



Digital Video Recorder

Model MPG-200

MPG-200 is a standalone, real-time Digital Video Recorder/Player that records video and stereo audio in the MPEG-2 format to a Removable Hard Drive. The major advantage over tape-based VCRs is the minimal deterioration over time with no loss of quality, even after hundreds of playbacks. This makes the MPG-200 the perfect choice for continuous playback duty and an excellent alternative to high performance VCRs. Composite, S-Video and Stereo Audio inputs and outputs are standard. User selectable bit rates from 2 to 12 Megabits per second permit a choice of the desired quality level when recording. Video and Audio is organized in individual tracks for flexibility.

MPG-200 has a play-while-recording function that allows an infinite time delay measured in frames, seconds, minutes or hours. On-air time manipulation is available to manage inappropriate visual or audio content that might otherwise make its way onto the air. This feature can also be used for time zone delays in a broadcast environment.

MPG-200 has a web based Play List function that permits programmed playback of sequential or non-sequential tracks. The Play List information remains on the hard disk, so when the unit is powered up the Play List data can be edited or have tracks renamed.

MPG-200 model is available with User Removable Hard Drives to provide a variety of storage capacities. For example, a single 250GB Hard Drive can hold more than 92 hours of DVD quality Video (6Mbps recording speed). Finally, the RS-232 interface and web interface facilitates flexible external control.



MPG-200



The controller has a familiar VCR-type functionality, including a Jog-Shuttle knob. Slow motion playback via the jog control is a standard feature.

Optional Scheduling Software allows control from a PC to playback specific tracks at predetermined times. Third party machine control and automation companies also provide standard and custom solutions. All command protocols are included in the manual, so systems integrators and end-users can write custom control software.

Besides handling machine control functions, the ports can be connected to a PC to update the internal firmware systems of the MPG-200 machine. This enables users to take advantage of improvements or additional features by downloading the new code from our website and updating the unit's boot drive.

The MPG-200 is housed in a metal case that can be mounted in a standard 19" rack.

Key Features of the MPG-200

- Real-time recording with no waiting for encoding
- Flexible recording times and quality levels
- VCR-type Control Pad for Familiar Look and Feel
- Ethernet and RS-232 Interface for remote control
- Slow Motion Playback via Jog control
- Composite and S-Video Input and Output
- Standalone operation – No PC needed
- No picture degradation in Digital Video quality
- Removable Hard Drive for easy interchange
- On Screen Record/Playback Control
- Play List Feature for Random Track Playback
- PAL, NTSC Operation

Approximate Recording Times for Standard Hard Drive

Model	HD Size	3Mbps	6Mbps	8Mbps	10Mbps	12Mbps
MPG-200-RHD250	250GB	185.18 Hours	92.59 Hours	69.44 Hours	55.55 hours	46.29 hours

Specifications

Video Input

Composite Video	1x via BNC Connector
S-Video (Y/C)	1x via 4-Pin Mini-DIN Connector
Impedance	75Ω
Television Standards	PAL, NTSC

Audio Input

Unbalanced Stereo	1x via RCA Connectors (R/L)
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Video Outputs

Composite Video	1x via BNC Connector
S-Video (Y/C)	1x via 4-PIN Mini-DIN Connector
Impedance	75Ω
Television Standards	PAL, NTSC

Audio Output

Unbalanced Stereo	1x via RCA Connectors (R/L)
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General

Compression Method	MPEG-2
Recording Bit Rates	From 2 to 12 Mbits per sec
Slow Motion Playback	Forward, From Jog Dial
Hard Drive Sizes	250Gb Standard
Hard Drive Type	Removable EIDE, 7200 RPM
Hard Drive File Type	Linux Format

Control Methods

Hand Held Controller	Push Button: Rec/PB/Direction Plus Jog-Shuttle/Slo-Mo Knob
RS-232 Interface	via DB-9 Male Connector
Ethernet	RJ-45 10/100 Mbit

Mechanical

Size (H-W-D)	3.5x19x20" (89x482x507mm)
Weight (Net)	27.5 lbs (12.5 kg)

Warranty

Limited Warranty	2 Years Parts and Labor
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Environmental

Operating Temperature	+5° to +45° C (+41° to +113° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement

Internal Power Supply	100-240VAC, 50-60Hz, 300W
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Regulatory Approvals

DVR Units	FCC, CE
Power Supply	UL, CE, CSA

Accessories Included

1x Operations Manual	
1x Rear Rack Rails	
1x Jog-Shuttle Control	
1x AC Power Cord	6' (2m) US, UK or Euro or Type

Product Item Numbers

MPG-200-RHD250	DVR with 250GB HD
MPG200-TRAY	Spare Hard Drive Tray
MPG-DRIVE-250	Spare 250GB Hard Drive

Panel Drawings

