

SONY

VIDEODISC PLAYER LDP-1450 WITH CHARACTER GENERATOR



The Sony LDP-1450 continues the Sony tradition of high-quality video, reliability, and advanced features in an economical, industrial videodisc player.

The LDP-1450 standard features include high-speed access, rugged construction, built-in character generator, RS-232C computer interface, and primary code compatibility with other Sony LDP-series industrial players.

The LDP-1450 was designed with interactive video applications in mind.

Reliability - Like all Sony LDP-series players, the LDP-1450 is engineered for exacting professional applications and long-term reliability.

Automatic Optical Block Protection - The critical optical block assembly is automatically protected for safe shipment to make transportation easy and minimize repair and down time.

High-Speed Access - CAV frame search is 2 seconds or less! This rapid access is usually found only on the highest-priced players.

Built-in Character Generator with Video Overlay - Messages and titles can be superimposed over videodisc motion and still images without using an external graphics/overlay system. Computer access to different character sizes offers easy updating of messages and enhancement of video images.

Black Burst Video Out Signal - This unique feature permits internally generated characters or externally overlaid computer graphics to remain on screen and stable even when the player is in the search mode.

Excellent Software Control The LDP-1450 offers extensive software control features including audio muting control, video on/off, videodisc tray eject with enable/disable, memory search, picture stop code enable/disable, etc.

External Computer Interface - Like all Sony industrial videodisc players, the LDP-1450 has an intelligent RS-232C serial communications port which receives commands from virtually any kind of computer and returns status information to the CPU.

Automatic Front-Load Mechanism - The videodisc tray is motor driven for ease of use. Its movement may be controlled manually or by external computer control via the RS-232C port.

LDP-1450 SPECIFICATIONS

PLAYBACK SYSTEM

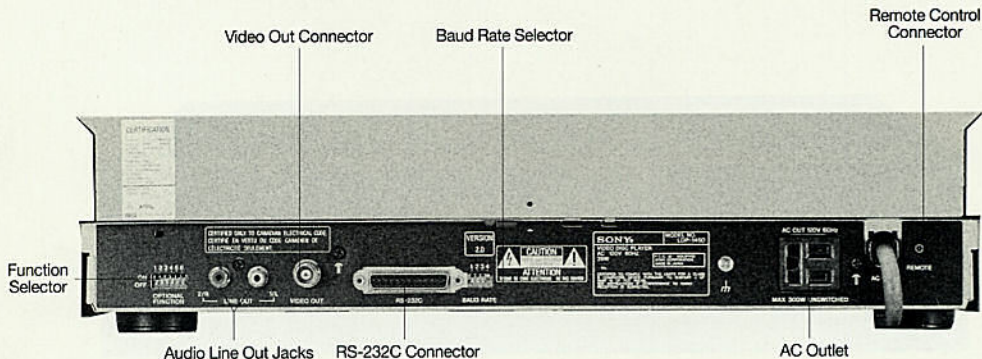
Videodisc format: Laservision
Videodisc size: 8" and 12"
Pick-up method: Laser beam (reflective)
Laser type: Semiconductor laser diode
Laser output: .4 mW max.
Maximum playing time:
CAV: 30 min./side
CLV: 60 min./side
Spindle revolution: CAV: 1800 RPM
CLV: 1800 to 600 RPM
Access time:
CAV: 2.0 sec. max.
CLV: 10.0 sec. max.

VIDEO SECTION

Signal: EIA standard, NTSC color
Outputs: Video Out (BNC) - 1.0 V p-p,
75 ohm unbalanced,
negative polarity sync
Resolution: 400 lines

AUDIO SECTION

Outputs: -3.7 dB
(1 KHz, 100% modulation,
47K ohms terminated),
unbalanced
Signal-to-noise ratio:
CX On: 70 dB
CX Off: 56 dB
Frequency response: 40 Hz to 20 KHz, ± 3 dB



EXTERNAL COMPUTER INTERFACE

Interface type: RS-232C (female, 25-pin,
D-shell connector)
Baud rates: 1200, 2400, 4800, and 9600
selectable

CHARACTER GENERATOR

Software control: Software selectable text,
placement, and style.
Size: Height: 16, 32, 48, 64
rasters
Width: 16, 32, 48, 64 dots
Number of lines: 1 line of 20 characters
3 lines of 10 characters
Style: Windowed text
Text on video background
Text on blue background

OPERATING ENVIRONMENT

Operating temperature: 5° to 35°C (41° to 95°F)
Operating humidity: 25% to 80%
non-condensing
Storage temperature: -20° to 60°C (-4° to 140° F)

GENERAL

Power requirements: 120V AC, 60 Hz
AC outlet: Unswitched, max. 300 W
Power consumption: 38 W max.
Dimensions (W x H x D): Approx. 424 x 132 x 148mm
16 1/4 x 5 1/4 x 19 1/4"
Weight: 13.4 kg
(29 lbs., 9 oz.)

Supplied Accessories

Power Cord
Operating Instructions

Optional Accessories

RM-2001 Remote Commander* Provides wired remote control of the videodisc player.
RMM-121 Rack Mount Kit 19" EIA rack mount kit.
LDM-G1000 Interface Manual Describes command protocol for external computer control of the LDP-1450.
SMF-3036C Null Modem Cable DB9 to DB25 RS-232C interface cable for IBM® AT® style serial ports.
SCK-2036 Null Modem Cable DB25 to DB25 RS-232C interface cable for IBM® PC,™ PC/XT™ style serial ports.
SMF-V503 Null Modem Cable Mini 8-pin DIN to DB25 RS-232C interface cable for Apple® Macintosh® II computers.
LDW-503 Voyager Videostack™ for Sony Provides Apple® Hypercard™ buttons for videodisc player control. Use LDP-1200 installation option for the LDP-1450.

SONY

For More Information Contact:

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