastic Recording
- Government Recording
- Video Conferencing

<sup>1</sup> on a 420 minute D-VHS cassette.

# MV8300P

## Specifications

### General

Power Requirement	AC 120V, 60Hz
Power Consumption	
Power On	42 W
Power Off	.18 W
Temperature	
Operating	5C to 40C (41F to 104 F)
Storage	-20C to 60C(-4F to 140F)
Operating Position	Horizontal only
Dimensions (W x H x D)	435 mm x 94 mm x 383 mm
Weight	5.5 kg (12.2 lbs)
Maximum Recording Time	
D-VHS (HS)	210 min. with DF-420 video cassette
D-VHS (STD)	420 min. with DF-420 video cassette
D-VHS (LS3)	1260 min. with DF-420 video cassette
D-VHS (LS5)	2100 min. with DF-420 video cassette
S-VHS/VHS (SP)	210 min. with ST-210 video cassette
S-VHS/VHS (EP)	630 min. with ST-210 video cassette
<b>Video/Audio (D-VHS)</b>	
Video Format	MPEG2 standard
Audio Format	Encode MPEG1 layer 2 Decode MPEG1 Layer2 Dolby Digital LINEAR PCM (HS/STD)
Track Composition	
Tape Speed	33.3 mm/sec (HS mode) 16.7 mm/sec (STD mode) 5.6 mm/sec (LS3 mode) 3.3 mm/sec (LS5 mode)
Head Azimuth	+/- 30 deg
Drum Rotation	1800 rpm
Tracking System	CTL tracking system
Recording Specification	
Main Data Input Rate	28.2 Mbps (HS mode) 14.1 Mbps (STD mode) 4.7 Mbps (LS3 mode) 2.8 Mbps (LS5 mode)
Interface	IEEE1394 compliant DTCP digital copy protection compatible

### Video/Audio (S-VHS/VHS)

Format	S-VHS/VHS NTSC standard
Signal System	NTSC-type color signal and EIA monochrome signal 525 lines/60 fields Double azimuth head helical scan system
Recording/Playback System	45 dB
Signal-To-Noise Ratio	
Frequency Range	70 Hz to 10,000 Hz
Normal Audio	20 Hz to 20,000 Hz
Hi-fi Audio	
Tuner	
Tuning System	Frequency-synthesized tuner
Channel Coverage	
VHF	Channels 2-13
UHF	Channels 14-69
CATV	113 Channels
Timer	
Clock Reference	Quartz
Program Capacity	1-year programmable timer/24 programs
Memory Backup Time	Approx.10 min.
Connectors	
Input/Output	IN/OUT (DV IN) x 2 (4-pin, S400) RCA connectors (IN x 3, OUT x 2) S-video connectors (IN x 3, OUT x 2) Component video OUT (Y, Pb/Cb, Pr/Cr) x 1 Digital OUT (optical) x 1
Accessory	3RU rack kit included

NOTE: Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.



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