

2-1 Multiscan projectors

VPH-G90U (NTSC/PAL/SECAM/NTSC_{4.43})

- Multiscan capability: horizontal 15 kHz to 150 kHz, vertical 35 Hz to 150 Hz
- Incorporates new, high resolution 9-inch electromagnetic focus CRTs
- Incorporates a Universal Optical Coupling
- Remarkable light output of 350 ANSI lm*¹ (150 kHz: 50 Hz, 6500 K), 1300 ANSI lm (peak white), 500 ANSI lm (all white)
- High resolution of 700 TV lines (VIDEO), 1100 TV lines (HDTV) 2500 x 2000 pixels (RGB, measured at fH: 102 kHz, fV: 50 Hz)
- Wide RGB bandwidth of 135 MHz
- Wider range of registration adjustments for accurate registration
- HACC lens for superior and stable picture performance
- Video decoder circuit for enhanced video picture quality
- Sony Digital Reality Creation
- Responds to both analog/digital RGB signals
- Supplied wired/wireless remote commander RM-PJ1001 controls all the projector functions such as set-up adjustments and operational functions
- Various optional accessories available for system versatility
- Desk top mounted projection, ceiling mounted projection, floor mounted projection and rear projection capabilities
- Can be used with screens from 90 to 300 inches in size with simple adjustments



VPH-G90E



VPH-G90M



Supplied accessories: Remote commander RM-PJ1001
Remote commander cable 15 m (Stereo Mini Jack)
Adjustment plate
AA size battery (3)
AC power cord
Operating manual
Installation manual

Optional accessories: Interface board: IFB-12A/21/50/1000
Signal interface cables: SIC-10/20A/20C/22/M1/M5/ M15/M25/M50
Signal interface switchers: PC-3000/1271
Interface unit: IFU-1271
Suspension support: PSS-90/10
Infrared remote control receiver: RM-PJ10
Signal adaptor: ADP-20
HD D-sub 15-pin to 5 BNC cable: SMF-400
HD D-sub 15-pin to HD D-sub 15-pin cable: SMF-401
Projection lens: VPHL-9270
100-inch flat screen: VPS-100FH*²
120-inch flat screen: VPS-120FH*²

Specifications

General

Video signal system: CCIR 625 lines, 50 fields/EIA 525 lines, 60 fields (switching of CCIR to EIA or vice versa is automatically done)

Color system: NTSC/PAL/SECAM/NTSC_{4.43} automatically selected

Brightness: ANSI*¹ 350 lm (fH: 150kHz, fV: 50Hz, 6500 K)
ANSI 130 lm (fH: 15kHz, fV: 60Hz, 6500 K)

Peak white: 1300 lm
All white: 500 lm

Color temperature: 6500K

RGB bandwidth: 135 MHz (-3dB)

Resolution: 700 TV lines (video), 1100 TV lines (HDTV)
2500 x 2000 pixels
(RGB, measured at fH: 102 kHz, fV: 50 Hz)

Scanning frequency: Horizontal: 15 to 150 kHz
Vertical: 38 to 150Hz

Test signals: Cross hair, Hatch reverse (9 x 9/17 x 17), Dot (9 x 9), Dot (17 x 17) & Hatch (5 x 5), H/H reverse, ME/ME reverse, All white, Window, Window and line colour bar, Pluge, Stair-step, Sub-pattern, Cross (9 x 9), Hatch (5 x 5), 10 IRE, 100 IRE

Power requirements: AC 120 V, 50/60 Hz

Power consumption: Max. 1050 W, Stand-by 14 W,
Power saving mode 600 W

Heat dissipation: 3563.1 BTU

Mass: Approx. 110 kg (242 lb 8 oz)

Operating temperature: 0 to 40° C (14 to 104°F)

Operating humidity: 35 to 85%

Inputs/Outputs

Video:

Composite*³: Loop-through BNC
1Vp-p, ±2 dB sync negative,
75Ω automatic termination*⁴

Y IN: BNC, 1 Vp-p ±2 dB sync negative, 75 Ω terminated

C IN: BNC, Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω

Y/C IN*³: terminated or 0.3 Vp-p ±2 dB (PAL), 75 Ω terminated

Y (luminance): Loop-through Mini DIN 4-pin
1Vp-p ±2 dB sync negative,
75 Ω automatic termination*⁴

C (chrominance): Burst 0.286Vp-p ±2 dB (NTSC) 75 Ω automatic termination*⁴, 0.3Vp-p ±2 dB (PAL) 75Ω automatic termination*⁴

Input A:

Analog RGB/ Component: BNC

R/R-Y/Pr: 0.7 Vp-p, ±2 dB positive, 75Ω terminated

G/Y: 0.7 Vp-p, ±2 dB positive, 75Ω terminated

G with Sync: 1 Vp-p, ±2 dB sync negative, 75Ω terminated

B/B-Y/Pb: 0.7 Vp-p, ±2 dB positive, 75Ω terminated

SYNC/HD: Composite sync:
0.6-8 Vp-p, high impedance positive/negative

Horizontal sync: 0.6-8 Vp-p, high impedance positive/negative

Vertical sync: 0.6-8 Vp-p, high impedance positive/negative

VD: 0.6-8 Vp-p, high impedance positive/negative

HDVS (Y/Pb/Pr): BNC

Y: 1 Vp-p ±2 dB, 75 Ω terminated

Pb/Pr: Tri-sync: ±0.3 Vp-p, bi-sync: 0.3 Vp-p, ±0.35 Vp-p ±2 dB, 75Ω

HDVS (GBR): BNC

G with sync: 1 Vp-p ±2 dB, 75Ω terminated

Tri-sync: ±0.3 Vp-p, bi-sync: 0.3 Vp-p

B/R: 0.7 Vp-p ±2 dB, 75 Ω terminated

INPUT B: Open slot for optional IFB boards

Control S /PLUG IN POWER:

IN: Stereo Mini Jack
5 Vp-p, Plug-in power DC 5 V, Max. output: 60 mA

OUT: 5 Vp-p

REMOTE:

RS-232C/RS-422A: IN: D-sub 9-pin (Female)

PJ COM (RS-485): IN: D-sub 9-pin (Female)
OUT: D-sub 9-pin (Female)

LINK:

IN: Stereo Mini Jack

OUT: Stereo Mini Jack

TRIG: Mini Jack

Power ON: DC 12V, Output impedance 4.7 kΩ

Power OFF: 0 V

*1 ANSI is a measuring method of American National Standards Institute ANSI IT7.215.

*2 Not available in some areas.

*3 The Y/C input has priority over the Video input.

*4 75Ω termination is automatically set to OFF when connection is made to the OUT connector.

2-1 Multiscan projectors

VPH-G70Q (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- Multiscan capability: horizontal 15 kHz to 110 kHz, vertical 38 Hz to 150 Hz
- Incorporates newly developed 8-inch electromagnetic focus CRTs
- Incorporates a universal optical coupling
- Remarkable light output of ANSI lumen*1 (color temperature: 6500°K): 240 lm (fH: 110 kHz, fV: 60 Hz)/ 200 lm (fH: 15 kHz, fV: 60 Hz), Peak white: 1200 lm
- High resolution of 700TV lines (video)/1100 TV lines (HDTV*2)/ 1700 × 1200 pixel (RGB in at fH: 74 kHz, fV: 60 Hz)
- Wide RGB bandwidth of 120 MHz
- New hybrid HACC lens for superb, stable picture performance
- Precise registration with the Key/Pin balance mode and 25-point zone adjustment
- Input memory and Video memory available to facilitate set up
- Independent brightness and color uniformity adjustments
- Incorporates the Picture orbiting function
- Simplified operation for multi-projection applications such as ABL link and Index operation functions
- Optional internal line-doubler board available
- Video decoder circuit for enhanced video picture quality
- Various optional accessories available for system versatility
- Desk top mounted projection, ceiling mounted projection, floor mounted projection and rear projection capabilities
- Can be used with screens from 60 to 300 inches in size with simple adjustments



| | |
|-----------------------|---|
| Supplied accessories: | Remote commander RM-PJ1000 Remote commander cable (15 m) Adjusting plate AA size (R6) battery × 3 AC power cord Operation manual Installation manual |
| Optional accessories: | Interface board IFB-12/20/21/1000*3 Signal interface cable SIC-10/20A/20C/21/22 Multi-cable*3 CCQ-BRS cable (14-14pin: 2/5/10/25/50 m) SIC-M cable (14-14pin: 1/5/15/25/50 m) Signal interface switcher PC-1271 Extension board EXB-DS10 (internal line-doubler board) Interface unit IFU-1271 Suspension support PSS-70 Suspension support PSS-10 Remote commander RM-PJM800 Infrared remote control receiver RM-PJ10 Mouse receiver RM-PJ20 Signal adaptor ADP-10 (HD D-sub 15-pin to D-sub 9-pin for SIC cable) Signal adaptor ADP-20 (Macintosh® to VGA) Monitor cable SMF-400 (HD D-sub 15-pin to 5BNC) Monitor cable SMF-401 (HD D-sub 15-pin to HD D-sub 15-pin) 9-pin remote cable RCC-5G/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422A) 100-inch flat screen: VPS-100FH*3 120-inch flat screen: VPS-120FH*3 |

Specifications

Optical

| | |
|--------------------|--|
| Projection system: | 3 picture tubes, 3 lenses, direct projection system |
| Picture tube: | 8-inch (phosphor size 6-inch) high luminance, electromagnetic focus tubes |
| Projection lens: | Double focus, F1.1/135 mm |
| Screen coverage: | 60 to 300-inch measured diagonally, factory preset to 120-inch |
| Light output: | ANSI*2: 240 lm (fH: 110 kHz, fV: 60 Hz, 6500K) 200 lm (fH: 15 kHz, fV: 60 Hz, 6500K) 1200 lm (peak white) 320 lm (all white) |
| Throwing distance: | 60-inch 1668 mm (5 ft 5 ¹ / ₃₂ inches) 70-inch 1921 mm (6 ft 3 ⁹ / ₁₆ inches) 100-inch 2689 mm (8 ft 9 ⁷ / ₁₆ inches) 120-inch 3200 mm (10 ft 5 ³ / ₃₂ inches) 150-inch 3972 mm (13 ft 3 ⁹ / ₁₆ inches) 200-inch 5254 mm (17 ft 2 ²⁷ / ₃₂ inches) 250-inch 6539 mm (21 ft 5 ⁷ / ₁₆ inches) 300-inch 7831 mm (25 ft 8 ⁷ / ₁₆ inches) |

Signals

| | |
|---------------------|---|
| Color system: | NTSC, PAL, SECAM, NTSC _{4.43} , PAL-M |
| Resolution: | 700TV lines (video) 1100TV lines (HDTV) 1700 × 1200 pixel (RGB, measured at fH: 74 kHz, fV: 60 Hz) |
| Scanning frequency: | Horizontal: 15 to 110 kHz Vertical: 38 to 150 Hz |
| RGB bandwidth: | 120 MHz-3 dB |

General

| | |
|------------------------|--|
| Power requirements: | AC 120 V, 50/60 Hz |
| Power consumption: | 750 W, Standby: 7 W |
| Heat dissipation: | 2593.4 BTU |
| 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% |
| Dimensions: | 695 (W) × 358 (H) × 948 (D) mm (27 ³ / ₈ × 14 ¹ / ₈ × 37 ⁵ / ₁₆ inches) |
| Mass: | Approx. 83 kg (183 lb) |



Inputs/Outputs

Video:

| | |
|-----------------------|---|
| Composite: | Loop-through BNC 1 Vp-p ± 2 dB sync negative, 75Ω |
| Y IN: | 1 Vp-p ± 2 dB sync negative, 75Ω |
| C IN: | Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω or 0.3 Vp-p ± 2 dB (PAL), 75Ω |
| Y/C IN: | Loop-through Mini DIN 4-pin |
| Y: | 1 Vp-p ± 2 dB sync negative, 75Ω |
| C: | Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω or 0.3 Vp-p ± 2 dB (PAL), 75Ω |
| Input A: | BNC × 5 |
| Analog RGB/Component: | |
| 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, positive/negative Horizontal sync: 0.6 to 8 Vp-p, high impedance, positive/negative |
| VD: | Vertical sync: 0.6 to 8 Vp-p, high impedance, positive/negative |
| HDTV*3 (Y/Pb/Pr): | |
| Y: | 1 Vp-p ± 2 dB, 75Ω Tri-level sync: ± 0.3 Vp-p, Bi-level sync: 0.3 Vp-p ± 0.35 Vp-p ± 2 dB, 75Ω |
| Pb/Pr: | |
| HDTV*3 (GBR): | |
| G with sync: | 1 Vp-p ± 2 dB, 75Ω Tri-level sync: ± 0.3 Vp-p, Bi-level sync: 0.3 Vp-p 0.7 Vp-p ± 2 dB, 75Ω |
| B/R: | |

Input B:

| | |
|--------------------------|---|
| Supplied with an IFB-40: | 14-pin multi connector (input: male, output: female) |
| CONTROL S | |
| PLUG IN POWER: | Stereo mini jack 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9-pin (female) |
| ABL Link | |
| IN: Mini-jack | |
| OUT: | Mini jack Mini jack Power On: DC 5 V, output impedance 4.7 kΩ Power Off: 0 V |
| TRIG: | |

Input B:

| | |
|--------------------------|---|
| Supplied with an IFB-40: | 14-pin multi connector (input: male, output: female) |
| CONTROL S | |
| PLUG IN POWER: | Stereo mini jack 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9-pin (female) |
| ABL Link | |
| IN: Mini-jack | |
| OUT: | Mini jack Mini jack Power On: DC 5 V, output impedance 4.7 kΩ Power Off: 0 V |
| TRIG: | |

Input B:

| | |
|--------------------------|---|
| Supplied with an IFB-40: | 14-pin multi connector (input: male, output: female) |
| CONTROL S | |
| PLUG IN POWER: | Stereo mini jack 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9-pin (female) |
| ABL Link | |
| IN: Mini-jack | |
| OUT: | Mini jack Mini jack Power On: DC 5 V, output impedance 4.7 kΩ Power Off: 0 V |
| TRIG: | |

Input B:

| | |
|--------------------------|---|
| Supplied with an IFB-40: | 14-pin multi connector (input: male, output: female) |
| CONTROL S | |
| PLUG IN POWER: | Stereo mini jack 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9-pin (female) |
| ABL Link | |
| IN: Mini-jack | |
| OUT: | Mini jack Mini jack Power On: DC 5 V, output impedance 4.7 kΩ Power Off: 0 V |
| TRIG: | |

Input B:

| | |
|--------------------------|---|
| Supplied with an IFB-40: | 14-pin multi connector (input: male, output: female) |
| CONTROL S | |
| PLUG IN POWER: | Stereo mini jack 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9-pin (female) |
| ABL Link | |
| IN: Mini-jack | |
| OUT: | Mini jack Mini jack Power On: DC 5 V, output impedance 4.7 kΩ Power Off: 0 V |
| TRIG: | |

*1 ANSI lumen is a measuring method of American National Standard IT 7.215.

*2 HDTV: 1125/60 interlaced HDTV studio standard system.

*3 Some items are not available in some areas. For further details, please consult your nearest Sony office.

2-1 Multiscan projectors

VPH-G70VRU (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- Designed specifically for use in Virtual Reality and Simulation applications
- Deep focussing area, high resolution lenses, and extended geometry for use with curved and dome-style screens
- Multiscan capability: horizontal 15 kHz to 110 kHz, vertical 38Hz to 150 Hz
- Accepts composite and S Video signals when an appropriate optional interface board is installed
- Incorporates newly developed 8-inch electromagnetic focus CRTs
- Incorporates a universal optical coupling
- High resolution of 700 TV lines (video)/1100 TV lines (HDTV*1)/1700 × 1200 pixels (RGB measured at fH: 74 kHz, fV: 60 Hz)
- Wide RGB bandwidth of 120 MHz
- New hybrid HACC lens for superb, stable picture performance
- Precise registration with the Key/Pin balance mode and 25-point zone adjustment
- Input memory and Video memory available for facilitated set up
- Independent brightness and color uniformity adjustments
- Incorporates the picture orbiting function
- Simplified operation for multi-projection applications such as ABL link and Index operation functions
- Optional internal line-doubler board available
- Video decoder circuit for enhanced video picture quality
- Various optional accessories available for system versatility
- Can be used with screens from 60 to 300 inches in size with simple adjustments
- Black cabinet suitable for Virtual Reality and Simulation installations

Supplied accessories: Remote commander RM-PJ1000
Remote commander cable (15 m)
Adjustment plate
AA size (R6) battery (3)
AC power cord
Operation manual
Installation manual

Optional accessories: Interface board IFB-12/20/21/40/50/1000
Signal interface cable SIC-10/20A/20B/20C/21/22
CCQ-BRS cable (14-14pin: 2/5/10/25/50 m)
SIC-M cable (14-14pin: 1/5/15/25/50 m)
Signal interface switcher PC-1271
Extension board EXB-DS10 (internal line-doubler board)
Interface unit IFU-1271
Suspension support PSS-70
Suspension support PSS-10
Remote commander RM-PJM800
Infrared remote control receiver RM-PJ10
Mouse receiver RM-PJ21
Signal adaptor ADP-10 (HD D-sub 15-pin to D-sub 9-pin)
Signal adaptor ADP-20 (Macintosh® to VGA)
Monitor cable SMF-400 (HD D-sub 15-pin to 5 BNC)
Monitor cable SMF-401 (HD D-sub 15-pin to HD D-sub 15-pin)
9-pin remote cable RCC-5G/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422A)
100-inch flat screen: VPS-100FH*2
120-inch flat screen: VPS-120FH*2

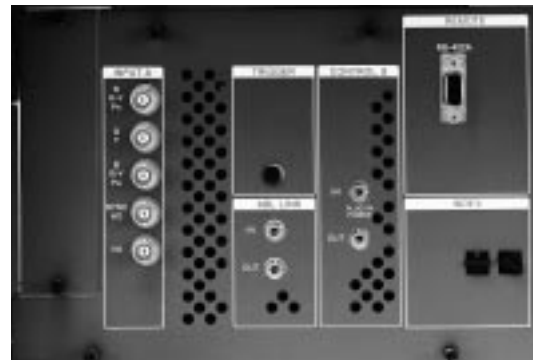
Specifications

Optical

Projection system: 3 picture tubes, 3 lenses, direct projection system
Picture tube: 8-inch (phosphor size 6-inch) high luminance, optical doubled, electromagnetic focus tubes
Projection lens: Double focus, F1.2/135 mm (color purity improved: C element of Red/Green)
Screen coverage*3: 60 to 300 inches (viewable area, measured diagonally) (factory preset to 120 inches)
Acceptable screen radius: Flat to 2500 mm radius
Acceptable throw angle: -2° to +30°
Light output: ANSI*4: 200 lm (fH: 110 kHz, fV: 60 Hz, 6500K)
ANSI*4: 170 lm (fH: 15 kHz, fV: 60 Hz, 6500K)
Peak white: 1000 lm, All white: 290 lm
Throwing distance: 60-inch 1668 mm (5 ft 5 21/32 inches)
70-inch 1921 mm (6 ft 3 9/16 inches)
100-inch 2689 mm (8 ft 9 7/8 inches)
120-inch 3200 mm (10 ft 5 31/32 inches)
150-inch 3972 mm (13 ft 3/8 inches)
200-inch 5254 mm (17 ft 2 27/32 inches)
250-inch 6539 mm (21 ft 5 7/16 inches)
300-inch 7831 mm (25 ft 8 5/16 inches)

Signals

Color system: NTSC, PAL, SECAM, NTSC_{4.43}, PAL-M (automatically selected)
Resolution: 700 TV lines (video), 1100 TV lines (HDTV)
1700 × 1200 pixels (RGB, measured at fH: 74 kHz, fV: 60 Hz)



Scanning frequency: Horizontal: 15 to 110 kHz
Vertical: 38 to 150 Hz
RGB bandwidth: 120 MHz (-3 dB)
General
Power requirements: AC 120 V, 50/60 Hz
Power consumption: 750 W, Standby: 7 W
Heat dissipation: 2559.4 BTU
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%
Dimensions: 695 (W) × 358 (H) × 948 (D) mm (27 3/8 × 14 1/8 × 37 5/16 inches)
Approx. 83 kg (183 lb)

Inputs/Outputs

Input A
Analog RGB/Component: BNC
R/R-Y: 0.7 Vp-p ±2 dB positive, 75 Ω terminated
G/Y: 0.7 Vp-p ±2 dB positive, 75 Ω terminated
G with sync: 1.0 Vp-p ±2 dB sync negative, 75 Ω terminated
B/B-Y: 0.7 Vp-p ±2 dB positive, 75 Ω terminated
Sync/HD
Composite sync: 0.6 - 8 Vp-p, high impedance, sync positive/negative
Horizontal sync: 0.6 - 8 Vp-p, high impedance, sync positive/negative
VD:
Vertical sync: 0.6 - 8 Vp-p, high impedance, sync positive/negative
HDTV*1 (Y/Pb/Pr): BNC
Y: 1.0 Vp-p ±2 dB, 75 Ω terminated
Pb/Pr: Tri-sync: ±0.3 Vp-p, bi-sync: 0.3 Vp-p ±0.35 Vp-p ±2 dB, 75 Ω
HDTV*1 (GBR): BNC
G with sync: 1.0 Vp-p ±2 dB, 75 Ω terminated
Tri-sync: ±0.3 Vp-p, Bi-level sync: 0.3Vp-p
0.7 Vp-p ±2 dB, 75 Ω terminated
Input B: Open slot for optional IFB board
CONTROL S IN/PLUG IN POWER: Stereo mini-jack 5 Vp-p, Plug in power DC 5 V, Max. output: 60mA
CONTROL S OUT: Stereo mini-jack 5Vp-p
REMOTE RS-422A: D-sub 9-pin (female)
ABL Link
IN: Mini-jack
OUT: Mini-jack
TRIG: Mini-jack
Power On: DC 12 V, output impedance 4.7 kΩ
Power Off: 0 V

Safety regulations

UL 1950, cUL 950, DHHS, DNHWS, FCC class A, IC class A

*1 HDTV: 1125/60 interlaced HDTV studio standard system.

*2 Not available in some areas.

*3 Throw angle: 15.2°, screen radius = 0 mm.

*4 ANSI is a measuring method of American National Standards Institute ANSI IT7.215.

2-1 Multiscan projectors

VPH-D50Q (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- Multiscan capability: horizontal 15 kHz to 64 kHz, vertical 38 Hz to 150 Hz
- Incorporates newly developed 7-inch static focus CRTs
- Incorporates a universal air coupling
- Remarkable light output of ANSI lumen*1 (color temperature: 6500°K): 160 lm (fH: 64 kHz, fV: 50 Hz)/130 lm (fH: 15 kHz, fV: 60 Hz), Peak white: 800 lm
- High resolution of 700TV lines (video)/1000 TV lines (HDTV*2)/1280 × 1024 pixel (RGB in at fH: 64kHz, fV: 60Hz)
- Wide RGB bandwidth of 75MHz
- Precise registration with the Key/Pin balance mode
- Input memory and Video memory available to facilitate set up
- Video decoder circuit for enhanced video picture quality
- Incorporates the Picture orbiting function
- Simplified operation for multi-projection applications such as ABL link and Index operation functions
- Optional internal line-doubler board available
- Various optional accessories available for system versatility
- Desk top mounted projection, ceiling mounted projection, floor mounted projection and rear projection capabilities
- Can be used with screens from 60 to 250 inches in size with simple adjustments



DISPLAY PRODUCTS

| | |
|-----------------------|--|
| Supplied accessories: | Remote commander RM-PJ1000 Remote commander cable (15 m) Adjusting plate AA size (R6) battery × 3 AC power cord Operation manual Installation manual |
| Optional accessories: | Interface board IFB-12/20/21/1000/1301*3 Signal interface cable SIC-10/20A/20C/21/22 Multi-cable CCQ-BRS cable (14-14pin: 2/5/10/25/50 m) SIC-M cable (14-14pin: 1/5/15/25/50 m) Signal interface switcher PC-1271 Extension board EXB-DS10 (internal line-doubler board) Interface unit IFU-1271 Suspension support PSS-70 Suspension support PSS-10 Remote commander RM-PJM800 Infrared remote control receiver RM-PJ10 Mouse receiver RM-PJ20 Signal adaptor ADP-10 (HD D-sub 15-pin to D-sub 9-pin for SIC cable) Signal adaptor ADP-20 (Macintosh® to VGA) Monitor cable SMF-400 (HD D-sub 15-pin to 5 BNC) Monitor cable SMF-401 (HD D-sub 15-pin to HD D-sub 15-pin) 9-pin remote cable RCC-5G/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422A) 100-inch flat screen: VPS-100FH*3 120-inch flat screen: VPS-120FH*3 |

Specifications

Optical

Projection system: 3 picture tubes, 3 lenses, direct projection system
Picture tube: 7-inch (phosphor size 5.5-inch) static focus CRT
Projection lens: Double focus, F1.0/135 mm
Screen coverage: 60 to 250-inch measured diagonally, factory preset to 120-inch

Light output: ANSI*1: 160 lm (fH: 64 kHz, fV: 50 Hz, 6500K)
130 lm (fH: 15 kHz, fV: 60 Hz, 6500K)
800 lm (peak white)
200 lm (all white)

Throwing distance: 60-inch 1902 mm (6ft 2⁷/₈ inches)
70-inch 2179 mm (7ft 1²⁹/₃₂ inches)
100-inch 3016 mm (9ft 10³/₄ inches)
120-inch 3571 mm (11ft 8¹⁹/₃₂ inches)
150-inch 4424 mm (14ft 6³/₁₆ inches)
200-inch 5844 mm (19ft 2³/₃₂ inches)
250-inch 7257 mm (23ft 9²³/₃₂ inches)

Signals

Color system: NTSC, PAL, SECAM, NTSC_{4.43}, PAL-M
Resolution: 700TV lines (video)
1000TV lines (HDTV)
1280 × 1024 pixels (RGB, measured at fH: 64 kHz, fV: 60 Hz)
Scanning frequency: Horizontal: 15 to 64 kHz
Vertical: 38 to 150 Hz
RGB bandwidth: 75 MHz-3 dB

General

Power requirements: AC 120 V, 50/60 Hz
Power consumption: 450 W, Standby: 7 W
Heat dissipation: 1535.7 BTU
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% |
| Dimensions: | 603(W) × 345(H) × 671(D) mm (23 ³ / ₄ × 13 ⁵ / ₈ × 26 ¹ / ₂ inches) |
| Mass: | Approx. 54 kg (119 lb 1 oz) |
| Inputs/Outputs | |
| Video: | Loop-through BNC 1 Vp-p ± 2 dB sync negative, 75Ω |
| S Video: | Y IN: BNC 1 Vp-p ± 2 dB sync negative, 75Ω |
| | C IN: BNC Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω 0.3 Vp-p ± 2 dB (PAL), 75Ω |
| | Y/C IN: Loop-through mini DIN 4-pin Y (luminance): 1 Vp-p ± 2 dB sync negative, 75Ω C (chrominance): Burst 0.286 ± 2 dB (NTSC), 75Ω 0.3 ± 2 dB (PAL), 75Ω |
| Input A: | BNC × 5 |
| | Analog RGB/Component: |
| | 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, positive/negative |
| | Horizontal sync: 0.6 to 8 Vp-p, high impedance, positive/negative |
| | VD: Vertical sync: 0.6 to 8 Vp-p, high impedance, positive/negative |
| HDTV*2 (Y/Pb/Pr): | Y: 1Vp-p ± 2 dB, 75Ω |
| | Tri-level sync: ±0.3 Vp-p, Bi-level sync: 0.3 Vp-p |
| | Pb/Pr: (0.35 Vp-p ± 2 dB, 75Ω) |
| HDTV*2 (GBR): | G with sync: 1 Vp-p ± 2 dB, 75Ω |
| | Tri-level sync: ±0.3 Vp-p, Bi-level sync: 0.3 Vp-p |
| | B/R: 0.7 Vp-p ± 2 dB, 75Ω |
| Input B: | Supplied with an IFB-40: 14-pin multi connector (input: male, output: female) |
| CONTROL S | IN PLUG IN POWER: |
| | Stereo mini jack |
| | 5 Vp-p, plug in power DC 5 V, maximum output 60 mA |
| REMOTE | OUT: Stereo mini jack, 5 Vp-p |
| | RS-422A: D-sub 9 pin (female) |
| ABL Link | IN: Stereo mini jack |
| | OUT: Stereo mini jack |
| TRIG: | Mini-jack Power On: DC 5 V, output impedance 4.7kΩ Power Off: 0 V |
| Safety regulations | UL1950, CSA950, DHHS, DNHW, FCC (Class B), IC (ClassB) |

*1 ANSI lumen is a measuring method of American National Standards Institute IT 7.215.

*2 HDTV: 1125/60 interlaced HDTV studio standard system.

*3 Some items are not available in some areas. For further details, please consult your nearest Sony office.

2-1 Multiscan projectors

VPH-D50HTM (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- Multiscan capability: horizontal 15 kHz to 64 kHz, vertical 38 Hz to 150 Hz
- Incorporates newly developed 7-inch static focus CRTs
- Incorporates a universal air coupling
- Remarkable light output of ANSI*1 lumen (color temperature: 6500°K): 160 lm (fH: 64 kHz, fV: 50 Hz)/130 lm (fH: 15 kHz, fV: 60 Hz), Peak white: 800 lm
- High resolution of 700 TV lines (video)/1000 TV lines (HDTV*2)/1280 × 1024 pixels (RGB in at fH: 64 kHz, fV: 60 Hz)
- Wide RGB bandwidth of 75 MHz
- Precise registration with the Key/Pin balance mode
- Input memory and Video memory available for facilitated set up
- Video decoder circuit for enhance video picture quality
- Incorporates the picture orbiting function
- Simplified operation for multi-projection applications such as ABL link and Index operation functions
- Internal line-doubler board included as a standard feature
- Various optional accessories available for system versatility
- Table-top projection, ceiling mounted projection, floor mounted projection and rear projection capabilities
- Can be used with screens from 60 to 250 inches in size with simple adjustments

| | |
|-----------------------|--|
| Supplied accessories: | Remote commander RM-PJ1001 Remote commander RM-PJD50 Remote commander cable (15 m) Adjustment plate AA size (R6) battery (3) Button battery CR2025 (1) AC power cord Operating manual Installation manual |
| Optional accessories: | Signal interface cable SIC-10 Interface unit IFU-1271 Suspension support PSS-70 Suspension support PSS-10 Remote commander RM-PJM800 Infrared remote control receiver RM-PJ10 Mouse receiver RM-PJ21 Monitor cable SMF-400 (HD D-sub 15-pin to 5 BNC) Remote cable RCC-5G/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422A) 100-inch flat screen: VPS-100FH*3 120-inch flat screen: VPS-120FH*3 |

Specifications

Optical

| | |
|----------------------------------|---|
| Projection system: | 3 picture tubes, 3 lenses, direct projection system |
| Picture tube: | 7-inch (phosphor size 5.5-inch) high luminance air coupled (Color corrected: Red/Green), static focus tubes |
| Projection lens: | Double focus, F1.0/135 mm |
| Screen coverage: | 60 to 250 inches measured diagonally (factory preset to 100 inches) |
| Light output: | ANSI*1: 160 lm (fH: 64 kHz, fV: 50 Hz, 6500K) ANSI*1: 130 lm (fH: 15 kHz, fV: 60 Hz, 6500K) Peak white: 800 lm All white: 200lm |
| Throw distance: (in 4:3 mode) | 60-inch 1902 mm (6 ft 2 7/8 inches) 70-inch 2179 mm (7 ft 1 25/32 inches) 100-inch 3016 mm (9 ft 10 3/4 inches) 120-inch 3571 mm (11 ft 8 19/32 inches) 150-inch 4424 mm (14 ft 6 3/16 inches) 200-inch 5844 mm (19 ft 2 3/32 inches) 250-inch 7257 mm (23 ft 9 23/32 inches) |

Signals

| | |
|---------------------|---|
| Color system: | PAL, NTSC, SECAM, NTSC _{4.43} , PAL-M |
| Resolution: | 700 TV lines (video) 1000 TV lines (HDTV) 1280 × 1024 pixels (RGB, measured at fH: 64 kHz, fV: 60 Hz) |
| Scanning frequency: | Horizontal: 15 to 64 kHz Vertical: 38 to 150 Hz |
| RGB bandwidth: | 75 MHz (-3 dB) |

General

| | |
|------------------------|---------------------------|
| Power requirements: | AC 120 V, 50/60 Hz |
| Power consumption: | 450 W, Standby: 7 W |
| Heat dissipation: | 1535.7 BTU |
| 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% |
| Dimensions: | 603 (W) × 345 (H) × 671 (D) mm (23 3/4 × 13 5/8 × 26 1/2 inches) 54 kg (119 lb 1 oz) |
| Mass: Approx. | |
| Inputs/Outputs | |
| Video | |
| Composite: | Loop-through BNC 1.0 Vp-p ±2 dB sync negative, 75 Ω automatic termination |
| Y IN: | BNC, 1.0 Vp-p ±2 dB sync negative, 75 Ω terminated |
| C IN: | BNC, Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω terminated or 0.3 Vp-p ±2 dB (PAL), 75 Ω terminated |
| Y/C IN: | Loop-through Mini DIN 4-pin |
| Y: | 1.0 Vp-p ±2 dB sync negative, 75 Ω automatic termination |
| C: | Burst 0.286 ±2 dB (NTSC), 75 Ω automatic termination or 0.3 ±2 dB (PAL), 75 Ω automatic termination |
| Input A/B | |
| Analog RGB/Component: | BNC |
| R/R-Y: | 0.7 Vp-p ±2 dB positive, 75 Ω terminated |
| G/Y: | 0.7 Vp-p ±2 dB positive, 75 Ω terminated |
| G with sync: | 1.0 Vp-p ±2 dB sync negative, 75 Ω terminated |
| B/B-Y: | 0.7 Vp-p ±2 dB positive, 75 Ω terminated |
| Sync/HD | |
| Composite sync: | 0.6 - 8 Vp-p, high impedance, sync positive/negative |
| Horizontal sync: | 0.6 - 8 Vp-p, high impedance, sync positive/negative |
| VD | |
| Vertical sync: | 0.6 - 8V p-p, high impedance, sync positive/negative |
| HDTV*2 (Y/Pb/Pr): | BNC |
| Y: | 1.0 Vp-p ±2 dB, 75 Ω terminated |
| Pb/Pr: | Tri- sync: ±0.3 Vp-p, bi-sync: 0.3 Vp-p ±0.35 Vp-p ±2 dB, 75 Ω |
| HDTV*2 (GBR): | BNC |
| G with sync: | 1.0 Vp-p ±2 dB, 75 Ω terminated Tri-sync: ±0.3 Vp-p, bi-sync: 0.3 Vp-p |
| B/R: | 0.7 Vp-p ±2 dB, 75 Ω terminated |
| Video (YC)*4 | |
| Y: | BNC, 1.0 Vp-p ±2 dB sync negative, 75 Ω terminated |
| C: | BNC, Burst 0.286 ±2 dB (NTSC), 75 Ω terminated or 0.3 ±2 dB (PAL), 75 Ω terminated |
| Video (Composite)*4 | |
| VIDEO: | 1.0 Vp-p ±2 dB sync negative, 75 Ω automatic termination |
| CONTROL S IN/ PLUG IN POWER: | Stereo mini-jack 5Vp-p, Plug in power DC 5 V, Max. output 60 mA |
| CONTROL S OUT: | Stereo mini-jack 5Vp-p |
| REMOTE | |
| RS-422A: | D-sub 9 pin (female) |
| ABL Link | |
| IN: | Mini-jack |
| OUT: | Mini-jack |
| TRIG: | Mini-jack |
| | Power On: DC 12 V, output impedance 4.7 kΩ Power Off: 0 V |
| Safety regulations | UL 1950, cUL 950, DHHS, DNHWS, FCC class B, IC class B |

*1 ANSI is a measuring method of American National Standards Institute ANSI IT7.215.

*2 HDTV: 1125/60/2:1 and 1125/59.94/2:1 (SMPTE-240M/274M) HDTV systems.

*3 Not available in some areas.

*4 Input B only.

2-1 Multiscan projectors

RVP-6010Q (NTSC/PAL/SECAM/NTSC_{4.43})

- 60-inch multiscan rear projection unit
- Multiscan capability: horizontal 15 to 93kHz, vertical 38 to 150Hz
- High contrast images with Optical Coupling CRT
- Employs a two-layer screen (Lenticular/Fresnel) for a wide vertical viewing angle
- A high resolution of 1400 × 1120 pixels (RGB input)/700TV lines (Composite video input)
- Heavy duty casters with brakes for high mobility
- Supplied wired/wireless remote commander RM-PJ1292 for full adjustments and operation of the projector
- Optional IFB series interface boards, IFU-1271 interface unit, the SIC series signal interface cables and the PC-1271 signal interface switcher for system versatility

Supplied accessories: Interface board IFB-11
Remote commander RM-PJ1292
Remote control cable (15 m)
Extension board
AC power cord

Optional accessories: Interface Board:
IFB-11/20/101/1000/1200/1301/3000*1
Signal interface switcher: PC-1271
Interface unit: IFU-1271
Signal interface cable: SIC-10/20A/20C/21/22
Multi cable: CCQ-BRS cable (14-14pin, 2/5/10/25/50 m)
SIC-M cable (14-14pin, 1/5/15/25/50 m)
Infrared remote control unit RM-1270S
(Supplied with PC-1271)
Remote control receiver RM-PJ10
Screen Protector: VPS-600P

Specifications

General

Video signal system: EIA 525 lines, 60 fields /CCIR 625 lines, 50 fields (switching of EIA to CCIR or vice versa is automatically done)

Color system: NTSC/PAL/SECAM/NTSC_{4.43}*2 (automatically selected)

Picture tube: 7-inch (6.2 inch V) high-luminance monochrome optical coupled with coolant sealed

Projection lens: High performance multi-coated HACC lens, F1.1/116 mm

Projection picture size: 60-inch: 1219 (W) × 914 (H) mm (4.0 × 3.0 ft)
Black stripe two-layer (lenticular/ fresnel)

Brightness: ANSI*4: 100 cd/m² (100 nits) (fH: 93 kHz, fV: 50 Hz)
90 cd/m² (90 nits) (fH: 15 kHz, fV: 60 Hz)
Color temperature: 6500°K
Peak white: 150 ft-L (514 cd/m²)
All white: 40 ft-L (137 cd/m²)

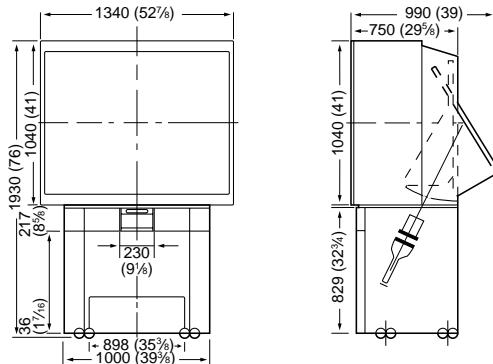
Contrast ratio: 70:1

Viewing angle: Horizontal: ± 57°
Vertical: ± 30°

Scanning frequency: Horizontal: 15 to 93 kHz
Vertical: 38 to 150 Hz

Resolution: 700TV lines (VIDEO IN)
1400 × 1120 pixels (RGB in, measured at fH: 69 kHz, fV: 60 Hz)

Dimensions



Unit: mm (inch)

MULTISCAN



Speakers: Max. 10 W+10 W, stereo
Power requirements: AC 120 V, 50/60 Hz
Power consumption: 720 W max.
Mass: 200 kg (440 lb 15 oz)

Input

Video

- Composite*4: Loop-through BNC
1.0 Vp-p, sync negative, Automatic 75Ω termination*5
- Y/C*4: 4-pin mini DIN
Y (Luminance): 1 Vp-p, sync negative, 75Ω
C (Chrominance): 0.286 Vp-p (NTSC)
0.3 Vp-p (PAL), 75Ω

Audio

- Phono: -5 dBu, impedance more than 47kΩ

INPUT A:(Supplied with IFB-11)

- R/B: BNC
0.7 Vp-p, 75Ω
- G/sync on G: BNC
0.7 Vp-p, 75Ω
(Non-composite) or 1 Vp-p, sync negative(Composite), 75Ω

Sync:

- Composite sync: BNC
- Analog level: 0.6 to 8 Vp-p, high impedance, positive/negative
- TTL level: positive/negative
- HD/VD separate: BNC
- Analog level: 0.6 to 8 Vp-p, high impedance, positive/negative
- TTL level: positive/negative

Audio:

- Phono: -5 dBu, impedance more than 47kΩ
stereo or monaural selectable

INPUT B:(Open for an optional IFB Series input module)



*1 The IFB-3000 should be installed in the PC-1271.

*2 The NTSC_{4.43} system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43 MHz.

*3 ANSI lumen is a measuring method of American National Standards Institute IT 7.215

*4 The Y/C input has priority over the Composite video input.

*5 75Ω termination is automatically set to OFF when connection is made to the OUT connector.

2-1 Multiscan projectors

RVP-4015Q (NTSC/PAL/SECAM/NTSC_{4.43})

•40-inch multiscan rear projector unit for extremely bright image projection •Multiscan capability: horizontal 15 to 85 kHz, vertical 38 to 150 Hz •Adopts Optical Coupling CRT for high contrast image display •Wide viewing angle •A high resolution of 800 × 800 pixels (RGB)/700TV lines (composite) •Registration adjustment at 21 points on the screen for accurate registration •Incorporates handles for mobility •User-friendly functions when using the projector alone or in multiples •Supplied wired/wireless remote control RM-PJ4010 for full adjustments and operation of the projector •Optional IFB series interface boards, IFU-1271 interface unit, SIC series signal interface cables and PC-1271 signal interface switcher available for system versatility

Supplied accessories: Interface board: IFB-11/1000
Remote commander: RM-PJ4010
Remote control cable: (15 m)(×2)
AC power cord

Optional accessories: Interface Board*1:
IFB-11/20/101/1000/1200/1301/3000
Signal Interface Switcher: PC-1271
Interface unit: IFU-1271
Signal interface cable: SIC-10/20A/20C/21/22
Multi cable*2: CCQ-BRS cable (14-14pin, 2/5/10/25/50 m)
SIC-M cable (14-14pin, 1/5/15/25/50 m)

Specifications

General

Video signal system: EIA 525 lines, 60 fields /CCIR 625 lines, 50 fields (switching of EIA to CCIR or vice versa is automatically done)

Color system: NTSC/PAL/SECAM/NTSC_{4.43}*3 (automatically selected)

Picture tube: 7-inch (5.5 V) high luminance monochrome optical coupled with coolant sealed

Projector lens: High performance multi-coated HACC lens, F1.0/96 mm

Projection picture size: 40-inch: 813 (W) × 610 (H) mm (2.7 × 2 ft)

Screen: 0.78 mm pitch, Black stripe, (lenticular/fresnel/non-glare (cytop))

Brightness: ANSI*4: 73 cd/m² (73 nits) (fH: 85 kHz, fV: 50 Hz)
64 cd/m² (64 nits) (fH: 15 kHz, fV: 60 Hz)
Color temperature: 6500°K
Peak white: 100 ft-L (343 cd/m²)
All white: 25 ft-L (86 cd/m²)

Viewing angle: Horizontal: ± 80°
Vertical: ± 60°

Scanning frequency: Horizontal: 15 to 85 kHz
Vertical: 38 to 150 Hz

Horizontal resolution: 700 TV lines (VIDEO IN)
800 × 800 pixels
(RGB in measured at fH: 50 kHz, fV: 60 Hz)

Speakers: Max. 5 W + 5 W, stereo

Power requirements: AC 120 V, 50/60 Hz

Power consumption: 590 W max.

Mass: 96 kg (211 lb 10 oz)

Dimensions: 931 (W) × 874 (H) × 752 (D) mm
(36³/₄ × 34¹/₂ × 29⁵/₈ inches)

Inputs

INPUT A: (Supplied with IFB-11)

R/B: BNC
0.7 Vp-p, 75 Ω

G/Sync on G: BNC
1 Vp-p sync negative, 75Ω
(Composite) or 0.7 Vp-p,
75Ω (Non-composite)



Sync: Composite sync: BNC
Analog level: 0.6 to 8 Vp-p, high impedance, positive/negative
TTL level: positive/negative
HD/VD separate: BNC
Analog level: 0.6 to 8 Vp-p, high impedance, positive/negative
TTL level: positive/negative

Audio: Phono
(stereo or monaural selectable)
-5 dBu, impedance more than 47kΩ

INPUT B: (Supplied with IFB-1000)
VIDEO*5: Loop-through BNC
1 Vp-p, sync negative, Automatic 75Ω termination*6

Y/C*5: Loop-through 4-pin mini DIN
Y (luminance): 1 Vp-p, sync negative, Automatic 75Ω termination*6
C (chrominance): 0.286 Vp-p (NTSC)
0.3 Vp-p (PAL), Automatic 75Ω termination*6

AUDIO: Phono
stereo or monaural selectable
-5 dBu, impedance more than 47kΩ

INPUT C: (Open for an optional IFB Series input module)
INPUT D: (Open for an optional IFB Series input module)
CONTROL S: Loop-through Mini jack
REMOTE 1: 14-pin (male)
REMOTE 2: D-sub 9-pin (female, RS-422 port)
REMOTE 3: Loop-through Mini jack

Outputs
MONITOR OUT: Video out: Y/C: 4-pin mini DIN
Composite video: BNC
RGB out: BNC(×5)
Audio out: Phono(×2) (VAR/FIX)

*1 The IFB-11/1000 are supplied: IFB-3000 occupies four slots.

*2 These cables are not available in some areas. For details, please consult your nearest Sony office.

*3 The NTSC_{4.43} system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43 MHz.

*4 ANSI lumen is a measuring method of American National Standards Institute IT 7.215.

*5 The Y/C input has priority over the VIDEO input.

*6 75Ω termination is automatically set to OFF when connection is made to the OUT connector.

2-2 Video projectors

VPH-V20U (NTSC/PAL/SECAM/NTSC^{4,43})

•Remarkable light output of 700 lm(peak white) •Accepts Component (Y/R-Y/B-Y or RGB), Y/C and Composite Video signals •A high resolution of 700 TV lines (composite video)/1000 TV lines(RGB) •Supplied remote control unit RM-PJV20 controls all projector functions •Desk top mounted projection, ceiling mounted projection, floor mounted projection and rear projection capabilities •Can be used with a screen from 70 to 250 inches in size with simple adjustment

- Supplied accessories: Remote commander RM-PJV20
AA size batteries (2)
AC power cord
Spacer for 508 cm (200-inch) front projection
Spacer (0.2 mm) for 254 cm (70 to 100-inch) rear projection
Spacer (0.8 mm) for 254 cm (70 to 100-inch) rear projection
Operating manual
Installation manual
- Optional accessories: Signal interface cable: SIC-10
Interface unit: IFU-1271
Suspension support: PSS-722/10
Remote control receiver: RM-PJ10
100-inch flat screen: VPS-100FH*2
120-inch flat screen: VPS-120FH*2
70-inch rear screen: VPS-702R



Specifications

Optical

- Projection system: 3 picture tubes, 3 lenses, direct projection system
CRT: 7-inch (Phosphor size: 5.5-inch) liquied cooled high brightness monochrome tubes
Projection lens: High performance hybrid multi-coated lens F1.0/130 mm
Screen: 70-inch (177.8 cm) to 250-inch (635 cm) measured diagonally (Factory preset: 100-inch (254 cm))
Light output: ANSI*3 100 lm (15 kHz: 60Hz, 6500 K)
Peak white: 700 lm, All white: 140 lm
Throwing distance: 100-inch (254 cm):3301 mm (Approx. 11 ft)
200-inch (508 cm):6417 mm (Approx. 21 ft)

Signals

- Colour system: NTSC, PAL, SECAM, NTSC^{4,43}*1 automatically selected
Resolution: 700 TV lines (Composite video input)
1000 TV lines (RGB input)
Test signals: Cross hair

General

- Power requirements: 220 V AC to 240 V AC, 50/60 Hz
Power consumption: 210 W
Operating temperature: 0 to 40 °C (14 to 104 °F)
Operating humidity: 35 to 85 %
Storage temperature: -20 to 60 °C (-4 to 140 °F)
Storage humidity: 10 to 90 %
Dimensions: 532 (W) × 288 (H) × 597 (D) mm
Mass: Approx. 30 kg (66 lb 2 oz)
Heat dispersion: 716.6 BTU

Inputs/Outputs

- VIDEO IN:
Video*4: BNC 1.0 Vp-p ±2 dB, sync negative, 75 Ω
S video*4: Mini DIN 4-pin
Y (luminance): 1.0 Vp-p ±2 dB, sync negative, 75 Ω
C (chrominance): Burst 0.286 Vp-p ±2 dB (NTSC), 75Ω or 0.3 Vp-p ±2 dB (PAL), 75 Ω
- VIDEO OUT:
Video: BNC 1.0 Vp-p ±2 dB, 75 Ω
- INPUT A:
Analogue RGB/Component:
BNC
R/R-Y: 0.7 Vp-p ±2 dB, positive, 75 Ω
G: 0.7 Vp-p ±2 dB, positive, 75 Ω
G with Sync/Y: 1.0 Vp-p ±2 dB, sync negative, 75 Ω
B/B-Y: 0.7 Vp-p ±2 dB, positive, 75 Ω
SYNC/HD:
Composite sync: 0.6-8.0 Vp-p, high impedance negative
Horizontal sync: 0.6-8.0 Vp-p, high impedance negative
VD:
Vertical sync: 0.6-8.0 Vp-p, high impedance negative
Control S: Loop-through Stereo Mini Jack
- Safety Regulations:**
EN60 065 (TÜV), CE, C-Tick, PTB

*1 The NTSC^{4,43} system refers to an NTSC colour system in which the subcarrier frequency is modified to 4.43MHz.

*2 Not available in some areas.

*3 ANSI is a measuring method of American National Standards Institute ANSI IT7.215.

*4 S VIDEO input has priority over Composite video input.

2-3 LCD projectors

VPL-X2000U (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

LCD Data Projector

- LCD (Liquid Crystal Display)- based data projector
- Three LCD panels for a total of 2,359,296 pixels (786,432 pixels x 3 panels)
- Four 120 W UHP lamps •Outstanding light output of 2400 ANSI*1 lumens
- Excellent uniformity assured with 3D Digital gamma correction
- Exclusive Sony DRC (Digital Reality Creation) generates video pictures with effectively four times the resolution of that from a conventional video signal
- Multiscan capability with a built-in scan converter: fH: 15 to 94 kHz, fV:50 to 120 Hz
- Power zoom, power focus and picture shift functions for installation flexibility
- New graphical on-screen menus with a choice of seven languages for adjustment/operation
- Supplied remote commander RM-PJ1001 controls all the projector functions
- Six optional lenses available
- Can be used with screens from 40 to 500 inches in size
- Power saving mode available

Supplied accessories: Remote commander RM-PJ1001
Remote commander cable (15 m)
AA size battery (3)
AC power cord
PJ COM terminator
Lens ring
Operation manual
Installation manual

Optional accessories: Projector quadruple lamp (for replacement) LMP-Q2000
Projector individual lamp LMP-S2000
1.3 times zoom standard focus lens VPLL-Z2019
1.6 times zoom long focus lens VPLL-Z2025
1.5 times zoom long focus lens VPLL-Z2039
Fixed long focus lens VPLL-2075
Fixed short focus lens VPLL-2014
Fixed short focus lens VPLL-2009
Stack stand (for twin and triple stacking) SU-PJ2000
Suspension support PSS-2000
Suspension support PSS-10
Signal adaptor HD D-sub 15-pin to D-sub 9-pin (for SIC Cable) ADP-10
Signal adaptor Macintosh® to VGA ADP-20
D-sub HD 15-pin to 5 BNC cable SMF-400
D-sub HD 15-pin to D-sub HD 15-pin SMF-401
Interface board IFB-12A/21/30/50/1000/X2000E
Signal interface cable SIC-20A/20C/22
Signal interface switcher PC-3000
9-pin remote cable RCC-5G/10G/30G (for RS-422A)
Remote commander RM-PJ3000S*2
Remote control receiver RM-PJ10
100-inch flat screen VPS-100FH*3



VPL-X2000U

DISPLAY
PRODUCTS

Specifications

Optical

Projection system: 3 LCD panels, 1 lens projection
LCD panel: 1.8-inch TFT LCD panel, 2,359,296 pixels (786,432 pixels x3)
Lamp: 120 W UHP lamp (4)
Light output: ANSI*1 2400 lm (typical)
Projection picture size: 40-inch to 500-inch
Optional projection lenses:

| | Throwing distance (unit: mm) | | |
|---------------------------------------|------------------------------|----------------|-----------------|
| | 40-inch | 100-inch | 300-inch |
| VPLL-Z2019 (1.3 times zoom lens) | 1,490 - 1,890 | 3,870 - 4,880 | 11,820 - 14,840 |
| VPLL-Z2025 (1.6 times zoom lens) | N.A. | 5,020 - 7,750 | 15,430 - 23,580 |
| VPLL-Z2039 (1.5 times zoom lens) | N.A. | 7,990 - 11,480 | 24,300 - 34,760 |
| VPLL-2075 (fixed long focus lens) | N.A. | 15,000 | 44,660 |
| VPLL-2014 (fixed short focus lens) | 1,030 | 2,760 | 8,520 |
| VPLL-2009 (fixed short focus lens) | 640 | 1,800 | 5,670 |

General

Color system: PAL/NTSC/SECAM/NTSC_{4.43}/PAL-M (automatically selected)
Resolution: Video: 600 TV lines
RGB: 1024 x 768 pixels
Scanning frequency: fH: 15 kHz - 94 kHz
fV: 50 Hz - 120 Hz
Display area: >6.4 μsec
5 W stereo
Speaker: AC 100 to 240 V, 50/60 Hz
Power requirements: Max: 770 W (approx.), Standby: 15 W
Heat dissipation: 2628 BTU
Dimensions: 562 (W) x 237 (H) x 649 (D) mm (22 1/4 x 9 3/8 x 25 5/8 inches)
Mass: Approx. 34.5 kg (75 lb 14 oz)
Operating temperature: 0 to 40°C (32 to 104°F)
Operating humidity: 35 to 85% (no condensation)
Storage temperature: -20 to 60°C (-4 to 140°F)
Storage humidity: 10 to 90%

Input/Output

VIDEO IN
Composite video: Loop-through BNC 1.0 Vp-p ± 2 dB sync negative, 75 Ω
S VIDEO IN
Y IN: BNC 1.0 Vp-p ± 2 dB sync negative, 75 Ω
C IN: BNC Burst 0.286 Vp-p ± 2 dB (NTSC), 75 Ω or 0.3 Vp-p ± 2 dB (PAL), 75 Ω
Y/C IN: Loop-through Mini DIN 4-pin
Y(luminance): 1.0 Vp-p ± 2 dB sync negative, 75 Ω

C(chrominance): Burst ± 2 dB (NTSC), 75 Ω or 0.286 Vp-p
0.3 Vp-p ± 2 dB (PAL), 75 Ω

AUDIO IN:
INPUT A
Analog RGB/Component: BNC x 5
R/R-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω
G: 0.7 Vp-p ± 2 dB positive, 75 Ω
G with sync/Y: 1.0 Vp-p ± 2 dB sync negative, 75 Ω
B/B-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω
SYNCH/D
Composite sync: 0.6 - 8 Vp-p high impedance, sync positive/negative
Horizontal sync: 0.6 - 8 Vp-p high impedance, sync positive/negative
VD
Vertical sync: 0.6 - 8 Vp-p high impedance, sync positive/negative
HDTV** (Y/Pb/Pr): BNC
Y: 1.0 Vp-p ± 2 dB positive, 75 Ω
Tri-level sync: ±0.3 Vp-p
Bi-level sync: 0.3 Vp-p
±0.35 Vp-p ± 2 dB positive, 75 Ω
BNC
HDTV** (GBR):
G with sync: 1.0 Vp-p ± 2 dB, 75 Ω,
Tri-level sync: ±0.3 Vp-p
Bi-level sync: 0.3 Vp-p
0.7 Vp-p ± 2 dB positive, 75 Ω
Phono, stereo, 500 mV rms, impedance more than 47 kΩ

AUDIO OUT:
Phono, Max. 1 V rms when input is 500 mV rms, impedance more than 1 kΩ

INPUT B/C:
CONTROL S IN/
PLUG IN POWER:
CONTROL S OUT:
Stereo mini jack 5 Vp-p,
Plug in power DC 5 V maximum output 60 mA
Stereo mini jack 5 Vp-p

REMOTE
RS-232C/RS-422A*5:
PJ COM*6:
D-sub 9-pin (female)
D-sub 9-pin (2) (female)
Trig: Mini jack
Power ON: 12 V, output impedance 4.7 kΩ
Power OFF: 0 V

Safety regulations UL 1950, cUL 950, DHHS, DNHW, FCC class A, IC class A

*1 ANSI is a measuring method of the American National Standards Institute ANSI IT7.228.
*2 Laser Type: Class II
Wavelength: 645 nm
Output: 1 mW
*3 Not available in some areas.
*4 The VPL-X2000U supports 1125/60/2:1 and 1125/59.94/2:1(SMPTE-240M/274M) HDTV systems.
*5 RS-232C/RS-422A selectable.
*6 PJ COM complies with RS-485.

2-3 LCD projectors

VPL-X1000U (NTSC/PAL/SECAM/NTSC_{4.43})

LCD Data Projector

- LCD-based portable presentation projector
- Three dual actuated 1.3-inch p-Si TFT LCD panels for true XGA resolution (2,359,296 pixels)
- Output of 1000 ANSI lumens*¹ achieved through the use of metal mask and micro lens array technology on the LCD panels, high brightness projection lenses and a 120 W UHP lamp
- Excellent uniformity and accurate color reproduction with advanced technologies including fly eye light integrators and bilinear interpolation method of Advanced Scan Conversion (ASC)
- Handles VGA, SVGA, XGA and SXGA resolution*² with horizontal frequencies of 15 to 91 kHz as well composite video, Y/C video and component video signals
- Simple setup using 38 preset data and unique APA (Auto Pixel Alignment) function
- Input B or Monitor out function easily switchable
- Slim, contoured magnesium diecast body
- Seven-language on-screen display: English, French, German, Italian, Spanish, Japanese or Chinese
- Grip-contoured remote control unit RM-PJM600 with laser pointer and mouse control function
- Desktop or ceiling mounted, front or rear projection
- Optional lenses available to project optimum images on screens from 40 to 300 inches in size
- Built-in three-speaker stereo



Supplied Accessories:

- Remote Commander RM-PJ600
- Video Signal Cable (2 m)
- SMF-401: HD D-sub 15-pin to HD D-sub 15-pin Macintosh adaptor
- Mouse Cables (2 m)
 - SIC-S20: for Macintosh computer
 - SIC-S21: for Serial
 - SIC-S22: for PS/2 computer
- Audio Visual Cable (1.5 m)
- AA size battery (2)
- Strap for remote commander
- AC power cord
- Air filter
- Lens cap
- Front cover
- Operating manual/Installation manual
- Quick reference sheet
- Warranty card

Optional Accessories:

- Projector lamp LMP-600(for replacement)
- Suspension support PSS-600
- Infrared remote control RM-PJ10
- Carrying case VLC-600*⁴
- Mouse Cable (2 m)
 - SIC-S20: for Macintosh computer
 - SIC-S21: for Serial
 - SIC-S22: for PS/2 computer
- Signal adaptor
 - ADP-20: Macintosh to HD S-sub 15-pin
- Projection Lens
 - VPLL-ZM100 (2 times zoom long focal lens)
 - VPLL-FM20 (Fixed short focus lens)
 - VPLL-FM30 (Fixed short focus lens)
- Screen
 - VPS-50C: 50-inch portable screen*⁴
 - VPS-80C: 80-inch portable screen*⁴
 - VPS-100FH: 100-inch flat screen*⁴
 - VPS-120FH: 120-inch flat screen*⁴

Specifications

Optical

Projection system: 3 LCD panels, 1 lens projection system

LCD panel: 1.3-inch p-Si TFT LCD panel with micro lens array and metal mask, 2,359,296 pixels (786,432 pixels × 3)

Projection lens: 1.3 times zoom lens, F 2.0 to 2.4, f 54 to 70 mm

Lamp: 120 W UHP

Screen coverage*³: 40 to 300 inches

Light output: ANSI Lumen*¹ 1000 lm

Throwing distance:

- 40-inch: 1560 to 1980 mm (61½ to 78 inches)
- 60-inch: 2380 to 3020 mm (93¾ to 118½ inches)
- 80-inch: 3210 to 4050 mm (126½ to 159½ inches)
- 100-inch: 4040 to 5090 mm (159¼ to 200½ inches)
- 120-inch: 4860 to 6120 mm (191¾ to 241 inches)
- 200-inch: 8170 to 10270 mm (321¼ to 404½ inches)
- 300-inch: 12300 to 15450 mm (484¾ to 608¾ inches)

*1 ANSI lumen is a measurement method of the American National Standards Institute IT 7.228.

*2 Compressed SXGA signal is reproduced.

*3 Viewable area, measured diagonally.

*4 Not available in some areas.

General

Resolution: Video: 750 TV lines, RGB: 1024 × 768 pixels

Acceptable signal: RGB (fH: 15-91, kHz, fV: 43-85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video

Color system: NTSC, PAL, SECAM, NTSC_{4.43}, PAL-M automatically/manually selected

Speaker: Wide frequency range 3 speaker system
 Woofer: 57 mm (2 1/4") diameter, max. 1 W
 Tweeter: 28 mm (1 1/8") diameter, max. 0.2 W × 2

Power requirements: AC 100 to 120 V/220 to 240 V, 50/60 Hz
 UL listed for 120 V AC operation

Power consumption: Max. 220 W, Stand by: 2 W

Heat dissipation: 750.7 BTU

Dimension: 333 (W) × 120 (H) × 291 (D) mm
 (13¼ × 4¾ × 11½ inches)
 — excluding lens, adjusters and protruding parts
 339 (W) × 136 (H) × 332 (D) mm
 (13¾ × 5¾ × 12¾ inches),

Mass: 5.9 kg (13 lb)

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

Operating humidity: 35 to 85 %

Input/Output

VIDEO IN:

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

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), 75Ω, or 0.3 Vp-p ± 2 dB (PAL), 75Ω

Audio IN:

Phono type (2) stereo, 500 mV rms, impedance more than 47 kΩ

INPUT A/B:

Analog RGB/Component:

HD D-sub 15-pin (Female):

R/R-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω

G: 0.7 Vp-p ± 2 dB positive, 75 Ω

G with sync/Y: 1 Vp-p ± 2 dB sync negative, 75 Ω

B/B-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω

SYNC:

C sync/HD:

Composite sync: 1 to 5 Vp-p high impedance, sync positive/negative

Horizontal sync: 1 to 5 Vp-p high impedance, sync positive/negative

VD: Vertical sync: 1 to 5 Vp-p high impedance, sync positive/negative

Mouse IN:

Audio IN:

Square 13-pin (Female)

Stereo mini jack, 500mV rms, impedance more than 47kΩ

INPUT B:

Monitor out: HD D-sub 15-pin (Female):

Video signal: Gain unity

Sync signal: 4 Vp-p high impedance
 1 Vp-p, 75 Ω

AUDIO OUT:

(Variable out) Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ

Regulation Compliance:

UL1950, cUL1950, FCC Class A, IC Class A, DHHS

Laser beam:

Laser type: Class II
 Wavelength: 645 nm
 Output: 1 mW

2-3 LCD projectors

VPL-X600U MkII (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- LCD (Liquid Crystal Display)-based portable presentation projector
- Three TFT LCD panels for a total of 2,359,296 pixels (786,432 pixels × 3)
- 120 W UHP lamp incorporated
- A remarkably high output of 600 ANSI lumen*¹
- Excellent uniformity and accurate color reproduction assured with advanced technologies including bilinear interpolation
- Handles VGA, SVGA, XGA, SXGA*² with a horizontal frequency of 15, 24 to 80 kHz, composite video, Y/C video and component video signals
- Unique APA (Auto Pixel Alignment) function
- Lightweight, compact magnesium diecast body
- Seven language on-screen display
- Grip-contoured remote commander RM-PJM600 with laser pointer and mouse control function.
- Desk top or ceiling mounted projection capabilities
- Can be used with screens from 40 to 300 inches in size
- Built-in three-speaker stereo

Supplied Accessories:

- Remote Commander RM-PJM600
- Video Signal Cable
 - SMF-401 (2 m) × 1: HD D-sub 15-pin to HD D-sub 15-pin Cable
- Macintosh Adaptor × 1
- Mouse Cables (2 m)
 - SIC-S20/S21/S22: for connection to Mac, Serial, PS/2
- Audio Visual Cable (1.5 m)
- AA size battery (× 2)
- Front Cover
- Lens Cap
- Strap for Remote Commander
- Air Filter
- AC power Cord
- Operating manual
- Quick Reference Card
- Installation Manual for Dealers
- Warranty Card

Optional Accessories:

- Projector Lamp (for replacement) LMP-600
- Suspension Support PSS-600
- Carrying Case VLC-600*³
- Remote Control Receiver RM-PJ10
- Video Signal Cable
 - SMF-400: D-sub HD 15-pin to 5 BNC Cable
 - SMF-401: D-sub HD 15-pin to D-sub HD 15-pin Cable
- Signal Cable
 - SMF-402: D-sub HD 15-pin to Phono × 3 Cable
- Mouse Cable
 - SIC-S20: for Mac
 - SIC-S21: for Serial
 - SIC-S22: for PS/2
- Projection Lens
 - VPLL-ZM100 (long focal, 2 times zoom lens)
 - VPLL-FM30 (short focal, fixed lens)
 - VPLL-FM20 (short focal, fixed lens)
- Screen
 - VPS-100FH: 100-inch Flat Screen*³
 - VPS-120FH: 120-inch Flat Screen*³
 - VPS-80C: 80-inch Portable Screen*³

Specifications

Optical

Projection system: 3 LCD panels, 1 lens, projection system
 LCD panel: 1.3-inch TFT LCD panel, 2,359,296 pixels (786,432 pixels × 3)
 Projection lens: 1.3 times zoom lens, 13 element all glass, Multi-coated F 2.5 to 3.0/f = 50 to 65 mm
 Lamp: 120 W UHP
 Screen coverage: 40 to 300 inches
 Light output: ANSI 600 lm
 Throwing distance:
 40-inch: 1490 to 1890 mm (58³/₄ to 74¹/₂ inches)
 80-inch: 3060 to 3860 mm (120¹/₂ to 152 inches)
 100-inch: 3850 to 4840 mm (151⁵/₈ to 190⁵/₈ inches)
 200-inch: 7780 to 9770 mm (306³/₈ to 384³/₄ inches)
 300-inch: 11710 to 14700 mm (461¹/₈ to 578³/₄ inches)

General

Color system: NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M automatically/manually selected
 Resolution: Video: 750 TV lines, RGB: 1024 × 768 pixels
 Acceptable signal: fh: 15, 24 to 81 kHz, fv: 43 to 85 Hz
 Heat dissipation: 750.7 BTU
 Speaker: Wide frequency range 3 speaker system
 Woofer: 57 mm (2 1/4") diameter, max. 1 W

*1 ANSI lumen is a measurement method of the American National Standards Institute IT 7.228.

*2 Compressed SXGA signal is reproduced.

*3 Not available in some areas.



Tweeter: 28 mm (1 1/8") diameter, max. 0.25 W × 2 (stereo)
 AC 100 to 120 V/220 to 240 V, 50/60 Hz
 Power requirements: Max. 220 W, Stand by: 2 W
 Power consumption: 333 (W) × 120 (H) × 291 (D) mm (13¹/₈ × 4³/₄ × 11¹/₂ inches)
 Dimension: — without lens, foot, or protuberance 339 (W) × 136 (H) × 332 (D) mm (13³/₈ × 5³/₈ × 12³/₄ inches), Approx. 5.8 kg (12 lb 13 oz)
 Mass: 35 to 85 %
 Operating temperature: 0° to 40°C (32° to 104°F)
 Operating humidity: 35 to 85 %
Input/Output
 VIDEO IN: Composite video: Phono type 1 Vp-p ± 2 dB sync negative, 75 Ω
 S VIDEO: Mini-DIN 4-pin
 Y(luminance): 1 Vp-p ± 2 dB sync negative, 75 Ω
 C(chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC), 75 Ω, 0.3 Vp-p ± 2 dB (PAL), 75 Ω
 Audio IN: Phono type (× 2) stereo, 500 mV rms, impedance more than 47 kΩ
 INPUT A/INPUT B: HD D-sub 15 pin (Female):
 Analog RGB/Component:
 R/R-Y: 0.7 Vp-p ± 2 dB, 75 Ω
 G/Y: 0.7 Vp-p ± 2 dB, 75 Ω
 G with sync: 1 Vp-p ± 2 dB sync negative, 75 Ω
 B/B-Y: 0.7 Vp-p ± 2 dB, 75 Ω
 SYNC:
 C sync/HD:
 Composite sync: 1-5 Vp-p high impedance, positive/negative
 Horizontal sync: 1-5 Vp-p high impedance, positive/negative
 VD:
 Vertical sync: 1-5 Vp-p high impedance, positive/negative
 Mouse IN: Square 13-pin (Female)
 Audio IN: Stereo mini jack, 500mV rms, impedance more than 47kΩ
 AUDIO OUT (Variable out): Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ
 CONTROL S IN/PLUG IN POWER: Stereo mini jack, 5 Vp-p, Plug in power DC 5 V maximum output 60mA
 Regulation Compliance: UL1950, cUL1950, FCC Class A, IC Class A, DHHS
 Laser beam: Laser type: Class II
 Wavelength: 670 nm
 Output: 1 mW

2-3 LCD projectors

VPL-XC50U (NTSC/PAL/SECAM/NTSC^{4.43}/PAL-M)

LCD Data Projector

- LCD (Liquid Crystal Display)-based video projector
- Three LCD panels for a total of 2,359,296 pixels (786,432 pixels × 3 panels)
- 120 W UHP lamp
- High light output of 600 ANSI^{*1} lumens
- Excellent uniformity and accurate color reproduction assured with advanced technologies
- Built-in zoom lens
- Accepts SVGA, XGA and SXGA^{*2} with a horizontal frequency of 15 to 91 kHz
- Extremely light-weight at just 3.7 kg - a truly portable projector
- On-screen menus with a choice of seven languages for adjustment/operation
- Supplied remote commander RM-PJM600 controls all the projector functions
- Mouse function operation for remote control of the connected computer source
- Can be used with screens from 40 to 150 inches in size
- Built-in stereo speakers

Supplied accessories:

- Remote commander RM-PJM600
- HD D-sub 15-pin to HD D-sub 15-pin cable
- Macintosh[®] adaptor
- Mouse cable (2 m)
- Audio-visual cable (1.5 m)
- AA batteries (2)
- Strap for remote commander
- AC power cord
- Air filter
- Operating manual
- Quick reference sheet

Optional accessories:

- Projector lamp (for replacement) LMP-600
- Carrying case VLC-SC50
- Interface selector IFU-SC50
- HD D-sub 15-pin to 5 BNC cable SMF-400
- HD D-sub 15-pin to HD D-sub 15-pin cable SMF-401
- HD D-sub 15-pin to RCA PIN x 3 cable SMF-402
- Mouse cable SIC-S20 (Mac) /S21 (Serial) /S22 (PS/2)
- Signal adaptor ADP-10
- 80-inch portable screen VPS-80C^{*3}
- 50-inch portable screen VPS-50C^{*3}

Specifications

Optical

Projection system: 3 LCD panels, 1 lens projection system
 Picture tube: 0.9-inch TFT LCD panel,
 2,359,296 pixels (786,432 pixels × 3)
 Projection lens: 1.2 times zoom lens, F2.0 to 2.3/f=36.0 to 43.5 mm
 Lamp: 120 W UHP
 Screen coverage: 40 to 150 inches (measured diagonally)
 Light output: 600 ANSI lumens^{*1}

General

Color system: NTSC, PAL, SECAM, NTSC^{4.43}, PAL-M (automatically/manually selected)
 Resolution: 750 TV lines (video); 1024 × 768 pixels (RGB)
 Scanning frequency: RGB: fH 15-91 kHz; fV: 50-85 Hz; 15 K component
 50/60 Hz system, composite video, Y/C video
 Speaker: Max. 0.5 W × 2 (stereo)
 Power requirements: AC 100 to 120 V, 220 to 240 V, 50/60 Hz
 Power consumption: 190 W (max), 5 W (standby)
 Heat dissipation: 648.37 BTU
 Dimensions: 107 (W) × 218 (H) × 314 (D) mm
 (4 1/4 × 8 1/4 × 12 3/8 inches)
 Mass: 3.7 kg (8 lb 2 oz)
 Operating temperature: 0 to 40°C (32 to 104°F)
 Operating humidity: 35 to 85%

Input/Output

VIDEO IN:
 Composite: Phono type, 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), 75Ω;
 0.3 Vp-p ± 2 dB (PAL), 75Ω
 INPUT A:
 Analog RGB/Component
 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 positive, 75Ω
 B/B-Y: 0.7 Vp-p ± 2 dB positive, 75Ω



SYNC
 C sync/HD
 Composite sync: 1-5 Vp-p high impedance, sync positive/negative
 Horizontal sync: 1-5 Vp-p high impedance, sync positive/negative
 VD
 Vertical sync: 1-5 Vp-p, high impedance, sync positive/negative
 Mouse IN: Square 13 pin (female)
 Audio IN: Stereo mini jack, 500 mV rms, impedance more than 47 kΩ
 AUDIO OUT: Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ

Laser beam

Laser type: Class II
 Wavelength: 645 nm
 Output: 1 mW

Safety Regulations: UL 1950, cUL 1950, FCC Class A, IC Class A, DHHS

^{*1} ANSI is a measuring method of the American National Standards Institute IT7.228.

^{*2} Compressed SXGA signal is reproduced while preserving the detail of the image.

^{*3} Not available in some areas.

2-3 LCD projectors

VPL-S900U (NTSC/PAL/SECAM/NTSC_{4.43})

LCD Data Projector

- LCD-based portable presentation projector
- Three dual actuated 1.3-inch p-Si TFT LCD panels for true XGA resolution (1,440,000 pixels)
- Output of 1000 ANSI lumens*1 achieved through the use of metal mask technology on the LCD panels, high brightness projection lenses and a 120 W UHP lamp
- Excellent uniformity and accurate color reproduction with advanced technologies including fly eye light integrators and bilinear interpolation method of Advanced Scan Conversion (ASC)
- Handles VGA, SVGA, XGA and SXGA resolution*2 with horizontal frequencies of 15 to 91 kHz as well composite video, Y/C video and component video signals
- Simple setup using 38 preset data and unique APA (Auto Pixel Alignment) function
- Input B or Monitor out function easily switchable
- Slim, contoured magnesium diecast body
- Seven-language on-screen display: English, French, German, Italian, Spanish, Japanese or Chinese
- Grip-contoured remote control unit RM-PJM600 with laser pointer and mouse control function
- Desktop or ceiling mounted, front or rear projection
- Optional lenses available to project optimum images on screens from 40 to 300 inches in size
- Built-in three-speaker stereo



| | |
|-----------------------|--|
| Supplied Accessories: | Remote Commander RM-PJ600 Video Signal Cable (2 m) SMF-401: HD D-sub 15-pin to HD D-sub 15-pin Macintosh adaptor Mouse Cables (2 m) SIC-S20: for Macintosh computer SIC-S21: for Serial SIC-S22: for PS/2 computer Audio Visual Cable (1.5 m) AA size battery (2) Strap for remote commander AC power cord Air filter Lens cap Front cover Operating manual/Installation manual Quick reference sheet Warranty card |
| Optional Accessories: | Projector lamp LMP-600(for replacement) Suspension support PSS-600 Infrared remote control RM-PJ10 Carrying case VLC-600*4 Mouse Cable (2 m) SIC-S20: for Macintosh computer SIC-S21: for Serial SIC-S22: for PS/2 computer Signal adaptor ADP-20: Macintosh to HD S-sub 15-pin Projection Lens VPLL-ZM100 (2 times zoom long focal lens) VPLL-FM20 (Fixed short focus lens) VPLL-FM30 (Fixed short focus lens) Screen VPS-50C: 50-inch portable screen*4 VPS-80C: 80-inch portable screen*4 VPS-100FH: 100-inch flat screen*4 VPS-120FH: 120-inch flat screen*4 |

Specifications

Optical

| | |
|--------------------|--|
| Projection system: | 3 LCD panels, 1 lens projection system |
| LCD panel: | 1.3-inch p-Si TFT LCD panel with metal mask, 2,359,296 pixels (480,000 pixels × 3) |
| Projection lens: | 1.3 times zoom lens, F 2.0 to 2.4, f 54 to 70 mm |
| Lamp: | 120 W UHP |
| Screen coverage*3: | 40 to 300 inches |
| Light output: | ANSI lumen*1 1000 lm |
| Throwing distance: | 40-inch: 1570 to 2000 mm (61 ⁷ / ₈ to 78 ³ / ₄ inches) 60-inch: 2400 to 3040 mm (94 ¹ / ₂ to 119 ³ / ₄ inches) 80-inch: 3240 to 4090 mm (127 ⁵ / ₈ to 161 ¹ / ₈ inches) 100-inch: 4070 to 5130 mm (160 ³ / ₈ to 202 inches) 120-inch: 4900 to 6180 mm (193 to 243 ³ / ₈ inches) 200-inch: 8240 to 10360 mm (324 ¹ / ₂ to 408 inches) 300-inch: 12410 to 15580 mm (488 ³ / ₄ to 613 ¹ / ₂ inches) |

*1 ANSI lumen is a measurement method of the American National Standards Institute IT 7.228.

*2 Compressed SXGA signal is reproduced.

*3 Viewable area, measured diagonally.

*4 Not available in some areas.

General

| | |
|------------------------|---|
| Resolution: | Video: 600 TV lines, RGB: 800 × 600 pixels |
| Acceptable signal: | RGB (fH: 15-91, kHz, fV: 43-85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video |
| Color system: | NTSC, PAL, SECAM, NTSC _{4.43} , PAL-M automatically/manually selected |
| Speaker: | Wide frequency range 3 speaker system Woofer: 57 mm (2 1/4") diameter, max. 1 W Tweeter: 28 mm (1 1/8") diameter, max. 0.2 W × 2 |
| Power requirements: | AC 100 to 120 V/220 to 240 V, 50/60 Hz UL listed for 120 V AC operation Max. 220 W, Stand by: 2 W |
| Power consumption: | 750.7 BTU |
| Heat dissipation: | |
| Dimension: | 333 (W) × 120 (H) × 291 (D) mm (13 ¹ / ₈ × 4 ³ / ₄ × 11 ¹ / ₂ inches) – excluding lens, adjusters and protruding parts 339 (W) × 136 (H) × 332 (D) mm (13 ³ / ₈ × 5 ³ / ₈ × 12 ³ / ₄ inches), 5.9 kg (13 lb) |
| Mass: | |
| Operating temperature: | 0° to 40°C (32° to 104°F) |
| Operating humidity: | 35 to 85 % |
| Input/Output | |
| VIDEO IN: | Composite video: Phono type, Vp-p ± 2 dB sync negative, 75 Ω 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), 75Ω, or 0.3 Vp-p ± 2 dB (PAL), 75Ω |
| Audio IN: | Phono type (2) stereo, 500 mV rms, impedance more than 47 kΩ |
| INPUT A/B: | Analog RGB/Component: HD D-sub 15-pin (Female): R/R-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω G: 0.7 Vp-p ± 2 dB positive, 75 Ω G with sync/Y: 1 Vp-p ± 2 dB sync negative, 75 Ω B/B-Y: 0.7 Vp-p ± 2 dB positive, 75 Ω |
| SYNC: | C sync/HD: Composite sync: 1 to 5 Vp-p high impedance, sync positive/negative Horizontal sync: 1 to 5 Vp-p high impedance, sync positive/negative VD: Vertical sync: 1 to 5 Vp-p high impedance, sync positive/negative |
| Mouse IN: | Square 13-pin (Female) |
| Audio IN: | Stereo mini jack, 500mV rms, impedance more than 47 kΩ |
| INPUT B: | Monitor out: HD D-sub 15-pin (Female): Video signal: Gain unity Sync signal: 4 Vp-p high impedance 1 Vp-p, 75 Ω |
| AUDIO OUT: | Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ |
| Regulation Compliance: | UL1950, cUL1950, FCC Class A, IC Class A, DHHS (Laser) |
| Laser beam: | Laser type: Class II Wavelength: 645 nm Output: 1 mW |

2-3 LCD projectors

VPL-S800U (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- LCD (Liquid Crystal Display)-based multiscan projector
- Three p-Si TFT LCD panels for a total of 1,557,504 pixels (519,168 pixels × 3)
- 400W DC drive metal halide lamp incorporated
- Light output of 700 ANSI*1 lumen
- Multiscan capability with a built-in scan converter: fH: 15 to 65 kHz, fV: 38 Hz to 120 Hz
- Thanks to the preset data, optimum picture reproduction can be attained just by connecting an input signal
- Excellent uniformity and accurate color reproduction assured with advanced technologies
- Power zoom, power focus and picture shift functions for installation flexibility
- On-screen menu with a choice of seven languages for adjustment/operation
- User-friendly joystick type remote commander RM-PJM800 for easy operation
- Optional IFB series interface board, SIC series signal interface cables, PC-1271 signal interface switcher and IFU-1271 interface unit available for system versatility
- Twin stack capability
- Desk top mounted projection, ceiling mounted projection and rear projection capabilities
- 4 optional lenses available
- Can be used with screens from 40 to 300 inches in size
- Power saving mode available



Supplied accessories:

- Remote commander RM-PJM800
- Remote commander cable (Stereo) (15 m)
- AA size battery (x2)
- AC power cord
- Operating manual
- Installation manual

Optional accessories:

- Projector lamp (for replacement) PK-PJ800
- Suspension support PSS-800
- Suspension support PSS-10
- Projector stand (for twin stacking) SU-PJ800
- Signal interface switcher PC-1271
- Interface board IFB-12/20/21/1000
- Multi-cable*2 14-pin→14pin
- CCQ-BRS 2/5/10/25/50 m
- SIC-M 1/5/25/50 m
- Signal interface cable SIC-10/20A/20C/21/22
- Signal adaptor HD D-sub 15-pin→D-sub 9-pin (for SIC Cable) ADP-10
- Signal adaptor ADP-20 (Macintosh® to VGA)
- D-sub HD 15-pin→5BNC cable SMF-400
- D-sub HD 15-pin→D-sub HD 15-pin SMF-401
- Mouse receiver RM-PJ21
- Remote control receiver RM-PJ10
- Projection lens VPLL-ZP40
- Projection lens VPLL-ZP100
- Projection lens VPLL-FM30
- Projection lens VPLL-FM20
- 100-inch flat screen VPS-100FH*2
- 120-inch flat screen VPS-120FH*2

Specifications

Optical

Projection system: 3 LCD panels, 1 lens projection
 LCD panel: 1.3-inch TFT LCD panel, 1,557,504 pixels (519,168 pixels × 3)
 Lamp: 400W DC drive metal halide
 Light output: ANSI: 700 lm
 Optional projection lenses:

| | Screen coverage (inches) | Screen coverage when twin stacking (inches) | Throwing distance (mm) | | |
|-------------------------------|--------------------------|---|------------------------|--------------|---------------|
| | | | 100-inch | 150-inch | 200-inch |
| VPLL-ZP40 (Standard focus) | 40-300 | 60-240 | 3820 - 5580 | 5770 - 8420 | 7730 - 11250 |
| VPLL-ZP100 (Long focus) | 80-300 | 80-250 | 5500 - 10430 | 8330 - 15650 | 11150 - 20880 |
| VPLL-FM30 (Fixed short focus) | 40-290 | N.A. | 2790 | 4210 | 5640 |
| VPLL-FM20 (Fixed short focus) | 50-200 | N.A. | 1790 | 2720 | 3640 |

General

Color system: NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M automatically selected
 Resolution: Video: 600TV lines
 RGB: 832 × 624 pixels
 Scanning frequency: fH: 15 kHz-65 kHz
 fV: 38 Hz-120 Hz
 Dot clock: 80 MHz
 Speaker: Max. 3 W monaural 90 mm × 50 mm
 Power requirements: AC 100 to 120 V/220 to 240 V*3, 50/60 Hz
 Power consumption: Max.: 570 W, Standby: 15 W

Heat dissipation: 1945 BTU
 Dimension: 480 (W) × 239 (H) × 662.5 (D) mm (19 × 9 1/2 × 26 1/8 inches)
 Mass: Approx. 25 kg (55 lb 2 oz)
 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: Loop-through BNC 1 Vp-p ± 2dB sync negative, 75Ω
 S VIDEO IN:
 Y IN: BNC 1 Vp-p ± 2 dB sync negative, 75Ω
 C IN: BNC Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω
 0.3 Vp-p ± 2 dB (PAL), 75Ω
 Y/C IN:
 Loop-through Mini DIN 4-pin
 Y (luminance): 1 Vp-p ± 2 dB sync negative, 75Ω
 C (chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω
 0.3 Vp-p ± 2 dB (PAL), 75Ω
 Audio IN: Phono, stereo, 500 mV rms, impedance more than 47kΩ (stereo or monaural selectable)
 INPUT A:
 Analog RGB/Component: BNC x5
 R/R-Y: 0.7 Vp-p ± 2 dB positive, 75Ω
 G: 0.7 Vp-p ± 2 dB positive, 75Ω
 G/Y with sync: 1 Vp-p ± 2 dB sync negative, 75Ω
 B/B-Y: 0.7 Vp-p ± 2 dB positive, 75Ω
 SYNC/HD

Composite sync: 0.6-8 Vp-p high impedance, sync positive/negative
 Horizontal sync: 0.6-8 Vp-p high impedance, sync positive/negative
 VD
 Vertical sync: 0.6-8 Vp-p high impedance, sync positive/negative
 Audio IN: Phono, stereo, 500 mV rms, impedance more than 47kΩ (stereo or monaural selectable)
 INPUT B: 14-pin multi-connectors (Input: Male, Output: Female) IFB-40 is installed in INPUT B
 AUDIO OUT (Variable out): Phono, stereo, max. 1 V rms, when the input signal is 500mV rms, impedance less than 5kΩ
 CONTROL S:
 IN/PLUG IN POWER: Stereo mini jack 5 Vp-p, Plug in power DC 5 V maximum output 60 mA
 OUT: Stereo mini jack 5 Vp-p
 REMOTE:
 RS-422A: D-sub 9-pin (female)
 TRIG: Mini jack
 Power ON: DC 5 V output impedance 4.7kΩ
 Power OFF: 0 V
 Safety regulations:
 VPL-S800U: UL1950, CSA950, FCC Class A, IC Class A

*1 ANSI lumen is a measuring method of American National Standards Institute IT7.228.

*2 Some items are not available in some areas. For details, please consult your nearest Sony office.

*3 UL listed for 120 V operation.

2-3 LCD projectors

VPL-S600U MkII*1 (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- LCD (Liquid Crystal Display)-based portable presentation projector
- Three TFT LCD panels for a total of 1,557,504 pixels (519,168 pixels × 3)
- 120 W UHP lamp incorporated
- A remarkable high output of 600 ANSI lumen*2
- Excellent uniformity and accurate color reproduction assured with advanced technologies including bilinear interpolation
- Handles VGA, SVGA, XGA*3, SXGA*3 with a horizontal frequency of 15, 24 to 80 kHz, composite video, Y/C video and component video signals
- Unique APA (Auto Pixel Alignment) function
- Lightweight, compact magnesium diecast body
- Seven language on-screen display
- Grip-contoured remote commander RM-PJM600 with laser pointer and mouse control function
- Desk top or ceiling mounted projection capabilities
- can be used with screens from 40 to 300 inches in size
- Built-in three-speaker stereo

- Supplied Accessories:
- Remote Commander RM-PJM600
 - Video Signal Cable
 - SMF-401 (2 m) × 1: HD D-sub 15-pin to HD D-sub 15-pin Cable
 - Macintosh Adaptor × 1
 - Mouse Cables (2 m)
 - SIC-S20/S21/S22: for connection to Mac, Serial, PS/2
 - Audio Visual Cable (1.5 m)
 - AA size battery (× 2)
 - Front Cover
 - Lens Cap
 - Strap for Remote Commander
 - Air Filter
 - AC power Cord
 - Operating manual
 - Quick Reference Card
 - Installation Manual for Dealers
 - Warranty Card
- Optional Accessories:
- Projector Lamp (for replacement) LMP-600
 - Suspension Support PSS-600
 - Carrying Case VLC-600*1
 - Remote Control Receiver RM-PJ10
 - Video Signal Cable
 - SMF-400: D-sub HD 15-pin to 5 BNC Cable
 - SMF-401: D-sub HD 15-pin to D-sub HD 15-pin Cable]
 - Signal Cable
 - SMF-402: D-sub HD 15-pin to Phono × 3 Cable
 - Mouse Cable
 - SIC-S20: for Mac
 - SIC-S21: for Serial
 - SIC-S22: for PS/2
 - Projection Lens
 - VPLL-ZM100 (long focal, 2 times zoom lens)
 - VPLL-FM30 (short focal, fixed lens)
 - VPLL-FM20 (short focal, fixed lens)
 - Screen
 - VPS-100FH: 100-inch Flat Screen*1
 - VPS-120FH: 120-inch Flat Screen*1
 - VPS-80C: 80-inch Portable Screen*1

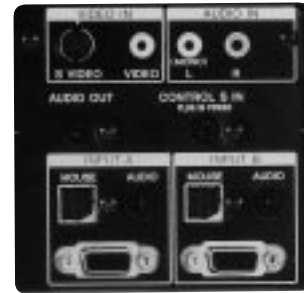
Specifications

Optical

- Projection system: 3 LCD panels, 1 lens, projection system
- LCD panel: 1.3-inch TFT LCD panel, 1,557,504 pixels (519,168 pixels × 3)
- Projection lens: 1.3 times zoom lens, 13 element all glass, Multi-coated F 2.5 to 3.0/f = 50 to 65 mm
- Lamp: 120 W UHP
- Screen coverage: 40 to 300 inches
- Light output: ANSI 600 lm
- Throwing distance:
- 40-inch: 1550 to 1960 mm (61¹/₈ to 77¹/₄ inches)
 - 80-inch: 3180 to 4010 mm (125¹/₄ to 157⁷/₈ inches)
 - 100-inch: 4000 to 5040 mm (157¹/₂ to 198¹/₂ inches)
 - 200-inch: 8090 to 10160 mm (318⁵/₈ to 400 inches)
 - 300-inch: 12180 to 15280 mm (479⁵/₈ to 601⁵/₈ inches)

General

- Color system: NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M automatically/manually selected
- Resolution: Video: 600 TV lines, RGB: 832 × 624 pixels
- Acceptable signal: fh: 15, 24 to 81 kHz, fv: 43 to 85 Hz
- Heat dissipation: 750.7 BTU
- Speaker: Wide frequency range 3 speaker system
Woofer: 57 mm (2¹/₄" diameter, max. 1 W



- Tweeter: 28 mm (1¹/₈" diameter, max. 0.25 W × 2 (stereo)
- Power requirements: AC 100 to 120 V/220 to 240 V, 50/60 Hz
- Power consumption: Max. 220 W, Stand by: 2 W
- Dimension:
- 333 (W) × 120 (H) × 291 (D) mm (13¹/₈ × 4³/₄ × 11¹/₂ inches)
 - without lens, foot, or protuberance
 - 339 (W) × 136 (H) × 332 (D) mm (13³/₈ × 5³/₈ × 12³/₄ inches)
- Mass: Approx. 5.8 kg (12 lb 13 oz)
- Operating temperature: 0° to 40°C (32° to 104°F)
- Operating humidity: 35 to 85 %
- Input/Output**
- VIDEO IN:
- Composite video: Phono type 1 Vp-p ± 2 dB sync negative, 75 Ω
 - S VIDEO: Mini-DIN 4-pin
 - Y (luminance): 1 Vp-p ± 2 dB sync negative, 75 Ω
 - C (chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC), 75 Ω, 0.3 Vp-p ± 2 dB (PAL), 75 Ω
- Audio IN:
- Phono type (× 2) stereo, 500 mV rms, impedance more than 47 kΩ
- INPUT A/INPUT B:
- HD D-sub 15 pin (Female):
 - Analog RGB/Component:
 - R/R-Y: 0.7 Vp-p ± 2 dB, 75 Ω
 - G/Y: 0.7 Vp-p ± 2 dB, 75 Ω
 - G with sync: 1 Vp-p ± 2 dB sync negative, 75 Ω
 - B/B-Y: 0.7 Vp-p ± 2 dB, 75 Ω
 - SYNC:
 - C sync/HD:
 - Composite sync: 1-5 Vp-p high impedance, positive/negative
 - Horizontal sync: 1-5 Vp-p high impedance, positive/negative
 - VD:
 - Vertical sync: 1-5 Vp-p high impedance, positive/negative
 - Mouse IN: Square 13-pin (Female)
 - Audio IN: Stereo mini jack, 500mV rms, impedance more than 47kΩ
- AUDIO OUT (Variable out): Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ
- CONTROL S IN/PLUG IN POWER: Stereo mini jack, 5 Vp-p, Plug in power DC 5 V maximum output 60 mA
- Regulation Compliance: UL1950, cUL1950, FCC Class A, IC Class A, DHHS
- Laser beam: Laser type: Class II
Wavelength: 670 nm
Output: 1 mW

*1 Not available in some areas. For details please consult your nearest Sony office.
*2 ANSI lumen is a measurement method of the American National Standard IT 7.228.
*3 Compressed XGA and SXGA signal are reproduced.

2-3 LCD projectors

VPL-S500U (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- LCD (Liquid Crystal Display)-based portable presentation projector
- Three p-Si TFT LCD panels for a total of 1,557,504 pixels (519,168 pixels × 3 panels)
- 250 W metal halide lamp incorporated
- A high light output of 450 ANSI lumen*¹
- Excellent uniformity and accurate color reproduction assured with advanced technologies
- Accepts VGA, SVGA, XGA*² with a horizontal frequency of 15, 24 to 57 kHz composite video, Y/C video and component 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 ceiling mounted projection capabilities
- Can be used with screens from 40 to 300 inches in size
- Power saving mode available
- 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



Supplied Accessories: Remote commander RM-PJM500
 Mouse receiver RM-PJ21
 HD D-sub 15-pin (male) to HD D-sub 15-pin (male) cable
 VGA-Macintosh adaptor
 Ventilation cover
 Size AA (R6) batteries
 AC power cord
 Operating manual

Optional accessories: Signal Interface cable SIC-20A/20C/21/22
 Remote control receiver RM-PJ10
 Projector lamp (for replacement) PK-PJ500*³
 Projection lens VPLL-FM30
 Projection lens VPLL-ZM100
 Carrying case VLC-500*³
 Suspension support PSS-500
 Signal adaptor ADP-10
 (HD D-sub 15-pin to HD D-sub 9-pin for SIC Cable)
 HD D-sub 15-pin to 5 BNC cable SMF-400
 100-inch flat screen VPS-100FH*³
 120-inch flat screen VPS-120FH*³

Specifications

Optical

Projection system: 3 LCD panels, 1 lens, projection system
 1.3-inch p-Si TFT LCD panel,
 1,557,504 pixels (519,168 pixels × 3)

Projection lens: 1.5 times zoom lens f50 to 75 mm/F 2.5 to 3.1

Lamp: 250 W Metal halide lamp

Screen coverage: 40 to 300 inches

Light output: ANSI: 450 lm

Throwing distance:
 40-inch : 1470 to 2190 mm (57 7/8 to 86 1/4 inches)
 80-inch : 3040 to 4450 mm (119 3/4 to 175 1/4 inches)
 100-inch : 3820 to 4450 mm (150 1/2 to 219 3/4 inches)
 120-inch : 4600 to 6720 mm (181 1/8 to 264 5/8 inches)
 200-inch : 7730 to 11250 mm (304 3/8 to 443 inches)
 300-inch : 11640 to 16910 mm (458 3/8 to 655 3/4 inches)

General

Color system: NTSC/PAL/SECAM/NTSC_{4.43}

Resolution: Video: 600TV lines
 RGB: 832 × 624 pixels

Compatible signals: 15k RGB/Component (NTSC base)
 fH: 15.734 kHz, fV: 59.94 Hz
 15k RGB/Component (PAL/SECAM base)
 fH: 15.625 kHz, fV: 50.0 Hz
 VGA mode1 (640 × 350 dots)
 fH: 31.468 kHz, fV: 70.086 Hz
 VGA mode2 (640 × 400 dots)
 fH: 31.468 kHz, fV: 70.086 Hz
 VGA mode3 (640 × 480 dots)
 fH: 31.468 kHz, fV: 59.94 Hz
 VGA VESA 72 Hz (640 × 480 dots)
 fH: 37.86 kHz, fV: 72.809 Hz
 VGA VESA 75 Hz (640 × 480 dots)
 fH: 37.5 kHz, fV: 75 Hz
 VGA VESA 85 Hz (640 × 480 dots)
 fH: 43.269 kHz, fV: 85.008 Hz
 Macintosh 13-inch mode (640 × 480 dots)
 fH: 35 kHz, fV: 66.7 Hz
 Macintosh 16-inch mode (640 × 480 dots)
 fH: 49.724 kHz, fV: 74.55 Hz
 S VGA VESA 56 Hz (800 × 600 dots)
 fH: 35.156 kHz, fV: 56.25 Hz
 S VGA VESA 60 Hz (800 × 600 dots)
 fH: 37.879 kHz, fV: 60.32 Hz
 S VGA VESA 72 Hz (800 × 600 dots)
 fH: 48.077 kHz, fV: 72.188 Hz

S VGA VESA 75 Hz (800 × 600 dots)
 fH: 46.875 kHz, fV: 75.0 Hz
 S VGA VESA 85 Hz (800 × 600 dots)
 fH: 53.674 kHz, fV: 85.061 Hz
 XGA VESA 60 Hz (1024 × 768 dots)
 fH: 48.363 kHz, fV: 60 Hz*²
 XGA VESA 70 Hz (1024 × 768 dots)
 fH: 56.476 kHz, fV: 70.069 Hz*²

Horizontal frequency range of computer input:
 RGB: 15 kHz (S on G/Composite sync), 24 to 57 kHz

Speaker: Max. 2 W+2 W, 7 × 4 cm stereo

Power requirements: AC 100 to 120 V/200 to 240 V*⁴, 50/60 Hz

Power consumption: Max. 350 W (Standby mode: 10 W)

Heat dissipation: 1194.4BTU

Mass: Approx. 10 kg (22 lb 1 oz)

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

Operating humidity: 35% to 85%

Storage temperature: -20°C to 60°C (-4°F to 149°F)

Storage humidity: 10% to 90%

Dimensions: 368 (W) × 176 (H) × 444 (D) mm
 (14 1/2 × 7 × 17 1/2 inches)

Input/Output

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), 75Ω
 0.36 Vp-p ± 2 dB (PAL), 75Ω

Audio IN: Phono (×2)
 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: 0.6-8 Vp-p high impedance,
 sync positive/negative
 Horizontal sync: 0.6-8 Vp-p high impedance,
 sync positive/negative

VD:
 Vertical sync: 0.6-8 Vp-p high impedance,
 sync positive/negative

AUDIO IN: Stereo minijack
 500 mV rms, impedance more than 47kΩ

AUDIO OUT (variable out): Phono (×2)
 Max. 1 V rms, when an input is 500 mV rms,
 impedance less than 5kΩ

CONTROL S IN/PLUG IN POWER: Stereo minijack
 5 Vp-p, Plug in power, DC 5 V, maximum output 60 mA

Safety regulations: UL 1950, CSA950, FCC Class B, IC Class B

*1 ANSI is a measuring method of American National Standard ANSI IT 7.228.

*2 Compressed XGA signal is reproduced.

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

*4 UL listed for 120 V operation.

2-3 LCD projectors

VPL-SC50U (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M) LCD Data Projector

- LCD (Liquid Crystal Display)-based video projector
- Three LCD panels for a total of 1,440,000 pixels (480,000 pixels × 3 panels)
- 120 W UHP lamp
- High light output of 500 ANSI*¹ lumens
- Excellent uniformity and accurate color reproduction assured with advanced technologies
- Built-in zoom lens
- Accepts VGA, SVGA and XGA*² with a horizontal frequency of 24 to 57 kHz
- Extremely light-weight at just 3.7 kg - a truly portable projector
- On-screen menus with a choice of seven languages for adjustment/operation
- Supplied remote commander RM-PJM600 controls all the projector functions
- Mouse function operation for remote control of the connected computer source
- Can be used with screens from 40 to 150 inches in size
- Built-in stereo speakers

Supplied accessories:

- Remote commander RM-PJM600
- HD D-sub 15-pin to HD D-sub 15-pin cable
- Macintosh[®] adaptor
- Mouse cable (2 m)
- Audio-visual cable (1.5 m)
- AA batteries (2)
- Strap for remote commander
- AC power cord
- Air filter
- Operating instructions
- Quick reference sheet

Optional accessories:

- Projector lamp (for replacement) LMP-600
- Carrying case VLC-SC50
- Interface selector IFU-SC50
- HD D-sub 15-pin to 5 BNC cable SMF-400
- HD D-sub 15-pin to HD D-sub 15-pin cable SMF-401
- HD D-sub 15-pin to RCA PIN x 3 cable SMF-402
- Mouse cable SIC-S20 (Mac) /S21 (Serial) /S22 (PS/2)
- Signal adaptor ADP-10
- 80-inch portable screen VPS-80C*³
- 50-inch portable screen VPS-50C*³

Specifications

Optical

Projection system: 3 LCD panels, 1 lens projection system
 Picture tube: 0.9-inch TFT LCD panel, 1,440,000 pixels (480,000 pixels × 3)
 Projection lens: 1.2 times zoom lens, F2.5 to 2.79/f=32.8 to 39.4mm
 Lamp: 120 W UHP
 Screen coverage: 40-inch to 150-inch (measured diagonally)
 Light output: 500 ANSI lumens*¹

General

Color system: NTSC, PAL, SECAM, NTSC_{4.43}, PAL-M (automatically/manually selected)
 Resolution: 600 TV lines (video); 800 × 600 pixels (RGB)
 Scanning frequency: RGB: fH 24-57 kHz; fV: 50-85 Hz; 15 K component 50/60 Hz system, composite video, Y/C video
 Speaker: Max. 0.5 W × 2 (stereo)
 Power requirements: AC 100 to 120 V, 220 to 240 V, 50/60 Hz
 Power consumption: 190 W (max), 2 W (standby)
 Heat dissipation: 648.37 BTU
 Dimensions: 107 (W) × 218 (H) × 314 (D) mm (4 1/4 × 8 1/4 × 12 3/8 inches)
 Mass: 3.7 kg (8 lb 2 oz)
 Operating temperature: 0 to 40°C (32 to 104°F)
 Operating humidity: 35 to 85%

Input/Output

VIDEO IN:
 Composite: Phono type, 1 Vp-p ± 2 dB, sync negative, 75Ω
 S video: 4-pin mini DIN;
 Y (luminance): 1 Vp-p ± 2 dB, sync negative, 75Ω
 C (chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω; 0.3 Vp-p ± 2 dB (PAL), 75Ω
 INPUT A:
 Analog RGB/Component
 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 positive, 75Ω
 B/B-Y: 0.7 Vp-p ± 2 dB positive, 75Ω



SYNC:

C sync/HD
 Composite sync: 1-5 Vp-p high impedance, sync positive/negative
 Horizontal sync: 1-5 Vp-p, high impedance, sync positive/negative

VD:

Vertical sync: 1-5 Vp-p, high impedance, sync positive/negative

Mouse IN: square 13-pin (female)
 Audio IN: Stereo mini jack, 500 mV rms, impedance less than 5 kΩ
 AUDIO OUT: (variable out) Stereo mini jack, max. 1 V rms, when an input signal is 500 mV rms, impedance less than 5 kΩ

Laser beam

Laser type: Class II
 Wavelength: 670 nm
 Output: 1 mW

Safety Regulations: UL 1950, cUL 950, FCC Class A, IC Class A, DHHS

*1 ANSI is a measuring method of the American National Standards Institute IT7.228.
 *2 Compressed XGA signal is reproduced while preserving the detail of the image.
 *3 Not available in some areas.

2-3 LCD projectors

VPL-W400Q (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

LCD Video Projector

•LCD (Liquid Crystal Display)-based video projector •Three 16:9 p-Si TFT LCD panels for a total of 1,538,640 pixels (3 panels of 512,880 pixels) •250 W metal halide lamp incorporated •Remarkable light output of 400 ANSI lumen*1 •Excellent uniformity and accurate color reproduction assured with advanced technologies •Accepts component (Y/R-Y/B-Y), RGB, Y/C video, composite video and HDTV*2 signals •Signals with 4:3 aspect ratio can be presented as 4:3 or in four different 16:9 modes: full, zoom, sub title and wide zoom •Letter box signals are reproduced automatically with a 16:9 aspect ratio in the Auto wide ON mode •Quick retrieval of desired picture conditions with the memory function •On-screen menu with a choice of seven languages for adjustment/operation •Supplied wired/wireless remote commander RM-PJM500 controls major projector functions such as set-up adjustments and operational functions •Light in weight and compact design for easy handling •Desk top mounted projection and ceiling mounted projection capabilities •Can be used with screens from 41 to 300 inches in size (16:9) •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 AA (R6) size battery (x2) AC power cord BNC (male) to Phono (female) adapter Operating instructions |
| Optional accessories: | Projector lamp (for replacement) PK-PJ500*3 Projection lens VPLL-FM100 Carrying case VLC-500 Suspension support PSS-500 Signal interface cable SIC-10 |

Specifications

Optical

| | |
|--------------------|--|
| Projection system: | 3 LCD panels, 1 lens, projection 1.35-inch p-Si TFT LCD panel, 1,538,640pixels (512,880 pixels x 3 panels) |
| Projection lens: | 1.6 times zoom lens f50 to 80 mm/F2.5 to 3.1 |
| Lamp: | 250 W DC metal halide lamp |
| Screen coverage: | 41 to 300 inches (aspect ratio: 16:9) 34 to 245 inches (aspect ratio: 4:3) |
| Light output: | ANSI: 400 lm (16:9) |
| Throwing distance: | <16:9> 41-inch : 1490 to 2280 mm (58¾ to 89¾ inches) 80-inch : 3000 to 4570 mm (118½ to 180 inches) 100-inch : 3770 to 5740 mm (148½ to 226 inches) 120-inch : 4540 to 6910 mm (178¾ to 272½ inches) 200-inch : 7640 to 11590 mm (300¾ to 456¾ inches) 300-inch : 11500 to 17450 mm (452¾ to 687½ inches) <4:3> 34-inch : 1510 to 2320 mm (59½ to 91¾ inches) 80-inch : 3690 to 5620 mm (145¾ to 221¾ inches) 100-inch : 4630 to 7050 mm (182¾ to 277¾ inches) 120-inch : 5580 to 8480 mm (219¾ to 333¾ inches) 200-inch : 9370 to 14210 mm (369 to 559½ inches) 245-inch : 11500 to 17440 mm (452¾ to 686¾ inches) |

General

| | |
|------------------------|---|
| Color system: | PAL/NTSC/SECAM/NTSC _{4.43} /PAL-M automatically selected |
| Resolution: | 600TV lines |
| Speakers: | Max. 2 W+2 W, 7 x 4 cm stereo |
| Power requirements: | AC 100 to 120 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:

| | |
|------------------|---|
| 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), 75Ω 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: | |
| 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 |
| | Composite sync: 0.6 to 8 Vp-p, high impedance, sync positive/negative |
| HDTV*2 (Y/Pb/Pr): | |
| Y: | 1 Vp-p ± 2 dB, 75Ω Tri-level sync: 0.3 Vp-p, Bi-level sync: 0.3 Vp-p Pb/Pr: 0.35 Vp-p ± 2 dB, 75Ω |

HDTV*2 (GBR):

| | |
|--------------|--|
| G with sync: | 1Vp-p ± 2 dB, 75Ω Tri-level sync: 0.3 Vp-p, Bi-level sync: 0.3 Vp-p 0.7 Vp-p ± 2 dB, 75Ω |
| B/R: | 0.7 Vp-p ± 2 dB, 75Ω |
| 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 |
|----------------|--|

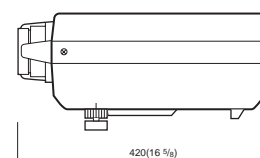
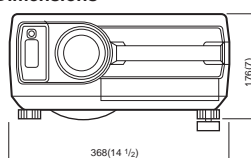
CONTROL S:

| | |
|-------------------|--|
| IN PLUG IN POWER: | Stereo mini jack 5 Vp-p, Plug in power DC 5 V maximum output 60 mA |
| OUT: | Stereo mini jack 5 Vp-p |
| TRIG: | Mini jack Power ON: DC 5 V output impedance 4.7kΩ Power OFF: 0 V |

Safety regulations

UL1950, CSA950, FCC Class B, IC Class B

Dimensions



Unit: mm (inch)

*1 ANSI lumen is a measuring method of American National Standards Institute IT 7.228.

*2 HDTV: 1125/60 interlaced HDTV studio standard system.

*3 PK-PJ500 is not available in some areas. For details, please consult your nearest Sony office.

2-4 Data projector

VPD-S1800Q (NTSC/PAL/SECAM/NTSC_{4.43}/PAL-M)

- Multiscan projector with DLP (Digital Light Processing) technology
- Incomparable high brightness of 1,800 ANSI lumen*¹
- Three DMD (Digital Micromirror Device) panels for a total of 1,526,400 pixels (508,800 pixels × 3 panels)
- Multiscan capability with a built-in scan converter: horizontal 15 to 65 kHz, vertical 43 to 120 Hz
- Compatible with various signals: video, computer and HDTV*²
- 36 memorized presets enable the connected signal sources to be automatically reproduced in optimum conditions
- User-friendly joystick-type remote commander for easy operation
- Power focus, power zoom and picture shift functions for installation flexibility
- A maximum of 4 units can be stacked for surpassingly bright image reproduction
- 3 optional focal lens available
- Optional IFB Series interface boards, SIC Series signal interface cables and PC-1271 signal interface switcher and IFU-1271 interface unit available for system versatility
- RS-422A serial communication port available
- Desk top mounted projection, ceiling mounted projection, floor mounted projection and rear projection capabilities
- Can be used with screens ranging from 100 to 600 inches in size

Supplied accessories: Remote commander RM-PJM800
Remote commander cable (15 m)
Size AA (R6) battery (x2)
AC power cord
Operating manual
Installation manual

Optional accessories: 1.5 times zoom standard focus lens VPD-L-ZP50
2 times zoom long focus lens VPD-L-ZP80
Fixed short focus lens VPD-L-FP30
Projector lamp (for replacement) PK-PJ1800
Suspension support PSS-70
Signal adaptor ADP-10
(HD D-sub15-pin to D-sub 9-pin for SIC Cable)
Signal adaptor ADP-20 (Macintosh® to VGA)
Monitor cable SMF-400 (D-sub HD 15-pin to 5BNC)
Monitor cable SMF-401 (D-sub HD 15-pin to D-sub HD 15-pin)
Interface board IFB-12/20/21/1000/1301
Signal interface cable SIC-20A/20C/21/22
Multi cable*³ SIC-M cable (14/14-pin, 1/5/15/25/50 m)
9 pin remote cable RCC-5G/10G/30G
(D-sub 9-pin to D-sub 9-pin for RS-422A port)
Mouse receiver RM-PJ21
Remote control receiver RM-PJ10
100-inch flat screen VPS-100FH*³
120-inch flat screen VPS-120FH*³

Specifications

Optical

Projection system: 3 DMD panels, 1 lens projection system
DMD panel: 0.7-inch × 3, total of 1,526,400 pixels
Light source: 1 kW Xenon lamp
Screen coverage: 100 to 600 inches measured diagonally
Light output: ANSI: 1800 lm (at AC 150 to 240 V in Light Boost ON)
1200 lm (at AC 100 to 150 V)

Signals

Color system: NTSC, PAL, SECAM, NTSC_{4.43}, PAL-M
Resolution: 848 × 600 pixel (RGB)
RGB input: Horizontal: 15 to 65 kHz
Vertical: 50 to 120 Hz

General

Power requirements: AC 100 to 240 V*⁴, 50/60 Hz
Power consumption: 1500 W (AC 100 to 120 V)
1500 W (AC 200 to 240 V, Light Boost OFF)
1700 W (AC 200 to 240 V, Light Boost ON)
30 W (Stand-by)
Operating temperature: 10 to 35°C (50 to 95°F)
Operating humidity: 35 to 85%
Storage temperature: -20 to 60°C (-4 to 140°F)
Storage humidity: 10 to 90%
Dimensions: 726 (W) × 274 (H) × 684 (D) mm
(28⁵/₈ × 10⁷/₈ × 27 inches)
Mass: 60 kg (132 lb 4 oz)

*¹ At AC 150 to 240V in Light Boost ON. ANSI lumen is a measuring method of American National Standards Institute IT 7.215.

*² HDTV: 1125/60 interlaced HDTV studio standard system, with the optional IFB-1301 incorporated.

*³ Some items are not available in some areas. For details, please consult your nearest Sony offices.

*⁴ UL listed for 120 V operation.



Inputs/Outputs

Video:

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

S Video:

Y IN: BNC
1 Vp-p ± 2 dB sync negative, 75Ω

C IN:

BNC
Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω

Y/C IN:

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

Input A:

Analog RGB/Component: BNC × 5

R/R-Y: 0.7 Vp-p ± 2 dB positive, 75Ω

G/Y: 0.7 Vp-p ± 2 dB positive, 75Ω

G with sync: 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,
positive/negative

Horizontal sync: 0.6 to 8 Vp-p, high impedance,
positive/negative

VD:

Vertical sync: 0.6 to 8 Vp-p, high impedance,
positive/negative

Input B:

14-pin multi connectors (Input: male, Output: female)

CONTROL S

IN/PLUG IN POWER: Stereo mini-jack

5 Vp-p, DC 5 V, maximum output 60 mA
Stereo mini-jack

OUT:

REMOTE

RS-422A: D-sub 9 pin (female)

TRIG:

Mini jack
Power On: DC 5 V, output impedance 4.7kΩ
Power Off: 0 V

Safety regulations

UL1950, CSA950, FCC Class A, IC Class A



2-5 Projector accessories

VID-P50

Video Presentation Stand

•Clear image reproduction with a high horizontal resolution of over 460TV lines •12 times powered zoom capability •Fully automatic functions (auto focus, auto iris, auto white balance) for easy operation •Lighting unit as standard •Flip up and tilt camera head up to 90 degrees to capture images within the room •One-touch detachable close-up lens •Video output and S-video (Y/C) output connector •Document area is (300 × 300 mm) enabling the use of A4 or letter size documents or other presentation materials •Light weight, easy-to-carry design

Supplied accessories: AC cable
Operation manual

Specifications

General

Pickup device: 1/3 inch Interline-transfer CCD × 1
Picture element: 768 (H) × 494 (V)
Resolution: More than 460TV lines (horizontal)
S/N ratio: More than 48dB
Lens: F1.8 f=5.4~64.8 mm (× 12 power zoom)
Shooting area: 300 × 225 mm (WIDE)
(11⁷/₈ × 10¹/₈ inches)
25 × 19 mm (TELE)
(1 × ³/₄ inches)
Focus: Full Auto
Iris: Full Auto
Lighting: 4W fluorescent lamp × 1
White balance: Full Auto
Outputs: Video (Phono connector × 1)
1Vp-p sync negative
S-video (4pin mini DIN × 1)
Y: 1Vp-p, 75 b sync negative
C: 0.286Vp-p, 75 b (NTSC)
C: 0.300Vp-p, 75 b (PAL)



Dimensions: 335 (W) × 525 (H) × 355 (D) mm
(13 1/4 × 20 3/4 × 14 inches)
<when folded>
335 (W) × 70 (H) × 550 (D) mm
(13 1/4 × 2 7/8 × 21 3/4 inches)
Mass: 4.1 kg (9 lb 1 oz)
Power requirement: AC 120 V 60 Hz 150 mA

VID-P110

Video Presentation Stand

•Three-dimensional objects just as well as flat objects such as charts, drawings, books etc. can be displayed on TV monitors and projectors •1/3-inch CCD camera provides a high horizontal resolution of over 460 TV lines •Auto focus, auto iris control and auto white balance •Two pattern memories •One-touch, swing out, close-up lens •12 times powered zoom capability •Flip up, pan and tilt camera head •Dual arm lights, each with two 9 w fluorescent lamps •Built-in back light function •Input selector •S-video input / output connections (Y/C separate/mix circuit) •Black and white mode •RS-232C interface for control from a PC •Light-weight, compact and easy-to carry design

Supplied accessories: AC power code (1)
Operation manual (1)
Interface manual (1)

Specifications

Pick-up device: 1/3 inch interline transfer, CCD
Picture element: 768 (H) × 494 (V)
Resolution: More than 460 TV lines
Shooting Area: 325 × 240 mm (max.)
29 × 22 mm (min.)
Lens: F=1.8 to 2.7, f=5.4 to 64.8 mm
Output selector: Camera/Video 1/Video 2
Arm light: 9 W twin-fluorescent lamp (2)
Built-in backlight: 2.5 W cold cathode ray lamp (2)
Input connectors: Video in: Phono (2) 1Vp-p, 75 Ω, sync negative
S video in: 4-pin mini DIN (2)
Y: 1 Vp-p, 75 Ω sync negative
C: 0.286 Vp-p, 75 Ω
Audio in: Phono (2) pair, stereo
Input impedance: 47k Ω
Level: -10 dBu, unbalanced
Mic in: Standard jack (1)
Input impedance: 3.3k Ω
Level: -60 dBu, unbalanced



Output connectors: Video out: Phono (1), BNC (1)
1Vp-p, 75 Ω, sync negative
4-pin mini DIN (1)
S video out: Y: 1 Vp-p, 75 Ω sync negative
C: 0.286 Vp-p, 75 Ω
Audio out: Phono (1) pair, stereo
Output impedance: less than 600 Ω
Level: -10 dBu, unbalanced
RS-232C connector: D-sub 9-pin, male
Baud rate: 9600 bps
Power requirements: 120 V AC, 60 Hz
Power consumption: 120 V, 0.3 A
AC outlet: Max. 300W, unswitched
Mass: 8.0 kg (17 lb 10 oz)
Dimensions: 446 (W) × 583 (H) × 622 (D) mm
(17 5/8 × 23 × 24 1/2 inches)
446 (W) × 166 (H) × 634 (D) mm
(17 5/8 × 6 5/8 × 25 inches)

2-5 Projector accessories

VID-P150

Video Presentation Stand

•Three-dimensional objects just as well as flat objects such as charts, drawings, books etc. can be displayed on TV monitors and projectors •1/3-inch CCD camera provides a high horizontal resolution of over 460 TV line •Auto focus, auto iris control and auto white balance •Four pattern memories •One-touch, swing out, close-up lens •12 times powered zoom capability •Flip up, pan and tilt camera head •Motorized (remotely controlled) pan and tilt camera head •Home position for quick return to standard camera position •Dual arm lights, each with two 9 w fluorescent lamps •Built-in back light function •Input selector •S-video input / output connections (Y/C separate/mix circuit) •Black and white mode •Wireless Remote Commander supplied as standard •RS-232C interface for control from a PC •Light-weight, compact and easy-to carry design

Supplied accessories: Wireless remote commander (1)
AC power code (1)
Operation manual (1)
Interface manual (1)
Dry battery (2) (for remote commander)

Specifications

Pick-up device: 1/3 inch interline transfer, CCD
Picture element: 768 (H) × 494 (V)
Resolution: More than 460 TV lines
Shooting Area: Approx. 325 × 260 mm (max.)
Approx. 31 × 23 mm (min.)
Lens: F=1.8 to 2.7, f=5.4 to 64.8 mm
Output selector: Camera / Video 1 / Video 2
Arm light: 9 W twin-fluorescent lamp (2)
Built-in backlight: 2.5 W cold cathode ray lamp (2)
Input connectors:
Video in Phono (2) 1Vp-p, 75 Ω, sync negative
S video in 4-pin mini DIN (2)
Y: 1 Vp-p, 75 Ω sync negative
C: 0.286 Vp-p, 75 Ω
Audio in Phono (2) pair, stereo
Input impedance: 47k Ω
Level: -10 dBu, unbalanced
Standard jack (1)
Mic in Input impedance: 3.3k Ω
Level: -60 dBu, unbalanced
Output connectors:
Video out Phono (1), BNC (1)
1Vp-p, 75 Ω, sync negative



S video out 4-pin mini DIN (1)
Y: 1 Vp-p, 75 Ω, sync negative
C: 0.286 Vp-p, 75 Ω
Audio out Phono (1) pair, stereo
Output impedance: less than 600 Ω
Level: -10 dBu, unbalanced
Camera monitor out Phono jack (1)
1 Vp-p, 75 Ω, sync negative
Wireless remote commander:
Supplied as standard
Service Area 60°, 5 m
D-sub 9-pin, male
Baud rate: 9600 bps
RS-232C connector:
Power requirements: 120 V AC, 60 Hz
Power consumption: 120 V, 3 A
AC outlet: max. 300 W, unswitched
Mass: 8.8 kg (19 lb 6 oz)
Dimensions: 446 (W) × 625 (H) × 622 (D) mm
(17 5/8 × 24 5/8 × 24 1/2 inches)
446 (W) × 190 (H) × 711 (D) mm (when folded)
(17 5/8 × 7 1/2 × 28 inches)

DISPLAY
PRODUCTS

VID-P300 (NTSC)

Video Presentation Stand

•Three-dimensional objects, charts, drawings, transparent sheets, slides, etc., can be displayed on TV monitors and projectors •High horizontal resolution of 720TV lines with 3 chip CCD color video camera •RGB signal output for high picture quality •12 times powered zoom capability •Gen lock •The camera head angle can be changed •Built-in back light function for transparent sheets, slides or posi films •RS-232C interface port for control from external computer •Can be folded for portability

Supplied accessories: AC cable
Operation manual

Specifications

General

Pick-up device: 1/2 inch interline transfer CCD (3 chip)
Picture element: 768(H) × 494(V)
Horizontal resolution: More than 720TV lines
S/N ratio: More than 58 dB
Lens: F1.4, f=7.5 -90 mm
(×12 powered zoom)
Shooting area: Zoom wide.
342 × 257 mm (13³/₈ × 10¹/₈ inches)
Zoom tele.
31.5 × 23.5 mm (1¹/₄ × 1⁵/₁₆ inches)
Focus: Powered
Iris: Auto/Manual
Lighting: 9W twin fluorescent lamp (×2)
for arm light
8 W fluorescent lamp (×2)
for back light
B&W/color: Built-in (without RGB output)
Power requirement: AC 120 V, 50/60 Hz
Power consumption: 35 W
Dimensions: 572(W) × 912(H) × 620(D) mm
446(W) × 237(H) × 740(D) mm
(when folded)
Mass: Approx. 12.7 kg (26 lb 10 oz)



Inputs/outputs

Inputs: Gen lock: BNC(×1), 75Ω sync negative
MIC: Phono(×1), 3.3kΩ, -60 dBu, unbalanced
Output: Video: Phono(×1), BNC(×1), 1 Vp-p sync negative
S-video: 4-pin mini DIN(×1)
Y: 1 Vp-p, 75Ω sync negative
C: 0.286 Vp-p, 75Ω
RGB: BNC(×4)
RGB: 0.7 Vp-p, 75Ω
SYNC: 2 Vp-p, 75Ω
Audio: Phono(×1), less than
600Ω, -10dBu, unbalanced
Control: RS-232C interface port (D-sub 25-pin)

2-5 Projector accessories

PC-3000

Signal Interface Switcher for VPH-G90U and VPL-X2000U

•Provides eight slots for optional interface boards and one fixed output with 150 MHz cable compensation •Up to eight PC-3000 units can be connected, enabling up to 57 different signals to be connected in a system •RGB bandwidth of 300 MHz •Equipped with an RS-232C/RS422A communication port •Equipped with a PJ COM port, in accordance with RS-485 •Incorporates an LCD display in the front panel for easier setting and adjustments •Input selection of a connected projector, as well as the input selection of the PC-3000 itself, can be controlled via the front panel •Last channel memory •Can be easily controlled with optional remote commander RM-PJ3000S •Trig terminal to provide control of an integrated projection room •19-inch EIA standard rack mountable with supplied rack mount kit

Supplied accessories: AC cable
Rack mount kit for 19-inch EIA standard rack
Operating instructions
Terminator

Optional accessories: Remote commander RM-PJ3000S
9-pin remote control cable RCC-5G/10G/30G
(for PJ COM and RS-422A)

Specifications

General

RGB bandwidth: 300 MHz -3 dB
Power requirements: 100 to 240 V, 50/60 Hz
Power consumption: 80 W
Dimensions: 424 (W) × 133 (H) × 420 (D) mm
(16 11/16 × 5 1/4 × 16 17/32 inches)
Mass: 9.3 kg (20 lb 7 oz)

Outputs

BNC connector (8), DIN 4-pin (1)
Video signal: Gain unity, impedance 75 Ω
Sync signal: 5 Vp-p (Impedance high)
1 Vp-p (Impedance 75 Ω)
Audio: Gain unity, impedance 1 kΩ
Control S
IN/ Stereo mini jack, 5 Vp-p
PLUG IN POWER: DC 5 V maximum output 60 mA
OUT: Stereo mini jack, 5 Vp-p
TRIG: Mini jack
Power ON: DC 12 V, output impedance 4.7 kΩ
Power OFF: 0 V

Remote

RS-232C/422A: D-sub 9-pin (female)
PJ COM IN/OUT: D-sub 9-pin (female)
Remote 2: Half pitch 26-pin

*With optional IFB-40, the PC-3000 is also compatible with other current projectors.



2-5 Projector accessories

PC-1271

Signal Interface Switcher for VPH-G90U/G70Q/D50Q, RVP-6010Q/4015Q, VPL-S800U and VPD-S1800Q

- Accepts up to eight signal inputs with IFB interface boards installed (a maximum of sixteen signal inputs with a second PC-1271)
- Connection to VPH-G90U/G70Q/D50Q, RVP-6010Q/4015Q, VPL-S800U, VPD-S1800Q via a single CCQ-BRS or SIC-M multi-cable
- Incorporates cable length compensation to maintain the RGB bandwidth of 70 MHz when using a CCQ-BRS or SIC-M cable of up to 50 m (165 ft) (Compensation switch selectable according to cable length)
- With the cable length compensation function, the 150 MHz RGB bandwidth is guaranteed for MONITOR OUT.
- Can be remotely controlled via the REMOTE 2 (D-sub 25-pin) with an external control unit
- Last channel memory
- Supplied RM-1270S remote control unit for easy operation
- 19-inch EIA standard rack mountable with supplied rack mount kit

Supplied accessories: Remote control unit: RM-1270S
AA Size battery (x2)
AC power cord
Rack mount with screws (one pair)
Operation manual
Input label (x2)

Optional accessories: Interface Unit: IFU-1271
Interface Board:
IFB-11/12/21/20/21/101/1000/1200/1301/ 3000
Signal Interface Cable: SIC-10/20A/20C/21/22

Specifications

General

RGB bandwidth: 150 MHz (-3 dB)
Power requirements: AC 120 V, 50/60 Hz
Power consumption: Approx. 60 W
Dimensions: 424 (W) x 133 (H) x 290 (D) mm
(16³/₄ x 5¹/₄ x 11¹/₂ inches)
Mass: 8 kg (17 lb 10 oz)

Inputs

Input 1 to 8: (open for optional IFB Series input modules)
Remote 1: 14-pin (male), from a second PC-1271
Remote 2: D-sub 25-pin (female) from the external control unit
Control S: Loop-through Mini jack

Outputs

Monitor out:
Video: BNC
1 Vp-p, sync negative, 75Ω
Y/C: 4-pin mini DIN
Y(luminance): 1Vp-p, sync negative, 75Ω
C(chrominance): 0.286 Vp-p (NTSC),
0.3 Vp-p (PAL), 75Ω
R/B: BNC
0.7 Vp-p, 75Ω
G/Sync on G: BNC
0.7 Vp-p, 75Ω (Non-composite)
1 Vp-p, sync negative, 75Ω (Composite)
HD/VD/HV: BNC
1 Vp-p, positive/negative, 75Ω
Audio: Phono
(stereo or monaural selectable)
-5 dBu, impedance 1kΩ
Remote 1: 14-pin (female), To VPH-G90U/G70Q/D50Q,
RVP-6010Q/4015Q, VPL-S800U, VPD-S1800Q or first
PC-1271



RM-1270S
(Supplied)

2-5 Projector accessories

IFU-1271*1

Interface Unit for VPH-G90U/G70Q/ D50Q, RVP-6010Q/4015Q and VPL-S800U, VPD-S1800Q

- One in/two out signal distributor with 100MHz bandwidth*2
- Converts digital signal level to analog signal level for output
- Sync output mode selection

Inputs: (Open for an optional IFB Series input module)
 Output: BNC ×5 (×2)
 Phono (×2)
 (stereo or monaural selectable)
 Bandwidth: 120 MHz (-3 dB)
 Power requirements: AC 120 V, 50/60 Hz
 Dimensions: 180 (W) × 105 (H) × 185 (D) mm
 (7¹/₈ × 4¹/₄ × 7³/₈ inches)
 Mass: 3 kg (6 lb 9.8 oz)
 Supplied accessories:
 AC power cord
 Operation manual



*1 IFU-1271 is not available in some areas. Please consult your nearest Sony office.

*2 The output signal from IFB-1000 is the same as the input. The output signal from IFB-1200 can be changed according to the selection switch on the board (component/RGB).

IFU-SC50

Interface Unit for the VPL-SC50U/ XC50U/S600U/X600U/S900U/X1000U

- Two input, one output signal selector - allows two computers to be simultaneously connected to one projector
- Built-in mouse receiver for wireless mouse control

Inputs/Outputs

INPUT 1/2:
 HD D-sub 15-pin (female)
 OUTPUT: HD D-sub 15-pin (male)
 Mouse IN: Square 13-pin (female)
 Audio IN/OUT:
 Stereo mini jack

Frequency response:

Up to fH: 80 kHz
 (SXGA 1280 × 1024, fV: 75 Hz)
 Cable length: 0.5 m (19 3/4 inches)
 Dimensions: 108 (W) × 48.5 (H) × 108 (D) mm
 (4 3/8 × 1 15/16 × 4 3/8 inches)
 Mass: Approx. 370 g (13 oz)



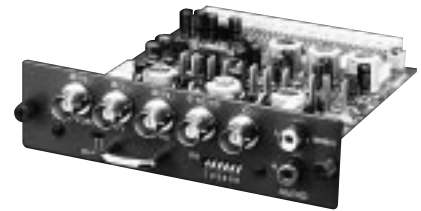
IFB-12A

Interface Board for VPH-G90U/ G70Q/D50Q, RVP-6010Q, VPL-X2000U, PC-1271/3000 and IFU-1271

- Accepts analog RGB, component (Y/R-Y/B-Y), HDTV (Y/Pb/Pr, GBR), composite video and Y/C video signals
- RGB bandwidth of 300 MHz -3 dB
- Cable compensation function for output signals (150 MHz)

Inputs/Outputs

Video: BNC (5)
 Audio: Phono (2)
 (stereo or monaural selectable)
 Dimensions: 129 (W) × 35 (H) × 138 (D) mm
 (5 1/8 × 1 7/16 × 5 1/2 inches)
 Mass: Approx. 200 g (7 oz)



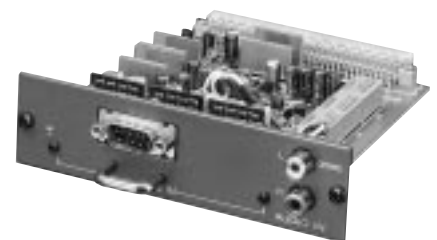
*For input only. Acceptable signals vary according to the connected projector.

IFB-20*

Interface Board for VPH-G90U/ G70Q/D50Q, RVP-6010Q/4015Q, VPL-S800U, VPD-S1800Q and PC-1271/IFU-1271

Inputs

RGB: Analog, D-sub 9-pin (male)
 AUDIO: Phono
 (stereo or monaural selectable)
 Dimensions: 129 (W) × 35 (H) × 138 (D) mm
 (5¹/₈ × 1⁷/₁₆ × 5¹/₂ inches)
 Mass: 170 g (6.0 oz)



*IFB-20 is not available in some areas. Please consult your nearest Sony office.

2-5 Projector accessories

IFB-21

Interface Board for VPH-G90U/
G70Q/D50Q, RVP-6010Q/4015Q,
VPL-S800U, VPD-S1800Q and
PC-1271/IFU-1271

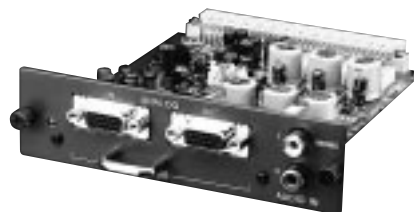
- RGB bandwidth of 150 MHz

Inputs

RGB: Analog, HD D-sub 15-pin
AUDIO: Phono
(stereo or monaural selectable)

Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5 $\frac{1}{8}$ × 1 $\frac{7}{16}$ × 5 $\frac{1}{2}$ inches)

Mass: Approx. 200 g (7 oz)



IFB-40

Interface Board for VPH-G90U/
G70Q/D50Q and PC-3000

- 14-pin multi-connector input/output board (for SIC-M/CCQ cable)
- Used to connect projector to signal interface switcher PC-3000*
- RGB bandwidth of 70 MHz
- Cable compensation function for output signal (70 MHz)

*The IFB-40 can also be used to connect the VPH-G90U to the interface switcher PC-1271 with 5 BNC mode

Inputs/Outputs:

14-pin multi connectors
(Input: male, Output: female)

Power requirements:

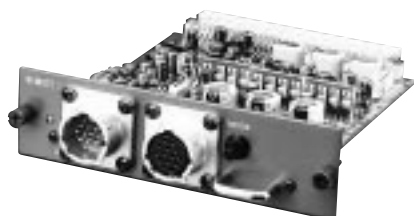
DC 12 V

Power consumption:

Max. 2 W

Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5 $\frac{1}{8}$ × 1 $\frac{7}{16}$ × 5 $\frac{1}{2}$ inches)

Mass: Approx. 200 g (7 oz)



DISPLAY
PRODUCTS

IFB-50

Interface Board for VPH-G90U/
G70Q/D50QM, RVP-6010Q,
VPL-X2000U, PC-1271/3000 and
IFU-1271

- Component SDI
- Serial Digital Interface board for SMPTE-259 M-C/ITU-R BT656-3 4:2:2 video signals
- IFB-50 manages video signals only. Serial digital audio signals are not supported.

Inputs/Outputs

In: BNC, Component SDI
Out: BNC, Active loop-through

Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5 $\frac{1}{8}$ × 1 $\frac{7}{16}$ × 5 $\frac{1}{2}$ inches)

Mass: Approx. 200 g (7 oz)



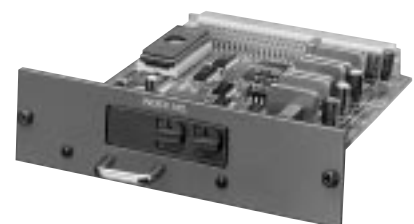
IFB-101

Interface Board for RVP-6010Q/
4015Q and PC-1271

- Index control for maximum of 100 projectors
- Automatic power on/delayed power on function

Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5 $\frac{1}{8}$ × 1 $\frac{7}{16}$ × 5 $\frac{1}{2}$ inches)

Mass: 0.15 kg (5.3 oz)



2-5 Projector accessories

IFB-1000*1

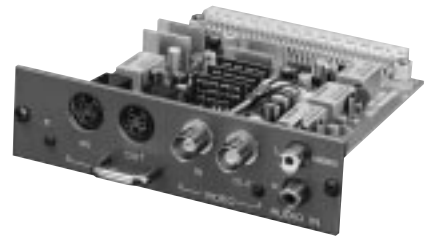
Interface Board for VPH-G90U/
G70Q/D50Q, RVP-6010Q/4015Q,
VPL-S800U, VPD-S1800Q and
PC-1271/IFU-1271

Inputs

Composite*2: Loop-through BNC
Y/C*2: Loop-through 4-pin mini DIN
Audio: Phono
(stereo or monaural selectable)
Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5¹/₈ × 1⁷/₁₆ × 5¹/₂ inches)
Mass: 160 g (5.6 oz)

*1 Supplied with the RVP-4015Q.

*2 The Y/C IN has priority over the Composite IN.



IFB-1200

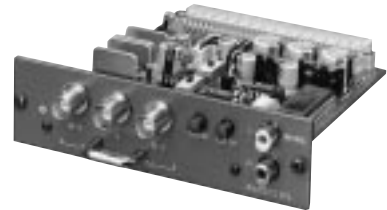
Interface Board for VPH-G70Q/
D50Q, RVP-6010Q/4015Q,
VPL-S800U*, VPD-S1800Q and
PC-1271/IFU-1271

•Can provide component input to a projector

Inputs

Component: BNC (x3)
(Y/R-Y/B-Y)
Audio: Phono
(stereo or monaural selectable)
Dimensions: 129 (W) × 35 (H) × 138 (D) mm
(5¹/₈ × 1⁷/₁₆ × 5¹/₂ inches)
Mass: 0.18 kg (6.3 oz)

*Component (Y/R-Y/B-Y) input capability can be attained with IFB-12.



IFB-1301

Interface Board for VPH-G70Q/
D50Q, RVP-6010Q/4015Q,
VPD-S1800Q and PC-1271/IFU-1271

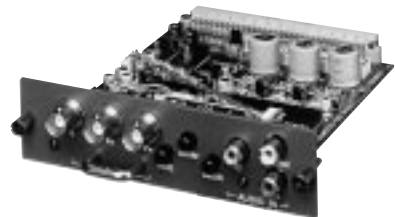
•HD (Y/P_B/P_R) input •Converts Y/P_B/P_R signals to RGB signals •Color, Hue and Sharpness adjustment available •Audio (Left (Mono)/Center/Right) input

Inputs

HD: BNC
Y (luminance): 1 V_{p-p} ± 2 dB, 75Ω
P_B/P_R (component): ± 0.35 V_{p-p}, 75Ω

Output

G/Y: 1 V_{p-p} ± 2 dB, 75Ω
B/R: 0.7 V_{p-p} ± 2 dB, 75Ω
P_B/P_R: 0.35 V_{p-p}, 75Ω
Audio*: Phono (stereo/monaural)
250 mV rms, impedance more than 47kΩ
Dimension: 129(W) × 35(H) × 138(D) mm
(5¹/₈ × 1⁷/₁₆ × 5¹/₂ inches)
Mass: 200 g (7 oz)



2-5 Projector accessories

IFB-3000

Interface Board for RVP-4015Q and PC-1271

- Designed for installation in the PC-1271 Signal Interface Switcher or RVP-4015Q
- Doubles the number of horizontal scanning lines to minimize line-flicker and reduce the visibility of scanning lines
- Contains four inputs; three composite video or Y/C inputs, each with an associated two channel audio input, and one component (Y/R-Y/B-Y) input with two channel audio
- Digital frame memory circuit for improved picture reproduction
 - Detects motion in a picture during the line doubling process for natural reproduction of moving pictures
 - Digital Noise Reducer
 - Aperture correction function for enhanced picture edges, vertically as well as horizontally
 - Three-dimensional Comb Filter for clear luminance/chrominance separation, with choice of either line or frame comb filtering
- Compatible with NTSC/PAL/SECAM/NTSC^{4.43}*1

Specifications

General

Color system: NTSC/PAL /SECAM/NTSC^{4.43} (automatically selected)

Sampling frequency: 14.3 MHz

Power requirements: DC 12V (supplied from the PC-1271 or RVP-4010Q)

Power consumption: Approx. 20 W

Dimensions: 141 (W) × 129 (H) × 138 (D) mm (4⁵/₈ × 5¹/₈ × 5¹/₂ inches)

Mass: 870 g (1 lb 15 oz)

Inputs

VIDEO

VIDEO 1 to 3

Composite video*2:

BNC

1Vp-p, sync negative, 75Ω

Y/C*2: 4-pin mini DIN

Y (luminance): 1 Vp-p, sync negative, 75Ω

C (chrominance): 0.286 Vp-p

(NTSC),

0.3 Vp-p

(PAL),75Ω

VIDEO 4

Y/R-Y/B-Y*3: BNC

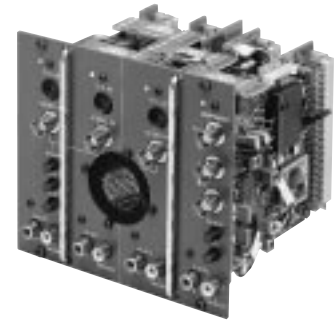
R-Y/B-Y: 0.7 Vp-p, 75Ω

Y:1.0 Vp-p,

sync negative, 75Ω

AUDIO

Phono (stereo or monaural selectable)



*1 The NTSC^{4.43} system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43 MHz.

*2 The Y/C inputs have priority over the composite video inputs.

*3 525/60 system: video amplitude 100/0/75 color bars.

625/50 system: video amplitude 100/0/100 color bars.

EXB-DS10

Extension Board for VPH-G70Q/D50Q

- Line doubler signal processing board designed to be fitted in the VPH-G70Q/D50Q
- Compatible with composite video, Y/C video, component and 15kHz RGB signals
- Aperture is adjustable horizontally and vertically to achieve crisp image reproduction with any type of input signal
- Line doubler signal processing can be turned ON and OFF via the remote commander or control panel
- Moving image correction circuitry is incorporated for natural reproduction of line-doubled fast-moving images

- Digital noise reducer incorporated
- Compatible with NTSC, PAL, SECAM, NTSC^{4.43} and PAL-M
- 3D comb filter or 3-line comb filter for NTSC and 3-line comb filter for PAL signals to reduce cross color and dot interference for clear image reproduction



EXB-5010

Extension Board for PC-3000

- Designed to connect an RGB monitor to the PC-3000
- Converts HDTV (GBR, Y/P_B/P_R) and component (Y/R-Y/B-Y) signals to RGB signal
- Color, Hue and Sharpness can be controlled with EXB-5010



2-5 Projector accessories

SIC-10

Signal Interface Cable for
VPH-G90U/G70Q/D50Q,
RVP-6010Q/4015Q, VPL-S800U,
VPL-S1800Q and PC-1271

Connector: 5BNC/5BNC
Length: 10 m (32.8 ft)



SIC-20A/20C

Signal Interface Cable for VPH-G90U/
G70Q/D50Q, RVP-6010Q/4015Q,
VPL-S800U, VPD-S1800Q and PC-1271

- SIC-20A for Macintosh II Series
- SIC-20C for Power Macintosh, Macintosh LC, PowerBook, Quadra and Centris

Connector: D-sub 15-pin to local monitor (female)
D-sub 15-pin to computer (male)
D-sub 9-pin to IFB-20 (female)
Length: 2 m (6.6 ft) overall, 0.2 m (0.7 ft) branch



SIC-20C

SIC-21

Signal Interface Cable for VPH-G90U/
G70Q/D50Q, RVP-6010Q/4015Q,
VPL-S800U, VPD-S1800Q and PC-1271

Connector: D-sub 9-pin to local monitor (female)
D-sub 9-pin to computer (male)
D-sub 9-pin to IFB-20 (female)
Length: 2 m (6.6 ft) overall, 0.2 m (0.7 ft) branch



SIC-22

Signal Interface Cable for VPH-G90U/
G70Q/D50Q, RVP-6010Q/4015Q,
VPL-S800U, VPD-S1800Q and PC-1271

Connector: High Density 15-pin to local monitor (female)
High Density 15-pin to computer (male)
D-sub 9-pin to IFB-20 (female)
Length: 2 m (6.6 ft) overall, 0.2 m (0.7 ft) branch



2-5 Projector accessories

SIC-S20/S21/S22

Mouse Cables for VPL-X1000U/S900U/X600U/
S600U/XC50U/SC50U

•Enables operation of a connected computer with the
RM-PJM600.

Connector:

SIC-S20 for Macintosh

mini DIN 4-PIN (male) to computer

Square 13-PIN (male) to MOUSE port of a projector

SIC-S21 for Serial

D-sub 9-PIN (male) to Sereal port

Square 13-PIN (male) to MOUSE port of a projector

SIC-S22 for PS/2 (IBM PC/AT compatible) and Macintosh

mini DIN 6-PIN (male) to PS/2 port

Square 13-PIN (male) to MOUSE port of a projector

Length: 2 m (6.6 ft)



SIC-S20/S22



SIC-S21

SMF-400

Signal Cable for VPH-G70Q/D50Q,
VPL-X1000U/S900U/X600U/S600U/
S500U/XC50U/SC50U

Connector: HD D-sub 15-pin (male) to BNC x
5 (male)

Length: 2 m (6.6 ft)



DISPLAY
PRODUCTS

SMF-401

Signal Cable for VPH-G70Q/D50Q,
VPL-X1000U/S900U/X600U/S600U/
S500U/XC50U/SC50U

Connector: HD D-sub 15-pin (male) to HD D-sub
15-pin (male)

Length: 2 m (6.6 ft)



SMF-402

Signal Cable for VPL-X1000U/S900U/
X600U/S600U/S500U/XC50U/SC50U

Connector: HD D-sub 15-pin (male) to Phono x 3
(male)

Length: 5 m (16.4 ft)



2-5 Projector accessories

RM-PJ10

Remote Control Receiver for VPH-G90U/G70Q/D50Q,
RVP-6010Q/4015Q and VPL-X2000U/S800U/S500U/W400
and VPD-S1800Q

Power requirements:

DC 6 V

Dimensions: 100 (W) × 50 (H) × 57 (D) mm
(4 × 2 × 2¹/₄ inches)
(including mounting bracket)

Mass: 0.1 kg (3.5 oz)
(including mounting bracket)

Supplied accessories:

Remote control cable: 15 m (45 feet)
Screws



RM-PJ21

Mouse Receiver for
VPH-G70Q*/D50Q*, RVP-6010Q*/
4015Q*, VPL-S800U*/S500U*² and
VPD-S1800Q*¹

•Enables operation of a connected
computer with the RM-PJM800 or
RM-PJM500

Dimensions: 75 (W) × 41.8 (H) × 79.5 (D) mm
(3 × 1¹¹/₁₆ × 3¹/₄ inches)

Mass: 140 g (5 oz)



RM-PJ21

*1 Should be utilized with the RM-PJM800.

*2 Supplied with the VPL-S500U.

RM-PJD50

Remote Commander for
VPH-D50HTU*/G90U

•Card type design
•Power on/off and input selection operation
•Direct video memory selection

Power requirements:

CR2025 lithium battery (1)

Dimensions: 54 (W) × 86 (H) × 6.5 (D) mm
(2¹/₄ × 3¹/₂ × 9³²/₃₂ inches)

Mass: Approx. 21.7 g (0.8 oz)

*The RM-PJD50 is supplied with the VPH-D50HTU.



RM-PJM800

Remote Commander for VPH-G70Q/
D50Q, RVP-6010Q*/4015Q*/
511DS*/411DS*, VPL-S800U*²/
S500U*/W400Q*³ and VPD-S1800Q*²

•Wireless remote control unit for
presentations
•Can also be used to control the PC-1271
•Power on/off and input selection operation
•Computer mouse control when used with
RM-PJ21

Power requirements:

DC 5V (Size AA (R6) battery × 2)

Dimensions: 45.5 (W) × 22.5 (H) × 215.5 (D) mm
(1¹³/₁₆ × 2⁹/₃₂ × 8¹/₂ inches)

Mass: 94 g (3 oz)

*1 For mouse function and input selection only.

*2 RM-PJM800 is supplied with the VPD-S1800Q,
VPL-S800U.

*3 Mouse function is not applicable for VPL-W400Q.



2-5 Projector accessories

RM-PJ1001

**Remote Commander for
VPH-G90U/G70Q/G70VRU/D50Q/
D50HTU*, RVP-6010Q and
VPL-X2000U/X1000U/S900U/X600U/
S600U/S500U/W400Q**

- Wired/wireless remote control unit for setup and operation
- Full remote operation
- System set up (SYS SET) key for use with PJ COM (RS-485) system
- Keys can be illuminated for operation in dark rooms

Power requirements:

DC 5 V (Size AA (R6) battery (3))

Dimensions: 165 (W) × 35 (H) × 141 (D) mm
(6 1/2 × 1 7/16 × 5 3/4 inches)

Mass: Approx. 285 g (10 oz)

*The RM-PJ1001 is supplied with the VPH-D50HTU/G90U.



RM-PJ3000S

**Remote Commander for
VPH-G90U/G70Q/G70VRU/D50Q,
RVP-6010Q and VPL-X2000U**

- Wireless remote control unit for simple remote control
- Function keys can be illuminated for operation in dark rooms
- Equipped with a laser pointer for use in presentations

Laser beam

Laser type: Class II

Wave length: 645 nm

Output: 1 mW

Power requirements:

DC 3 V (Size AA (R6) battery (2))

Dimensions: 45 (W) × 24 (H) × 178 (D) mm
(1 13/16 × 3 1/2 × 7 1/8 inches)

Mass: Approx. 93 g (3.3 oz)



DISPLAY
PRODUCTS

VPS-50C

Portable Screen

| | VPS-50C |
|--------------|---|
| Screen size | 50-inch |
| Construction | Beaded glass flat screen |
| Dimensions | Folded: 870 (W) × 88 (H) × 80 (D) mm (34 3/8 × 3 1/2 × 3 1/4 inches) Assembled: 1131 (W) × 870 (H) × 240 (D) mm |
| Mass | 2.3 kg (5 lb) |



VPS-80C

Projector Screen

| | VPS-80C |
|--------------|---|
| Screen size | 80-inch |
| Construction | Beaded glass flat screen |
| Dimensions | Folded: 1860 (W) × 100 (H) × 107 (D) mm (73 1/4 × 4 × 4 1/4 inches) Assembled: 1860 (W) × 2100 (H) × 220 (D) mm (73 1/4 × 82 3/4 × 8 3/4 inches) |
| Mass | 6.0 kg (13 lb 4 oz) |



2-5 Projector accessories

VPS-120FH/100FH

Video Screen

| | VPS-120FH | VPS-100FH |
|--------------|---|--|
| Screen size | 120-inch | 100-inch compatible |
| Construction | Beaded glass high-efficiency flat screen with winding mechanism | |
| Dimensions | 2780(W) × 2545(H) mm (109½ × 100¼ inches) | 2200(W) × 1765(H) mm (86¾ × 69½ inches) |
| Mass | 21 kg (46 lb 5 oz) | 8 kg (17 lb 10 oz) |



VPS-702R

70-inch Rear Screen

| | VPS-702R |
|--------------|--|
| Screen size | 70-inch |
| Screen pitch | 0.72 mm (1/32 inches) |
| Construction | Rear projection, 70-inch acrylic plastic screen, Fresnel, lenticular type with Black stripe |
| Dimensions | Max. outer size: 1465(W) × 1110(H) × 4(D) mm (57¾ × 43⅜ × 3/16 inches) Valid screen size: 1427(W) × 1070(H) mm (56¼ × 42¼ inches) |
| Mass | 7.9 kg (17 lb 7 oz) |



DISPLAY
PRODUCTS

VPF-701R

Rear Screen Frame for VPS-702R

Dimensions: Outer size:
1597(W) × 1240(H) × 30(D)mm
(63 × 48⅞ × 1⅜ inches)
Inner size:
1427(W) × 1070(H)mm
(56¼ × 42¼ inches)
Mass: 8.5kg (18 lb 11.8 oz)
Supplied accessories:
Bracket, screws

2-5 Projector accessories

PSS-10/70/90/500/600/722/800/2000

Suspension Support:

PSS-10 for PSS-70/90/722/800/1270

PSS-70 for VPH-G70Q/G70VRU/D50Q/D50HTU and VPD-S1800Q

PSS-90 for VPH-G90U

PSS-500 for VPL-S500Q/W400Q

PSS-600 for VPL-X1000U/S900U/X600U/S600U

PSS-722 for VPH-V20U

PSS-800 for VPL-S800U

PSS-2000 for VPL-X2000U

1. Direct installation on the ceiling – PSS-70/90/500/600/722/800/2000
2. Installation on the ceiling (height adjustable) – PSS-10 + PSS-70 or PSS-90 or PSS-722 or PSS-800 or PSS-2000

| | |
|-------|-------------------------------|
| Mass: | PSS-10: 10.3 kg (22 lb 11 oz) |
| | PSS-70: 9 kg (19 lb 13 oz) |
| | PSS-90: 15 kg (33 lb 11 oz) |
| | PSS-500: 3.0 kg (6 lb 10 oz) |
| | PSS-600: 2.7 kg (5 lb 15 oz) |
| | PSS-722: 1.8 kg (3 lb 15 oz) |
| | PSS-800: 6.5 kg (14 lb 15 oz) |
| | PSS-2000: 5.5 kg (12 lb 2 oz) |



PSS-10



PSS-70



PSS-90



PSS-600



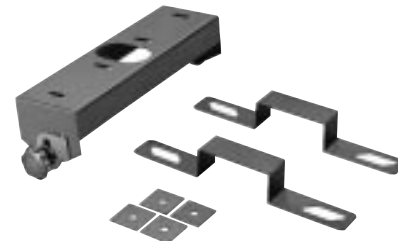
PSS-500



PSS-2000



PSS-800



PSS-722

2-5 Projector accessories

VPHL-9270

Projection Lens for VPH-G90U

- Can be used for screen size of 70 to 90 inches

F1.2/157 mm

Dimensions: 181 (W) × 181 (H) × 232 (D) mm
(7¹/₄ × 7¹/₄ × 9¹/₄ inches)

Mass: 5.4 kg (11 lb 14 oz)



PK-PJ500*

Projector Lamp (for replacement) for VPL-S500U/W400Q

- 250W metal halide lamp

Dimensions: 104 (W) × 122 (H) × 115 (D) mm
(4¹/₈ × 4⁷/₈ × 4⁵/₈ inches)

Mass: 390 g (14 oz)



*PK-PJ500 is not available in some areas. Please consult your nearest Sony office.

LMP-600

Projector Lamp (for replacement) for VPL-X1000U/S900UX600U/ S600U/XC50U/SC80U

- 120 W UHP compact lamp

Dimensions: 75 (W) × 105 (D) × 83.5 (H) mm
(2⁵/₁₆ × 4¹/₈ × 3⁵/₁₆ inches)

Mass: Approx. 210 g (7.4 oz)



PK-PJ800*

Projector Lamp (for replacement) for VPL-S800U

- 400W metal halide lamp

Dimensions: 140 (W) × 142 (H) × 147 (D) mm
(5⁵/₈ × 5⁵/₈ × 5⁷/₈ inches)

Mass: 820 g (1 lb 13 oz)



*PK-PJ800 is not available in some areas. Please consult your nearest Sony office.

2-5 Projector accessories

PK-PJ1800

**Projector Lamp (for replacement)
for VPD-S1800Q**

•1kW Xenon lamp

Dimensions: 105 (W) × 156 (D) × 100 (H) mm
(4¹/₄ × 6¹/₄ × 4 inches)

Mass: Approx. 1900 g (4 lb 3 oz)



LMP-Q2000

**Quad Projector Lamp (for replacement)
for VPL-X2000U**

•Four 120 W UHP lamps

Dimensions: 220 (W) × 105 (H) × 147 (D) mm
(8 ³/₄ × 4 ¹/₄ × 5 ⁷/₈ inches)

Mass: 1.4 kg (3 lb)



LMP-S2000

**Projector Lamp (for replacement)
for LMP-Q2000**

•120 W UHP lamp

Dimensions: Approx. 70 (W) × 84 (H) × 65 (D) mm

(2 ⁷/₈ × 3 ³/₈ × 2 ⁵/₈ inches)

Mass: 140 g (5 oz)

SU-PJ800

**Projector Stand (for twin stacking)
for VPL-S800U**

Dimensions: 582 (W) × 479 (H) × 640 (D) mm
(23 × 18⁷/₈ × 25¹/₄ inches)

Mass: 24 kg (52 lb 15 oz)



2-5 Projector accessories

SU-PJ2000

Projector Stand (for twin and triple stacking) for VPL-X2000U

Dimensions: 840 (W) × 360 (H) × 840 (D) mm
(33 1/8 × 14 1/4 × 33 1/8 inches)
Mass: Approx. 32 kg (70 lb 6 oz)



VLC-1040

Carrying Case for VPH-V20U

•Suitable for transportation or storage

Dimensions: 640 (W) × 810 (H) × 355 (D) mm
(25 1/4 × 32 × 14 inches)
Mass: 10 kg (22 lb 1 oz)



VLC-500

Carrying Case for VPL-S500U/W400Q

•Soft case with handle and casters
•Can store the mouse receiver and cables

Dimensions: 430 (W) × 622 (H) × 298 (D) mm
(17 × 24 1/2 × 11 3/4 inches)
Mass: Approx. 4.5 kg (9 lb 15 oz)



VLC-600

Carrying Case for VPL-X1000U/S900U/X600U/S600U

•Soft case with removable strap and grip
•Can store peripherals with projector

Dimensions: 358 (W) × 361 (H) × 138 (D) mm
(14 1/8 × 14 1/8 × 6 5/8 inches)
Mass: Approx. 1.4 kg (3 lb 1 oz)



2-5 Projector accessories

VLC-SC50

Carrying Case for VPL-XC50U/SC50U

- Soft case with strap and easy opening double fasteners
- Can store projector, peripherals and a notebook PC

Dimensions: 320 (W) × 250 (H) × 200 (D) mm
(12 5/8 × 9 7/8 × 7 7/8 inches)

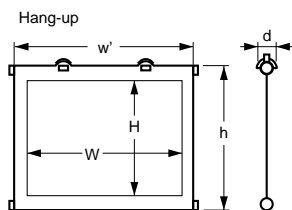
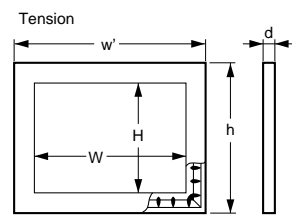
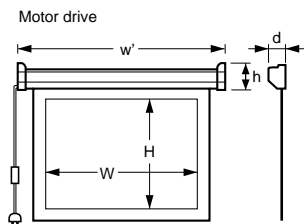
Mass: Approx. 0.8 kg (1 lb 12 oz)

*Not available in some areas. For further details, please contact your nearest Sony office.



VPE/VPL/VPM series (by Aurora) Video Screen

| Type | Model name | Material | Screen size (W × H)mm | Dimensions (W × H × D)mm | Mass (kg) | Screen seam |
|-------------|--------------------|--------------------------|---------------------------------|---|-----------|----------------|
| Motor drive | VPE-150 (150-inch) | micro beads on white mat | 3048 × 2286 (120 × 90.0 inches) | 3455 × 150 × 118 (136 × 5.9 × 4.6 inches) | 26 | horizontal (1) |
| | VPE-170 (170-inch) | micro beads on white mat | 3454 × 2591 (136 × 102 inches) | 3862 × 150 × 118 (152 × 5.9 × 4.6 inches) | 30 | horizontal (1) |
| | VPE-200 (200-inch) | micro beads on white mat | 4064 × 3048 (160 × 120 inches) | 5812 × 310 × 248 (228.8 × 12.2 × 9.8 inches) | 129 | horizontal (1) |
| | VPE-220 (220-inch) | micro beads on white mat | 4470 × 3353 (176 × 132 inches) | 6238 × 310 × 248 (245.6 × 12.2 × 9.8 inches) | 140 | horizontal (1) |
| | VPE-250 (250-inch) | micro beads on white mat | 5080 × 3810 (200 × 150 inches) | 6928 × 310 × 248 (272.8 × 12.2 × 9.8 inches) | 150 | horizontal (2) |
| Tension | VPL-150 (150-inch) | micro beads on white mat | 3048 × 2286 (120 × 90 inches) | 3448 × 2286 × 55 (135.8 × 90 × 2.2 inches) | 36 | vertical (1) |
| | VPL-170 (170-inch) | micro beads on white mat | 3454 × 2591 (136 × 102 inches) | 3854 × 2991 × 55 (151.7 × 117.7 × 2.2 inches) | 41 | vertical (1) |
| | VPL-200 (200-inch) | micro beads on white mat | 4064 × 3048 (160 × 120 inches) | 4664 × 3648 × 55 (183.6 × 143.6 × 2.2 inches) | 48 | vertical (2) |
| | VPL-220 (220-inch) | micro beads on white mat | 4470 × 3353 (176 × 132 inches) | 5070 × 3953 × 55 (199.6 × 155.6 × 2.2 inches) | 53 | vertical (2) |
| | VPL-250 (250-inch) | micro beads on white mat | 5080 × 3810 (200 × 150 inches) | 5680 × 4410 × 55 (223.6 × 173.6 × 2.2 inches) | 60 | vertical (2) |
| Hang-up | VPM-150 (150-inch) | micro beads on white mat | 3048 × 2286 (120 × 90 inches) | 3292 × 2456 × 35 (129.6 × 96.7 × 1.4 inches) | 9.5 | horizontal (1) |
| | VPM-170 (170-inch) | micro beads on white mat | 3454 × 2591 (136 × 102 inches) | 3698 × 2761 × 35 (145.6 × 108.7 × 1.4 inches) | 11 | horizontal (1) |
| | VPM-200 (200-inch) | micro beads on white mat | 4064 × 3048 (160 × 120 inches) | 4584 × 3488 × 35 (180.5 × 137.3 × 1.4 inches) | 12 | horizontal (1) |
| | VPM-220 (220-inch) | micro beads on white mat | 4470 × 3353 (176 × 132 inches) | 5010 × 3813 × 35 (197.2 × 150.1 × 1.4 inches) | 13 | horizontal (1) |
| | VPM-250 (250-inch) | micro beads on white mat | 5080 × 3810 (200 × 150 inches) | 5700 × 4350 × 35 (224.4 × 171.2 × 1.4 inches) | 15 | horizontal (2) |



2-6 Lenses for LCD projectors

VPLL-FM100

Projection Lens for VPL-W400Q

- Fixed long focal lens

f130mm/F3.0

Screen coverage:

40 to 300-inch

Throwing distance:

VPL-W400Q (16:9)

100-inch: 9570mm

200-inch: 19140mm

VPL-W400Q (4:3)

100-inch: 11750mm

200-inch: 23490mm

Dimensions: 95(W) × 85(H) × 175(D)mm

(3³/₄ × 3³/₈ × 7 inches)

Mass: 670g (1 lb 8 oz)



VPLL-ZM100

Projection Lens for VPL-X1000U/ S900U/X600U/S600U/S500U/W400Q

- 2 times zoom long focus lens

Lens: f72.3-141.0 mm/F3.0-4.6

Screen coverage:

VPL-W400Q (16:9)

90-300 inches

VPL-W400Q (4:3)

80-250 inches

VPL-S500U/X600U/S600U

80-300 inches

Throwing distance:

VPL-W400Q (16:9)

100-inch: 5330-10120 mm

200-inch: 10820-20260 mm

VPL-W400Q (4:3)

100-inch: 6580-12420 mm

200-inch: 13310-24870 mm

VPL-S500U/X600U

100-inch: 5500-10430 mm

200-inch: 11150-20880 mm

VPL-S600U

100-inch: 5720-10840 mm

200-inch: 11600-21710 mm

Dimensions: Ø 86 mm, length 233.8 mm

(Ø3¹/₂, length 9⁷/₃₂ inches)

Mass: Approx. 1650 g (3 lb 10 oz)



VPLL-FM30

Projection Lens for VPL-X1000U/ S900U/X600U/S800U/S600U/S500U/ W400Q

- Fixed short focus lens

Lens: f37 mm/F3.5

Screen coverage:

VPL-W400Q (16:9)

40-300 inches

VPL-W400Q (4:3)

40-240 inches

VPL-S500U/S800U/X600U

40-290 inches

VPL-S600U

40-270 inches

Throwing distance: VPL-W400Q (16:9)

100-inch: 2700 mm

200-inch: 5470 mm

VPL-W400Q (4:3)

100-inch: 3330 mm

200-inch: 6720 mm

VPL-S500U/S800U/X600U

100-inch: 2790 mm

200-inch: 5640 mm

VPL-S600U

100-inch: 2900 mm

200-inch: 5860 mm

Dimensions: Ø120 mm, length 209 mm

(Ø4³/₄, length 8¹/₄ inches)

Mass: Approx. 2100 g (4 lb 10 oz)



VPLL-FM20

Projection Lens for VPL-X1000U/ S900U/X600U/S800U/S600U

- Fixed short focus lens
- For rear projection

Lens: f24.24 mm/F3.0

Screen coverage:

VPL-X600U/S800U

50-200 inches

VPL-S600U

50-190 inches

Throwing distance:

VPL-X600U/S800U

100-inch: 1790 mm

200-inch: 3640 mm

VPL-S600U

100-inch: 1860 mm

190-inch: 3600 mm

Dimensions: Ø120 mm, length 204 mm

(Ø4³/₄, length 8¹/₃₂ inches)

Mass: Approx. 1530 g (3 lb 6 oz)



2-6 Lenses for LCD projectors

VPLL-ZP100

Projection Lens for VPL-S800U

- 2 times zoom long focus lens

Lens: f72.3-141.0 mm/F3.0-4.6
Screen coverage:
80-300 inches
Throwing distance:
100-inch: 5500-10430 mm
200-inch: 11150-20880 mm
Dimensions: Ø86 mm, length 233.8 mm
(Ø3¹/₂, length 9⁷/₃₂ inches)
Mass: Approx. 1700 g (3 lb 12 oz)



VPLL-ZP40

Projection Lens for VPL-S800U

- 1.5 times zoom long focus lens

Lens: f50-75 mm/F2.5-3.1
Screen coverage:
40-300 inches
Throwing distance:
100-inch: 3820-5580 mm
200-inch: 7730-11250 mm
Dimensions: Ø86 mm, length 183.2 mm
(Ø3¹/₂, length 7⁷/₃₂ inches)
Mass: Approx. 1300 g (2 lb 14 oz)



DISPLAY
PRODUCTS

VPLL-2009

Projection Lens for VPL-X2000U

- Fixed short focus lens

Lens: f34.2mm/F3.0
Screen coverage:
40-500 inches
Throw ratio: 0.89:1
Throwing distance
40-inch: 640 mm
100-inch: 1,800 mm
300-inch: 5,670 mm
Dimensions: Ø 116.1 mm, length 301.4 mm
(Ø 4 5/8, length 11 7/8 inches)
Mass: 4.2 kg (9 lb 4 oz)



VPLL-2014

Projection Lens for VPL-X2000U

- Fixed short focus lens

Lens: f51.9mm/F3.0
Screen coverage:
40-500 inches
Throw ratio: 1.36:1
Throwing distance
40-inch: 1,030 mm
100-inch: 2,760 mm
300-inch: 8,520 mm
Dimensions: Ø 120 mm, length 290.9 mm
(Ø 4 3/4, length 11 1/2 inches)
Mass: 4.9 kg (10 lb 12 oz)



2-6 Lenses for LCD projectors

VPLL-2075

Projection Lens for VPL-X2000U

- Fixed long focus lens

Lens: f269.1mm/F3.5
Screen coverage:
80-500 inches
Throw ratio: 7.38:1
Throwing distance
100-inch: 15,000 mm
200-inch: 29,830 mm
300-inch: 44,660 mm
Dimensions: Ø 95.3 mm, length 254.1 mm
(Ø 3 7/8, length 10 1/8 inches)
Mass: 3.1 kg (6 lb 13 oz)



VPLL-Z2019

Projection Lens for VPL-X2000U

- 1.3 times zoom standard focus lens

Lens: f71.0-92.3mm/F2.5-3.0
Screen coverage:
40-500 inches
Throw ratio: 1.9-2.4:1
Throwing distance
40-inch: 1,490-1,890 mm
100-inch: 3,870-4,880 mm
300-inch: 11,820-14,840 mm
Dimensions: Ø 82 mm, length 198 mm
(Ø 3 1/4, length 7 7/8 inches)
Mass: 2.4 kg (5 lb 4 oz)



VPLL-Z2025

Projection Lens for VPL-X2000U

- 1.6 times zoom long focus lens

Lens: f92.1-147.3mm/F2.6-3.5
Screen coverage:
80-500 inches
Throw ratio: 2.47-3.81:1
Throwing distance
100-inch: 5,020-7,750 mm
200-inch: 10,220-15,660 mm
300-inch: 15,430-23,580 mm
Dimensions: Ø 96 mm, length 262 mm
(Ø 3 7/8, length 10 3/8 inches)
Mass: 3.8 kg (8 lb 6 oz)



VPLL-Z2039

Projection Lens for VPL-X2000U

- 1.5 times zoom long focus lens

Lens: f144.4-216.5mm/F2.8-3.6
Screen coverage:
80-500 inches
Throw ratio: 3.93-5.65:1
Throwing distance
100-inch: 7,990-11,480 mm
200-inch: 16,150-23,120 mm
300-inch: 24,300-34,760 mm
Dimensions: Ø 78.6 mm, length 303.5 mm
(Ø 3 1/8, length 12 inches)
Mass: 4.1 kg (9 lb)



2-7 Lenses for DLP projector

VPDL-ZP80

Projection Lens for VPD-S1800Q

- 2 times zoom long focus lens

Lens: f52.5-105 mm/F3.0

Screen coverage:
100-600 inches

Throwing distance:
100-inch: 7790-15620 mm
300-inch: 23480-46990 mm
500-inch: 39170-78370 mm

Dimensions: 54(D min) × 86(D max) × 160(H)
mm

(2¹/₄ × 3¹/₂ × 6³/₈ inches)

Mass: Approx. 870 g (1 lb 15 oz)



VPDL-ZP50

Projection Lens for VPD-S1800Q

- 1.5 times zoom long focus lens

Lens: f35-52.5 mm/F3.0

Screen coverage:
100-600 inches

Throwing distance:
100-inch: 5200-7860 mm
300-inch: 15660-23550 mm
500-inch: 26120-39240 mm

Dimensions: 54(D min) × 69(D max) × 155(H)
mm

(2¹/₄ × 2³/₄ × 6¹/₈ inches)

Mass: Approx. 770 g (1 lb 11 oz)



DISPLAY
PRODUCTS

VPDL-FP30

Projection Lens for VPD-S1800Q

- Fixed short focus lens

Lens: f17.5 mm/F3.0

Screen coverage:
100-600 inches

Throwing distance:
100-inch: 2600 mm
300-inch: 7830 mm
500-inch: 13060 mm

Dimensions: 53(D min) × 78(D max) × 155(H)
mm

(2¹/₈ × 3¹/₈ × 6¹/₈ inches)

Mass: Approx. 700 g (1 lb 7 oz)

