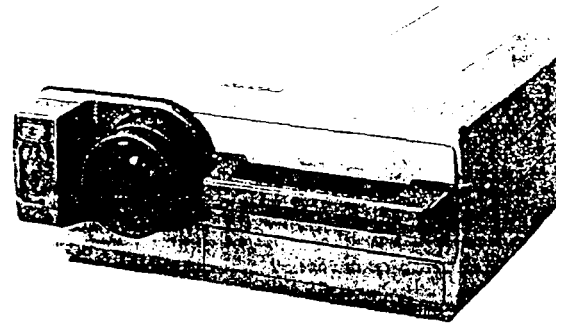


2-4 LCD projectors

VPL-V500Q (NTSC/PAL/SECAM/NTSC-L/PAL-M)

LCD Data Projector

- LCD (Liquid Crystal Display)-based video projector
- Three p-Si TFT LCD panels for a total of 921,600 pixels (307,200 pixels x 3 panels)
- 250 W metal halide lamp incorporated
- A high light output of 500 ANSI lumen¹⁾
- Excellent uniformity and accurate color reproduction assured with advanced technologies
- Accepts VGA, Macintosh 13-inch mode and SVGA²⁾ mode other than video signals
- Light in weight and compact design for easier handling
- On-screen menu with a choice of seven languages for adjustment/operation
- Supplied wired/wireless remote commander RM-PJM500 controls all the projector functions such as set-up adjustments and operational functions
- Mouse function operation for remote control of the connected computer source
- Desk top mounted projection and ceilings mounted projection capabilities
- Can be used with screens from 40 to 300 inches in size
- Reproduced images can be viewed without any disturbance of the projector, thanks to the optical design which enables the projector to be installed lower in comparison to the screen
- Power saving mode available



Supplied accessories: Remote commander RM-PJM500
 Mouse receiver RM-PJ2C
 HD D-sub 15-pin (male) to HD D-sub 15-pin (male) cable
 VGA-Macintosh adapter
 Size AA (R6) battery (x2)
 AC power cord
 Operating instructions

Optional accessories: Signal Interface cable SIC-20A/20C/21/22
 Remote control receiver RM-PJ10
 Projector lamp (for replacement) PK-PJ500³⁾
 Projection lens VPLL-FM100
 Carrying case VLC-500
 Suspension support PSS-500
 Signal adapter ADP-10
 (HD D-sub 15-pin to D-sub 9-pin for SIC Cable)
 HD D-sub 15-pin to 5 BNC cable SMF-400
 100-inch flat screen VPS-100FH¹⁾
 120-inch flat screen VPS-120FH¹⁾

Specifications

Optical

Projection system: 3 LCD panels, 1 lens, projection
 1.3-inch p-Si TFT LCD panel, 921,600 pixels (307,200 pixels x 3 panels)

Projection lens: 1.6 times zoom lens
 f50 to 80 mm/F2.5 to 3.1

Lamp: 250 W metal halide lamp

Screen coverage: 40 to 300-inch

Light output: ANSI: 500 lm

Throwing distance: 41-inch: 1490 to 2290 mm (58 3/4 to 90 1/4 inches)
 80-inch: 3090 to 4710 mm (121 1/4 to 185 1/4 inches)
 100-inch: 3880 to 5910 mm (152 3/4 to 232 3/4 inches)
 120-inch: 4680 to 7120 mm (184 1/4 to 280 3/4 inches)
 200-inch: 7860 to 11940 mm (309 1/2 to 470 1/2 inches)
 300-inch: 11820 to 17950 mm (465 1/4 to 707 1/4 inches)

General

Color system: PAL/NTSC/SECAM/NTSC-L/PAL-M automatically selected

Resolution: Video: 500TV lines
 RGB: 640 x 480 pixels

Compatible signals: 15k RGB/Component (NTSC)
 IH: 15.734 kHz, IV: 59.94 Hz
 15k RGB/Component (PAL/SECAM)
 IH: 15.625 kHz, IV: 50 Hz
 VGA mode 1 (640 x 350 dots)
 IH: 31.468 kHz, IV: 70.086 Hz
 VGA mode 2 (TEXT 640 x 400 dots)
 IH: 31.468 kHz, IV: 70.086 Hz
 VGA mode 3 (GRAPHICS 640 x 480 dots)
 IH: 31.468 kHz, IV: 59.94 Hz
 VESA 72 Hz (640 x 480 dots)
 IH: 37.86 kHz, IV: 72.809 Hz

Macintosh 13-inch mode

IH: 35.0 kHz, IV: 66.667 Hz
 SVGA VESA 56Hz (800 x 600 dots)²⁾
 IH: 35.156 kHz, IV: 56.25 Hz
 SVGA VESA 60Hz (800 x 600 dots)²⁾
 IH: 37.879 kHz, IV: 60.32 Hz

Horizontal frequency: RGB: 15 kHz (S on G/Composite Sync)

range of computer input: 24 to 40 kHz

Speakers: Max. 2 W+2 W, 7 x 4 cm stereo

Power requirements: AC 220 to 240 V, 50/60 Hz

Power consumption: Max.: 350 W, Stand by: 10 W

Heat dissipation: 1194.4 BTU

Mass: Approx. 10 kg (22 lb)

Operating temperature: 0 to 40°C (32 to 104°F)

Operating humidity: 35 to 85%

Storage temperature: -20 to 60°C (-4 to 140°F)

Storage humidity: 10 to 90%

Inputs/Outputs

VIDEO IN:

Composite video: BNC
 1 Vp-p ± 2 dB sync negative, 75Ω

S video: Mini-DIN 4-pin
 Y (luminance): 1 Vp-p ± 2 dB sync negative, 75Ω
 C (chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC),
 0.3 Vp-p ± 2 dB (PAL), 75Ω

Audio IN: Phono (x2)
 500 mV rms, stereo, impedance more than 47kΩ

INPUT A:

Analog RGB/Component: HD D-sub 15-pin (Female)
 R/R-Y: 0.7 Vp-p ± 2 dB positive, 75Ω
 G: 0.7 Vp-p ± 2 dB positive, 75Ω
 G with sync/Y: 1 Vp-p ± 2 dB sync negative, 75Ω
 B/B-Y: 0.7 Vp-p ± 2 dB positive, 75Ω
Sync/HD Composite sync: 0.6 to 8 Vp-p, high impedance sync positive/negative
 Horizontal sync: 0.6 to 8 Vp-p, high impedance sync positive/negative
VD: Vertical sync: 0.6 to 6 Vp-p, high impedance sync positive/negative

Audio IN: Phono (x2)
 Stereo, 500 mV rms, impedance more than 47kΩ

AUDIO OUT:

(Variable out) Phono (x2)
 Max. 1 V rms, when input is 500 mV rms, impedance less than 5kΩ

CONTROL SIGNAL

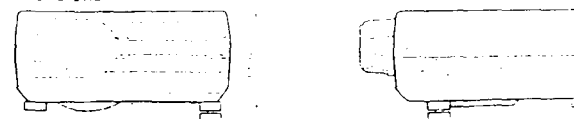
PLUG IN POWER

Safety regulations

Stereo mini-jack
 5 Vp-p, Plug in power DC 5 V maximum output

UL1950, CSA950, FCC Class B, IC Class B

Dimensions



Unit: mm

¹⁾ ANSI lumen is a measuring method of American National Standard IT 7.229

²⁾ Compressed SVGA signal is reproduced

³⁾ Some items are not available in some areas. For details, please contact your nearest Sony office