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

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 switches: 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-120FH\(^2\)
- 120-inch flat screen: VPS-120FH\(^2\)
- AA size battery (3)
- Adjustment plate
- Remote commander cable 15 m (Stereo Mini Jack)
- Infrared remote control receiver: RM-PJ10

Specifications

**General**

- Video signal system: CClR 625 lines, 50 fields/EIA 525 lines, 60 fields (switching of CClR to EIA or vice versa is automatically done)
- Color system: NTSC/PAL/SECAM/NTSC-4.43 automatically selected
- Brightness: ANSI\(^1\) 350 lm (H: 150kHz, fV: 50Hz, 6500 K)
- ANSI 130 lm (H: 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
- 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\(^\circ\) C (14 to 104\(^\circ\)F)
- Operating humidity: 35 to 85%

**Inputs/Outputs**

- Composite\(^2\): Loop-through BNC
- 1 Vp-p, ±2 dB sync negative, 75Ω automatic termination\(^4\)
- Y IN: BNC, 1 Vp-p ±2 dB sync negative, 75Ω automatic termination
- C IN: BNC, Burst 0.286 Vp-p ±2 dB (NTSC), 75Ω automatic termination

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\(^1\) 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 lumens\(^1\) (color temperature: 6500°K): 240 lm (fH: 110 kHz, fV: 50 Hz)
- Peak white: 1200 lm
- High resolution of 700 TV lines (video)/1100 TV lines (HDTV\(^*3\)): 1700 x 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
- Incorporates the Picture orbiting function
- Simplified operation for multi-projection
- Brightness and color uniformity adjustments
- Incorporates the Video memory available to facilitate set up
- Independent Key/Pin balance mode and 25-point zone adjustment
- Input memory
- Incredibly superb, stable picture performance
- Precise registration with the Video memory
- Operating temperature: 0 to 40 °C (32 to 104 °F)
- Power consumption: 750 W, Standby: 7 W
- Power requirements: AC 120 V, 50/60 Hz
- Heat dissipation: 2593.4 BTU/h
- 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) x 358 (H) x 398 (D) mm
- Mass: Approx. 83 kg (183 lb)

**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: 50 Hz, 6500K)
  - 200 lm (fH: 15 kHz, fV: 60 Hz, 6500K)
  - 1200 lm (peak white)
  - Throwing distance: 60-inch 1668 mm (5 ft 6 21/32 inches)
  - 70-inch 1921 mm (6 ft 3 3/8 inches)
  - 100-inch 2689 mm (8 ft 9 7/8 inches)
  - 120-inch 3200 mm (10 ft 6 5/8 inches)
  - 150-inch 3972 mm (13 ft 3 7/8 inches)
  - 200-inch 5254 mm (17 ft 2 1/2 inches)
  - 250-inch 6593 mm (21 ft 5/16 inches)
  - 300-inch 7831 mm (25 ft 8 5/16 inches)

- **Signals**
  - Color system: NTSC, PAL, SECAM, NTSC-4.43, PAL-M
  - Resolution: 1700TV lines (video)
  - 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/h
  - 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) x 358 (H) x 398 (D) mm
  - Mass: Approx. 83 kg (183 lb)

**Supplied accessories:**
- Remote commander RM-PJ1000
- Remote commander (control unit) (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
- Extension board EXB-DST1 (internal line doubler board)
- Interface unit IFU-1271
- Suspension support PSS-70
- Suspension support PSS-100
- Remote commander RM-PJ8000
- Infrared remote control receiver RM-PJ10
- Mouse receiver RM-PJ20
- Signal adapter ADP-10
- (HD-D-sub 15-pin to D-sub 9-pin for SIC cable)
- Signal adapter ADP-20 (Macintosh® to VGA)
- Monitor cable SMF-401 (HD D-sub 15-pin to HD D-sub 15-pin)
- Monitor cable SMF-400 (HD D-sub 15-pin to BNC)
- (D-sub 9-pin to D-sub 9-pin for RS-422A)
- 100-inch flat screen: VPS-120FH\(^*3\)
- 150-inch flat screen: VPS-150FH\(^*3\)
- 200-inch flat screen: VPS-200FH\(^*3\)

**Inputs/Outputs**

- **Video:**
  - Composite: Loop-through BNC
  - Y IN: 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/C IN: Loop-through Mini DIN 4-pin
  - C IN: Burst 0.286 Vp-p ± 2 dB sync negative, 75Ω
  - Y: 1 Vp-p ± 2 dB sync negative, 75Ω
  - Y: 1 Vp-p ± 2 dB sync negative, 75Ω
  - Y/C: Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω or 0.3 Vp-p ± 2 dB (PAL), 75Ω

- **Audio:**
  - Input A: BNC x 5
  - Analog RGB/Component:
    - R/Y: 0.7 Vp-p ± 2 dB positive, 75Ω
    - G: 0.7 Vp-p ± 2 dB positive, 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
    - Vertical sync: 0.6 to 8 Vp-p, high impedance, positive/negative
  - HDTV\(^*3\) (Y/Pn/Ps):
    - Y: 1 Vp-p ± 2 dB, 75Ω
    - Y: 1 Vp-p ± 2 dB, 75Ω
    - Y: 1 Vp-p ± 2 dB, 75Ω
    - C: 1 Vp-p ± 2 dB, 75Ω
    - C: 1 Vp-p ± 2 dB, 75Ω
    - C: 1 Vp-p ± 2 dB, 75Ω
  - HDTV\(^*3\) (G/B/R):
    - G: Tri-level sync: ± 0.3 Vp-p, Bi-level sync: ± 0.3 Vp-p
    - B/R: Tri-level sync: ± 0.3 Vp-p, Bi-level sync: ± 0.3 Vp-p
    - G: Tri-level sync: ± 0.3 Vp-p, Bi-level sync: ± 0.3 Vp-p
  - Power Off: 0 V
  - Power On: DC 5 V, output impedance 4.7 kΩ
  - Power Off: 0 V

**Supplied with an IFB-40:**
- 14-pin multi connector (input: male, output: female)

**CONTROL S**
- Plug in power: Stereo mini jack
- Power: 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)
- D-sub 9-pin (female)

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

**Safety regulations**
- UL 1950, CTSA950, DHHS, DNHW, FCC class A, IC class A
- \(^*3\) 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/NTSC4.43/PAL-M)
- Designed specifically for use in Virtual Reality and Simulation applications
- Deep focusing 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 for 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
- Black cabinet
- Simple adjustments
- Optimal 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
- 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-PJ8000
- 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 SMD-400 (HD D-sub 15-pin to 5 BNC)
- Monitor cable SMF-401 (HD D-sub 15-pin to HD)
- 9-pin remote cable RCC-SG/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422)
- 100-inch flat screen: VPS-120FH
- 120-inch flat screen: VPS-120FH

Specifications

Optical
- Projection system: 3 picture tubes, 3 lenses, direct projection system
- Projection lens: 8-inch (phosphor size 6-inch) high luminance, optical doubled, electromagnetic focus tubes
- Screen coverage*: 60 to 300 inches (viewable area, measured diagonally)
- Acceptable screen radius: Flat to 2500 mm radius
- Acceptable throw angle: -2 to +30°

Light output:
- ANSI*: 200 lm (fH: 115 Hz, fV: 60 Hz, 6500K)
- ANSI**: 170 lm (fH: 15 kHz, fV: 60 Hz, 6500K)
- Peak white: 1000 lm, All white: 290 lm
- Throwing distance: 60-inch 1668 mm (15 5/16 inches)
- 70-inch 1921 mm (6 ft 3 3/4 inches)
- 100-inch 2689 mm (8 ft 9 7/8 inches)
- 120-inch 3200 mm (10 ft 2 3/4 inches)
- 150-inch 3972 mm (13 ft 11/16 inches)
- 200-inch 5254 mm (17 ft 2 1/8 inches)
- 250-inch 6538 mm (21 ft 5 1/2 inches)
- 300-inch 7831 mm (25 ft 8 5/16 inches)

Signals
- Color system: NTSC, PAL, SECAM, NTSC4.43, PAL-M
- Resolution: 700 TV lines (video), 1100 TV lines (HDTV)

Scanning frequency:
- Horizontal: 15 to 110 kHz
- Vertical: 38 to 150 Hz
- RGB bandwidth: 120 MHz (3 dB)

Inputs/Outputs
- Input A
- Analog RGB/Component: BNC
- Y/P B/P R : BNC
- HDTV*1 (Y/P B/P R ): BNC
- HDTV*1 (GBR): BNC
- HDMI**: (Y/P B/P R ): BNC
- G with sync: 1.0 Vp-p ± 2 dB sync negative, 75 Ω
- B/B-Y: 0.7 Vp-p ± 2 dB, 75 Ω
- 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

Operating temperature: 0 to 40 °C (32 to 104 °F)
- Heat dissipation: 2559.4 BTU
- Operating humidity: 35 to 85%
- Storage temperature: -20 to 60 °C (-4 to 140 °F)
- Storage humidity: 10 to 90%

Dimensions: 695 (W) x 600 (H) x 600 (D) mm
Mass: Approx. 83 kg (183 lb)

Safety regulations
- UL 1950, cUL 950, DHHS, DNHW, FCC class A, IC class A
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, IV: 50 Hz)/130 lm (FH: 15 kHz, IV: 60 Hz), Peak white: 800 lm • High resolution of 700 TV lines (video)/1000 TV lines (HDTV*)/1280 x 1024 pixel (RGB in at FH: 64 kHz, IV: 60 Hz) • Wide RGB bandwidth of 75 MHz • 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

### Specifications

**General**
- Power consumption: 450 W, Standby: 7 W
- Power source: AC 120 V, 50/60 Hz
- 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)
- Heat dissipation: 1535.7 BTU
- Cooling: IC (Class B)
- Cooling: 1 Vp-p ± 2 dB, impedance 4.7kΩ
- Power On: DC 5 V, output impedance 4.7kΩ
- Power Off: 0 V

**Optical**
- Resolution: 700 TV lines (video)
- Scanning frequency: Horizontal: 15 to 64 kHz
- RGB bandwidth: 75 MHz-3 dB
- Picture tube: 7-inch (phosphor size 5.5-inch) static focus CRT
- Projection lens: Double focus, F1.0/135 mm
- Projection system: 3 picture tubes, 3 lenses, direct projection system
- Screen coverage: 60 to 250-inch measured diagonally, factory preset to 120-inch
- Throwing distance: 60-inch 1902 mm (6 ft 7 23/32 inches)
- 70-inch 2179 mm (7 ft 1 15/32 inches)
- 80-inch 2601 mm (8 ft 6 15/32 inches)
- Light output: ANSI*: 160 lm (FH: 64 kHz, IV: 50 Hz, 6500K)
- 130 lm (FH: 15 kHz, IV: 60 Hz, 6500K)
- 800 lm (peak white)

### Optional accessories:
- Interface board IFB-12/20/21/1000/1301*3
- Extension board EXB-DS10 (internal line-doubler board)
- Interface unit IFU-1271
- Suspension support PSB-10
- Remote commander RM-PJM800
- Infrared remote control receiver RM-PJ10
- Mouse receiver RM-PJ20
- Signal adapter ADP-10
- 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
- Mouse receiver cable (15 m)

### Input/Output

- 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

### Stored humidity
- 10 to 90%
- Dimensions: 603(W) x 345(H) x 671(D) mm
  - (23 3/4 x 13 3/8 x 26 5/16 inches)
- Mass: Approx. 54 kg (119 lb 1 oz)
- Mass: Approx. 54 kg (119 lb 1 oz)
- Dimensions: 603(W) x 345(H) x 671(D) mm
  - (23 3/4 x 13 3/8 x 26 5/16 inches)
- Heat dissipation: 1535.7 BTU
- Cooling: IC (Class B)
- Cooling: 1 Vp-p ± 2 dB, impedance 4.7kΩ
- Power On: DC 5 V, output impedance 4.7kΩ
- Power Off: 0 V

### Safety regulations
- UL1950, CSA950, DHHS, DNHW, FCC (Class B), IC (Class B)

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*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.
VPH-D50HTM (NTSC/PAL/SECAM/NTSC4.43/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 \(\times\) 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
- Support suspension PSS-10
- Remote commander RM-PJ800
- 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-50/10G/30G (D-sub 9-pin to D-sub 9-pin for RS-422A)
- 100-inch flat screen: VPS-120FH\(^*3\)
- 1024 pixels (RGB, measured at fH: 64 kHz, fV: 60 Hz)
- 120-inch flat screen: VPS-100FH\(^*3\)
- (D-sub 9-pin to D-sub 9-pin for RS-422A)
- Analog RGB/Component: BNC
- Video (YC)\(^*4\)
- Composite: BNC
- HDTV\(^*2\) (Y/P B /P R ): BNC

Specifications

Optical

Projection system:
- 3 picture tubes, 3 lenses, direct projection system
- 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:
- 60-inch 1902 mm (6 ft 2 7/8 inches)
- 70-inch 2179 mm (7 ft 1 7/8 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)

Signal Switching:
- PAL, NTSC, SECAM, NTSC4.43, PAL-M
- 700 TV lines (video)
- 1000 TV lines (HDTV)
- 1280 \(\times\) 1024 pixels (RGB, measured at fH: 64 kHz, fV: 60 Hz)

RGB bandwidth:
- Horizontal: 15 to 64 kHz
- Vertical: 38 to 150 Hz

Power requirements:
- AC 120 V, 50/60 Hz
- Power consumption: 450 W, Standby: 7 W

Safety regulations

UL 1950, cUL 950, DHHS, DNHW, FCC class B, IC class B

UL 1950, cUL 950, DHHS, DNHW, 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 93 kHz, vertical 38 to 150 Hz
• 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 x 1120 pixels (RGB input)/700 TV 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 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

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) x 914 (H) mm (4.0 x 3.0 ft)
Screen: 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: 700 TV lines (VIDEO IN)
1400 x 1120 pixels (RGB in, measured at fH: 69 kHz, fV: 60 Hz)

Audio
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*: Loop-through BNC
  1.0 Vp-p, sync negative, Automatic 75Ω termination*3
- Y/C*: 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
  (Supplied with IFB-11)
- R/B: BNC
  0.7 Vp-p, 75Ω
- G/sync on G: BNC
  0.7 Vp-p, 75Ω
- 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

INPUT A: (Supplied with IFB-11)
INPUT B: (Open for an optional IFB Series input module)

Dimensions

- 1400 x 1120 pixels (RGB input)

*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.
RVP-4015Q (NTSC/PAL/SECAM/NTSC4.43)

- 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 x 800 pixels (RGB)/700 TV 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*: IFB-11/20/101/1000/1200/1301/3000
- Signal Interface Switcher: PC-1271
- Interface unit: IFU-1271
- Signal interface cable: SIC-10/20/2C/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)

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/NTSC4.43 (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) x 610 (H) mm (2.7 ft)
- Screen: 0.78 mm pitch, Black stripe, (lenticular/fresnel/non-glare (cytop))
- Brightness: ANSI*: 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 x 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.
- Dimensions: 931 (W) x 874 (H) x 752 (D) mm (36 3/4 x 34 1/2 x 29 5/8 inches)

Inputs
- INPUT A: (Supplied with IFB-11)
  - R/B: BNC
  - G/Sync on G: BNC
  - 0.7 Vp-p, 75 Ω
- INPUT B: (Supplied with IFB-1000)
  - VIDEO*: Loop-through BNC
  - 1 Vp-p, sync negative, Automatic 75Ω termination
- Y/C*: Loop-through 4-pin mini DIN
  - Y (luminance): 1 Vp-p, sync negative, Automatic 75Ω termination
  - C (chrominance): 0.286 Vp-p (NTSC)
  - 0.3 Vp-p (PAL), Automatic 75Ω termination
- AUDIO: Phono stereo or monaural selectable
  - ~5 dBu, impedance more than 47kΩ

Outputs
- MONITOR OUT:
  - Video out: Y/C: 4-pin mini DIN
  - Composite video/BNC
  - RGB out/BNC(5)
  - RGB out (BNC)*
  - 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 NTSC4.43 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 output 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/NTSC4.43)

- 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
- 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) liquid 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, NTSC4.43\(^*1\) automatically selected
- Resolution: 700 TV lines (Composite video 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

\(^*1\) The NTSC4.43 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.
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
- 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, contoured remote control unit RM-PJ600 with laser pointer

**Built-in three-speaker stereo**

**Supplied Accessories:**
- Remote Commander RM-PJ600
- Video Signal Cable (2 m)
- Macintosh adapter
- Mouse Cables (2 m)
- SMF-401: HD D-sub 15-pin to HD D-sub 15-pin
- Macintosh projector
- 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)
- Mouse Cables (2 m)
- Audio Visual Cable (1.5 m)

**Optional Accessories:**
- Video Signal Cable (2 m)
- Infrared remote control RM-PJ10
- Suspension 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
- Projector lamp LMP-600(for replacement)
- Projector lamp LMP-600(for replacement)
- Suspension support PSS-600
- Video Signal Cable (2 m)
- Mouse IN: Square 13-pin (Female)
- Audio IN: Stereo mini jack, 500mV rms, impedance more than 47 kΩ
- Audio IN: Phono type (2) stereo, 500 mV rms, impedance more than 47 kΩ
- Audio OUT: Stereo mini jack, max. 1 V rms, when an input signal
- Audio OUT: Stereo mini jack, max. 1 V rms, when an input signal
- Mouse OUT: Mouse IN: Square 13-pin (Female)
- Audio IN: Stereo mini jack, 500mV rms, impedance more than 47 kΩ
- Audio IN: Stereo mini jack, 500mV rms, impedance more than 47 kΩ

**Specifications**

**Optical**
- Projection system: 3 LCD panels, 1 lens projection system
- Projection lens: 1.3-inch p-Si TFT LCD panel with micro lens array and metal mask, 2,359,296 pixels (768,433 pixels x 3)
- Lamp: 120 W UHP
- Screen coverage*: 40 to 300 inches
- Light output: ANSI lumen*1 1000 lm
- Throwing distance: 40-inch: 1560 to 1980 mm (61 1/8 to 78 inches)
- 60-inch: 2380 to 3020 mm (93 1/4 to 118 3/4 inches)
- 80-inch: 3210 to 4050 mm (126 1/8 to 159 1/4 inches)
- 100-inch: 4040 to 5090 mm (159 1/4 to 200 1/4 inches)
- 120-inch: 4860 to 6120 mm (191 1/2 to 241 inches)
- 200-inch: 8170 to 10270 mm (321 1/4 to 404 1/4 inches)
- 300-inch: 12300 to 15450 mm (484 1/4 to 608 1/4 inches)

**General**
- Resolution: Video: 750 TV lines, RGB: 1024 x 768 pixels
- Acceptable signal: RGB (H: 15-91 kHz, V: 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
- Speaker: Wide frequency range 3 speaker system
- 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: 339 (W) x 291 (D) mm
- – excluding lens, adjusters and protruding parts
- Mass: 5.9 kg (13 lb)
- Operating temperature: 0°C to 40°C (32°F to 104°F)
- Operating humidity: 35 to 85%
VPL-X600U MkII (NTSC/PAL/SECAM/NTSC4.43/PAL-M)

- LCD (Liquid Crystal Display)-based portable presentation projector
- Three TFT LCD panels for a total of 2,359,266 pixels (786.432 pixels x 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 system

Supplied Accessories: Remote Commander RM-PJM600

Video Signal Cable
- SMF-401 (2 m) x 1: HD D-sub 15-pin to HD
- D-sub 15-pin Cable
- Macintosh Adaptor x 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 PS-600
- Carrying Case VLC-600*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 x 3)
- Projection lens: 1.3 times zoom lens, 13 element all glass, Multi-coated F 2.5 to 3.0f = 50 to 65 mm
- Lamp: 120 W UHP
- Screen coverage: 40 to 300 inches
- Light output: ANSI 600 lm
- Throwing distance:
  - 40-inch: 1,490 to 1,890 mm (58% to 74½ inches)
  - 80-inch: 3,060 to 3,860 mm (120½ to 152 inches)
  - 100-inch: 3,850 to 4,840 mm (151½ to 190¾ inches)
  - 200-inch: 7,780 to 9,770 mm (306¾ to 384½ inches)
  - 300-inch: 11,710 to 14,790 mm (461½ to 578⅞ inches)

General
- Color system: NTSC/PAL/SECAM/NTSC4.43/PAL-M
- Resolution: Video: 750 TV lines, RGB: 1024 x 768 pixels
- Acceptable signal:
  - H: 15, 24 to 81 kHz, IV: 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.
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 x 3 panels)
- 120 W UHP lamp
- High light output of 600 ANSI 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
- 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**

<table>
<thead>
<tr>
<th><strong>Optical</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection system:</td>
<td>3 LCD panels, 1 lens projection system</td>
</tr>
<tr>
<td>Picture tube:</td>
<td>0.9-inch TFT LCD panel, 2,359,296 pixels (786,432 pixels x 3)</td>
</tr>
<tr>
<td>Projection lens:</td>
<td>1.2 times zoom lens, F2.0 to 2.3/f=36.0 to 43.5 mm</td>
</tr>
<tr>
<td>Lamp:</td>
<td>120 W UHP</td>
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<tr>
<td>Screen coverage:</td>
<td>40 to 150 inches (measured diagonally)</td>
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<tr>
<td>Light output:</td>
<td>600 ANSI lumens*1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>General</strong></th>
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<tbody>
<tr>
<td>Color system:</td>
<td>NTSC, PAL, SECAM, NTSC 4.43, PAL-M</td>
</tr>
<tr>
<td>Resolution:</td>
<td>TV lines (video); 1024 x 768 pixels (RGB)</td>
</tr>
<tr>
<td>Scanning frequency:</td>
<td>RGB: fH 15-91 kHz; fV: 50-85 Hz; 15 K component</td>
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<tr>
<td>Audio:</td>
<td>Max. 0.5 W x 2 (stereo)</td>
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<tr>
<td>Power requirements:</td>
<td>AC 100 to 120 V, 220 to 240 V, 50/60 Hz</td>
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<tr>
<td>Power consumption:</td>
<td>190 W (max), 5 W (standby)</td>
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<td>Heat dissipation:</td>
<td>684.37 BTU</td>
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<tr>
<td>Dimensions:</td>
<td>107 (W) x 218 (H) x 314 (D) mm (4 1/4 x 8 1/4 x 12 3/8 inches)</td>
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<tr>
<td>Mass:</td>
<td>3.7 kg (8 lb 2 oz)</td>
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<tr>
<td>Operating temperature:</td>
<td>0 to 40°C (32 to 104°F)</td>
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<tr>
<td>Operating humidity:</td>
<td>35 to 85%</td>
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**SYNC**

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

**Laser beam**

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<tr>
<th></th>
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<tbody>
<tr>
<td>Laser type</td>
<td>Class II</td>
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<tr>
<td>Wavelength</td>
<td>645 nm</td>
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<tr>
<td>Output</td>
<td>1 mW</td>
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</tbody>
</table>

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

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*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.
**VPL-S900U (NTSC/PAL/SECAM/NTSC4.43)**

**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 PM-PJ600 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**

**General**
- **Resolution:** Video: 600 TV lines, RGB: 800 × 600 pixels
- **Acceptable signal:** RGB (H: 15-91 kHz, V: 43-85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video
- **Color system:** NTSC, PAL, SECAM, NTSC4.43, PAL-M automatically/manualy 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) × 291 (D) mm
- **Mass:** 5.9 kg (13 lb)
- **Operating temperature:** 0° to 40°C (32° to 104°F)
- **Operating humidity:** 35 to 85 %

**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 adapter
- 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
- 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

**Specifcations**

**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:** 40 to 300 inches
- **Light output:** ANSI lumen**1** 1000 lm
- **Throwing distance:**
  - 40-inch: 1570 to 2000 mm (61" to 78" inches)
  - 60-inch: 2400 to 3040 mm (94" to 119¼" inches)
  - 80-inch: 3240 to 4090 mm (127½ to 161¼" inches)
  - 100-inch: 4070 to 5130 mm (160½ to 202 inches)
  - 120-inch: 4900 to 6180 mm (193 to 243¼" inches)
  - 200-inch: 6240 to 10360 mm (246¼ to 408 inches)
  - 300-inch: 12410 to 15580 mm (488¼ to 613½" inches)

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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.
2-3 LCD projectors

VPL-S800U (NTSC/PAL/SECAM/NTSC4.43/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
- Multiscan capability
- Power zoom, power focus and picture shift functions
- On-screen menu with assured with advanced technologies
- User-friendly picture shift functions
- Installation flexibility
- On-screen menu

- Power requirements: AC 100 to 120 V/220 to 240 V*3, 50/60 Hz
- Storage temperature: 20 to 60˚C (-4 to 140˚F)
- Storage humidity: 10 to 90%
- Operating temperature: 0 to 40˚C (32 to 104˚F)
- Operating humidity: 35 to 85%
- Supplied accessories: Remote commander RM-PJ800

- 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
- Four optional lenses available
- Can be used with screens from 40 to 300 inches in size
- Power saving mode available

Supplied accessories:
- Remote commander RM-PJ800
- Remote commander cable (Stereo) (15 m)
- AA size battery (×2)
- AC power cord
- Operating manual
- Installation manual

Optional accessories:
- Projector lamp (for replacement) PK-PJ800
- Support suspension stand for twin stacking SU-PJ800
- Signal interface switcher PC-1271
- Interface board IFB-12/20/21/1000
- Multi-cable*2 14-pin — >14pin
- CCd-BRS 25/10/25/50 m
- SIC-M 1/2/5/50 m
- Suspension support SU-PJ800
- Suspension support SS-S10
- Signal interface switcher SR-1271
- Interface board IFB-12/20/21/1000
- Multi-cable*2 14-pin — >14pin
- Supplied accessories: Remote commander RM-PJ800

- Optional projection lenses:

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Specifications

- General
  - Color system: NTSC/PAL/SECAM/NTSC4.43/PAL-M automatically selected
  - Resolution: Video: 640TV lines
  - Scanning frequency: H: 15 kHz — 65 kHz, V: 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

- Controls
  - Power OFF: 0 V
  - Power ON: DC 5 V
  - Power OUT: 60 mA
  - Stereo mini jack 5 Vp-p
  - Power ON: DC 5 V
  - Power OFF: 0 V

- Safety regulations:
  - UL1950, CSA950, FCC Class A, IC Class A

- Operating manual

- Power consumption:
  - Max.: 570 W, Standby: 15 W
VPL-S600U MkII\(^1\) (NTSC/PAL/SECAM/NTSC4.43/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 \times 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  
• Desk top or ceiling mounted projection capabilities  
• Built-in three-speaker stereo  

Supplied Accessories:  
- Remote Commander RM-PJM600  
- Video Signal Cable  
- SMF-401 (2 m) \times 1: HD D-sub 15-pin to HD  
- D-sub 15-pin Cable  
- Macintosh Adaptor \times 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)  
- Room Cover  
- Strap for Remote Commander  
- Air Filter  
- Quick Reference Card  
- Warranty Card  

Optional Accessories:  
- Projector Lamp (for replacement) LMP-600  
- Suspension Support VPS-600  
- Carrying Case VLC-600\(^*1\)  
- Remote Control Receiver RM-PJ10  
- 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  
- 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\(^*1\)  
- VPLL-FM20 (long focal, 2 times zoom lens)  
- VPS-80C: 80-inch Portable Screen\(^*1\)  
- VPS-80C: 80-inch Portable Screen\(^*1\)  
- VPS-120FH: 120-inch Flat Screen\(^*1\)  
- VPS-120FH: 120-inch Flat Screen\(^*1\)  
- VPS-80C: 80-inch Portable Screen\(^*1\)  
- VPS-120FH: 120-inch Flat Screen\(^*1\)  
- VPS-120FH: 120-inch Flat Screen\(^*1\)  
- 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\(^*1\)  
- VPLL-FM20 (long focal, 2 times zoom lens)  
- VPS-80C: 80-inch Portable Screen\(^*1\)  
- VPS-80C: 80-inch Portable Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
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- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed lens)  
- VPLL-FM20 (short focal, fixed lens)  
- Screen VPS-100FH: 100-inch Flat Screen\(^*1\)  
- VPLL-FM30 (short focal, fixed -
VPL-S500U (NTSC/PAL/SECAM/NTSC4.43/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 x 3 panels)
- 250 W metal halide lamp incorporated
- A high light output of 450 ANSI lumens
- 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

### Specifications

#### Optical
- Projection system: 3 LCD panels, 1 lens, projection system
- Throwling distance:
  - 40-inch : 1470 to 2190 mm (57 7/8 to 86 1/4 inches)
  - 57 kHz composite video, Y/C video and component video
- Screen coverage: 40 to 300 inches
- Light output:
  - ANSI: 450 lm
- 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 175 1/4 inches)
  - 120-inch : 4600 to 5720 mm (181 1/8 to 224 7/8 inches)
  - 200-inch : 7730 to 11250 mm (304 3/8 to 444 inches)
  - 300-inch : 11640 to 16910 mm (458 3/8 to 655 inches)

#### General
- Color system: NTSC/PAL/SECAM/NTSC4.43
- Resolution:
  - Video: 600TV lines
  - RGB: 832 x 624 pixels

### Supplied Accessories
- Remote commander RM-PJM500
- Mouse receiver RM-FJ21
- 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*1
  - Projection lens VPLL-FM30
  - Projection lens VPLL-ZM100
  - Carrying case VLC-500*3
  - VGA-Macintosh adaptor
  - Suspension support PSS-500
  - Signal adaptor ADP-10
  - Mouse receiver RM-PJ21

### Input/Output
- VIDEO IN:
  - Composite video: BNC, 1 Vp-p ± 2 dB sync
- AUDIO OUT (variable out):
  - 5 Vp-p, Plug in power, DC 5 V, maximum output 60 mA
- AUDIO IN:
  - Stereo mini jack
- R/L-Y:
  - PD: 0.7 Vpp ± 2 dB positive, 75Ω
  - SI: 0.7 Vpp ± 2 dB positive, 75Ω
  - G:
    - 0.7 Vpp ± 2 dB positive, 75Ω
    - G with sync/Y:
      - 0.7 Vpp ± 2 dB positive, 75Ω
  - B/B-Y:
    - 0.7 Vpp ± 2 dB positive, 75Ω
    - 0.7 Vpp ± 2 dB positive, 75Ω
  - RCA:
    - 0.7 Vpp ± 2 dB positive, 75Ω
  - Phono (L/R): 0.36 Vp-p ± 2dB (Phono), 75Ω
  - Stereo mini jack
  - 500 mV rms, stereo

### Power
- Power saving: 600 dots)
- Audio IN: Stereo mini jack
- Input 1: 200-inch flat screen VPS-120FH*3
- Input 2: 100-inch flat screen VPS-100FH*3
- AC power cord
- Size AA (R6) batteries
- Ventilation cover
- VGA-Macintosh adaptor
- Suspension support PSS-500
- Carrying case VLC-500*3
- Projection lens VPLL-ZM100
- Remote control receiver RM-PJ10
- Operating manual
- AC power cord
- Size AA (R6) batteries
- Ventilation cover
- VGA-Macintosh adaptor
- Suspension support PSS-500
- Carrying case VLC-500*3
- Projection lens VPLL-ZM100
- Remote control receiver RM-PJ10
VPL-SC50U (NTSC/PAL/SECAM/NTSC4.43/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*
- 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
- Audio-visual cable (1.5 m)
- AA batteries (2)
- AC power cord
- Built-in stereo speakers

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
- 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*

General
- Color system: NTSC, PAL, SECAM, NTSC4.43, PAL-M (automatically/ Manuel selection)
- 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
- 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
- AUDIO OUT:
  - Stéréo 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.
VPL-W400Q (NTSC/PAL/SECAM/NTSC4.43/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** 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 commander RM-PJM500 controls major projector functions
• Supplied wired/wireless remote screen menu with a choice of seven languages for desired picture conditions with the memory function
• On-screen menu with a choice of seven languages for adjustment/operation

• Lens top mounted projection and ceiling mounted projection capabilities
• Can be used with screens from 41 to 300 inches in size (16:9)

• Remarkable light output of 400 ANSI lumen*1

• Excellent uniformity and accurate color reproduction assured
• Remarkable light output of 400 ANSI lumen*1

• Supplied wired/wireless remote commander RM-PJM500 controls major projector functions such as set-up adjustments and operational functions

• Supplied wired/wireless remote commander RM-PJM500 controls major projector functions such as set-up adjustments and operational functions
• Lens top mounted projection and ceiling mounted projection capabilities
• Can be used with screens from 41 to 300 inches in size (16:9)

Inputs/Outputs

VIDEO:
• Composite video: BNC
• S VIDEO:
  • Mini DIN 4-pin
  • Burst 0.286 Vp-p • 2 dB NTSC, 75Ω
  • 0.3 Vp-p ± 2 dB (PAL), 75Ω
• Audio IN:
  • Phone (2) • 500 mV rms, stereo, impedance more than 47kΩ
  • BNC x 4

ANALOG RGB/COMPONENT:
• R/R-Y:
  • 0.7 Vp-p ± 2 dB sync negative, 75Ω
  • 0.7 Vp-p ± 2 dB positive, 75Ω
• G:
  • 0.7 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, Bi-level sync: 0.3 Vp-p

HDTV** (Y/Pb/Pr):
• Y:
  • 1 Vp-p ± 2 dB sync negative, 75Ω
  • Tri-level sync: 0.3 Vp-p, Bi-level sync: 0.3 Vp-p
  • PB/PR: 0.35 Vp-p ± 2 dB, 75Ω
• G:
  • 1 Vp-p ± 2 dB, 75Ω
• B:
  • 0.7 Vp-p ± 2 dB, 75Ω
• Composite sync: 0.6 to 8 Vp-p, Bi-level sync: 0.3 Vp-p

HDTV** (GBR):
• G:
  • 1 Vp-p ± 2 dB, 75Ω
• B:
  • 0.7 Vp-p ± 2 dB, 75Ω
• Composite sync: 0.6 to 8 Vp-p, Bi-level sync: 0.3 Vp-p

AUDIO OUT:
• (Variable out) Stereo mini jack 5 Vp-p
• Max. 1 V rms, when input is 500 mV rms, impedance less than 5kΩ

CONTROL S:
• IN Plug in power:
  • Stereo mini jack
  • 5 V-p, Plug in power DC 5 V maximum output 60 mA

OUT:
• Stereo mini jack 5 V-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

Specifications

Optical

Projection system:
• 3 LCD panels, 1 lens, projection
• 1.35-inch p-Si TFT LCD panel, 1,538,640 pixels

Projection lens:
• 1.6 times zoom lens
• 1.35-inch p-Si TFT LCD panel, 1,538,640 pixels

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 (58 3/4 to 89 7/8 inches)
• 80-inch: 3690 to 5620 mm (145 3/8 to 221 3/8 inches)
• <4:3> 34-inch: 1510 to 2320 mm (59 1/2 to 91 3/8 inches)
• 80-inch: 3000 to 4570 mm (118 1/8 to 180 inches)

General

Color system:
• PAL/NTSC/SECAM/NTSC4.43/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)

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

Storage humidity:
• 10 to 90%
VPD-S1800Q (NTSC/PAL/SECAM/NTSC4.43/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 (×2)
- AC power cord
- Operating manual
- Installation manual

Optional accessories:
- 1.5 times zoom standard focus lens VPDL-ZP50
- 2 times zoom long focus lens VPDL-ZP80
- Fixed short focus lens VPDL-FP30
- Projector lamp (for replacement) PK-PJ1800
- Suspension support PSS-70
- Signal adpator ADP-10 (HD D-sub15-pin to D-sub 9-pin for SIC Cable)
- 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/22
- Multi cable* SIC-M cable (14/14-pin, 1/5/15/25/50 m)
- 9 pin remote cable RCC-5G/10G/300G
- 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
- Light source: 1 kW Xenon lamp
- Screen coverage: 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, NTSC4.43, PAL-M
- Resolution: 848 × 600 pixel (RGB)
- RGB input: Horizontal: 15 to 65 kHz
- General
- Power source: AC 100 to 240 V, 50/60 Hz
- Power consumption: 1500 W (AC 100 to 120 V)
- 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
- Mass: 60 kg (132 lb 4 oz)

Inputs/Outputs

Video:
- Composite video: Loop-through BNC
- S Video:
  - Y IN: BNC
  - C IN: BNC
  - Y/C IN: Loop-through mini DIN 4-pin
- Input A:
  - Analog RGB/Component: BNC x 5
  - R/G/B: 0.7 Vp-p ± 2 dB positive/negative, 75Ω
  - G with sync: 1 Vp-p ± 2 dB sync negative, 75Ω
  - Y/C (chrominance): Burst 0.286 Vp-p ± 2 dB (NTSC), 75Ω
  - C (luminance): 0.3 Vp-p ± 2 dB (PAL), 75Ω
  - Y/C: Loop-through mini DIN 4-pin
- 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
- Input B:
  - 14-pin multi connectors (Input: male, Output: female)
  - CONTROL S
  - OUT:
  - RS-232C
  - RS-422A
  - TRIG:
  - Power On: DC 5 V, output impedance 4.7kΩ
- Remote:
  - Mini jack
  - Power Off: 0 V
- Safety regulations
  - UL1950, CSA950, FCC Class A, IC Class A *1

*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.
2-5 Projector accessories

VID-P50

Video Presentation Stand
- Clear image reproduction with a high horizontal resolution of over 460 TV 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 x 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
- Picture element: 768 (H) x 494 (V)
- Resolution: More than 460 TV lines (horizontal)
- S/N ratio: More than 48dB
- Lens: F1.8 f=5.4~64.8 mm (x 12 power zoom)
- Shooting area: 300 x 225 mm (WIDE)
  (11 7/8 x 10 1/8 inches)
  25 x 19 mm (TELE)
  (1 x 7/4 inches)
- Focus: Full Auto
- Iris: Full Auto
- Lighting: 4W fluorescent lamp x1
- White balance: Full Auto
- Outputs: Video (Phono connector x1)
  1Vp-p sync negative
  S-video (4pin mini DIN x1)
  Y: 1Vp-p, 75 b sync negative
  C: 0.286Vp-p, 75 b (NTSC)
  C: 0.300Vp-p, 75 b (PAL)

Dimensions: 335 (W) x 525 (H) x 355 (D) mm
(13 1/4 x 20 3/4 x 14 inches)
When folded
335 (W) x 70 (H) x 550 (D) mm
(13 1/4 x 2 7/8 x 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) x 494 (V)
Resolution: More than 460 TV lines
Shooting Area: 325 x 240 mm (max.)
29 x 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)
  Audio in: Phono (2) pair, stereo
  Mic in: Standard jack (1)
Output connectors:
- Video out: Phono (1), BNC (1)
- S video out: 4-pin mini DIN (1)
  Audio out: Phono (1) pair, stereo
  RS-232C connector: D-sub 9-pin, male
Output impedance: less than 600 Ω
Level: -10 dBu, unbalanced

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) x 583 (H) x 622 (D) mm
(17 5/8 x 23 x 24 1/2 inches)
446 (W) x 166 (H) x 634 (D) mm
(17 5/8 x 6 1/4 x 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 lines •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)
• Operation manual (1)
• Dry battery (2) (for remote commander)

Specifications
Pick-up device: 1/3 inch interline transfer, CCD
Picture element: 768(H) x 494(V)
Resolution: More than 460 TV lines
Shooting Area: Approx. 325 x 260 mm (max.)
Lens: 1.8 to 2.7, f=54 to 64.8 mm (min.)
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:
• Camera monitor out Phono jack (1)
• S video in 4-pin mini DIN (2)
• Audio in Phono (1) pair, stereo
• Mic in Standard jack (1)
• Video in Phono (2) 1Vp-p, 75 Ω, sync negative
• Video out Phono (1), BNC (1) 1Vp-p, 75 Ω, sync negative

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) x 494(V)
Horizontal resolution: More than 720TV lines
S/N ratio: More than 460 TV lines
Lens: F1.4, f=7.5 -90 mm
Focus: Power Focus
Iris: Auto/Manual
Lighting:
• 9W fluorescent lamp (x2) for arm light
• 8 W fluorescent lamp (x2) for back light
B&W/color: Built-in (without RGB output)
Power requirement: AC 120 V, 50/60 Hz
Power consumption: 35 W
Dimensions: 494(V) x 740(D) mm
Mass: Approx. 12.7 kg (26 lb 10 oz)

Inputs/outputs
Inputs:
• Gen lock: BNC(x1), 75Ω sync negative
• MIC: Phone(x1), 3.3kΩ, -60 dBu, unbalanced
Output:
• Video: Phono(x1), BNC(x1), 1 Vp-p sync negative
• S-video: 4-pin mini DIN(x1)

• Y: 1 Vp-p, 75Ω sync negative
• C: 0.286 Vp-p, 75Ω
• Audio output: Phono (1) pair, stereo
• Output impedance: less than 600 Ω
• Level: -10 dBu, unbalanced
• Camera monitor out: Phono jack (1)
• Wireless remote commander:
• Supplied as standard
• Service Area: 60°, 5 m

RS-232C connector:
• D-sub 9-pin, male
• Baud rate: 9600 bps

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) x 237 (H) x 260 (D) mm (when folded)
• 446 (W) x 190 (H) x 711 (D) mm (when folded)

Control:
• RS-232C interface port (D-sub 25-pin)
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-11/12/21/20/101/100/1000/1200/1301/3000
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
(16 3/4 x 5 1/4 x 11 1/2 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): 1 Vp-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
IFU-1271*1
Interface Unit for VPH-G90U/G700/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 (>2)
Phono (>2)
Bandwidth: 120 MHz (-3 dB)
Power requirements: AC 120 V, 50/60 Hz
Dimensions: 180 (W) × 105 (H) × 185 (D) mm
(7 1/8 × 4 1/4 × 7 3/8 inches)
Mass: 3 kg (6 lb 9.8 oz)
Supplied accessories:
AC power cord
Operation manual

IFU-SC50
Interface Unit for the VPL-SC50U/XC500U/S600U/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/Pb, GBR), composite video and Y/C video signals
• RGB bandwidth of 300 MHz -3 dB
• Cable compensation function for output signals (150 MHz)

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

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)

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
(5 1/8 × 1 7/16 × 5 1/2 inches)
Mass: 170 g (6.0 oz)

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

*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).

*IFB-20 is not available in some areas. Please consult your nearest Sony office.
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 1/8 × 1 7/16 × 5 1/2 inches)
Mass: 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)

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 1/8 × 1 7/16 × 5 1/2 inches)
Mass: 200 g (7 oz)

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 1/8 × 1 7/16 × 5 1/2 inches)
Mass: 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 1/8 × 1 7/16 × 5 1/2 inches)
Mass: 0.15 kg (5.3 oz)
2-5 Projector accessories

**IFB-1000**

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

**Inputs**
- Composite*: Loop-through BNC
- Y/C*: Loop-through 4-pin mini DIN
- Audio: Phono (stereo or monaural selectable)

**Dimensions:** 129 (W) x 35 (H) x 138 (D) mm (5 1/8 x 1 7/16 x 5 1/2 inches)

**Mass:** 160 g (5.6 oz)

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*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)
- Audio: Phono (stereo or monaural selectable)

**Dimensions:** 129 (W) x 35 (H) x 138 (D) mm (5 1/8 x 1 7/16 x 5 1/2 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/Pb/Pu) input
- Converts Y/Pb/Pu signals to RGB signals
- Color, Hue and Sharpness adjustment available
- Audio (Left (Mono)/Center/Right) input

**Inputs**
- HD: BNC
- Y (luminance): 1 Vp-p ± 2 dB, 75Ω
- Pb/Pu (component): ± 0.35 Vp-p, 75Ω

**Output**
- G/Y: 1 Vp-p ± 2 dB, 75Ω
- B/R: 0.7 Vp-p ± 2 dB, 75Ω
- Pb/Pu: 0.35 Vp-p, 75Ω
- Audio*: Phono (stereo/monaural) 250 mV rms, impedance more than 47kΩ

**Dimensions:** 129(W) x 35(H) x 138(D) mm (5 1/8 x 1 7/16 x 5 1/2 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/NTSC4.43

**Specifications**

**General**
- Color system: NTSC/PAL/SECAM/NTSC4.43 (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) x 129 (H) x 138 (D) mm
  (4 5/8 x 5 1/8 x 5 1/2 inches)
- Mass: 870 g (1 lb 15 oz)

**Inputs**

**VIDEO**
- VIDEO 1 to 3
  - Composite video:
    - BNC
    - 1Vp-p, sync negative, 75Ω
  - Y/C:
    - 4-pin mini DIN
    - Y (luminance): 1 Vp-p, sync negative, 75Ω
    - C (chrominance): 0.286 Vp-p
- VIDEO 4
  - Y/R-Y/B-Y:
    - BNC
    - R-Y/B-Y: 0.7 Vp-p, 75Ω
    - Y: 1.0 Vp-p, sync negative, 75Ω
- AUDIO
  - Phono (stereo or monaural selectable)

**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, NTSC4.43 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/Pa/Pb) and component (Y/R-Y/B-Y) signals to RGB signal
- Color, Hue and Sharpness can be controlled with EXB-5010

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*1 The NTSC4.43 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.
*3 525/65 system: video amplitude 100/0/75 color bars.
625/55 system: video amplitude 1000/100 color bars.
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-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 Serial 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)

**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)

**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/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) x 50 (H) x 57 (D) mm
  (4 x 2 x 2 1/4 inches)
- 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** and VPD-S1800Q**

- Enables operation of a connected computer with the RM-PJM800 or RM-PJM500
- Dimensions: 75 (W) x 41.8 (H) x 79.5 (D) mm
  (3 x 1 11/16 x 3 1/4 inches)
- Mass: 140 g (5 oz)

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) x 86 (H) x 6.5 (D) mm
  (2 1/4 x 3 1/2 x 9/32 inches)
- Mass: Approx. 21.7 g (0.8 oz)

RM-PJM800
Remote Commander for VPH-G70Q/D50Q, RVP-6010Q*/4015Q*/511DS*/411DS**, VPL-S800U*/S500U**/W400Q** and VPD-S1800Q**

- 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 x 2)
- Dimensions: 45.5 (W) x 22.5 (H) x 215.5 (D) mm
  (1 7/16 x 23/32 x 8 1/2 inches)
- Mass: 94 g (3 oz)

* Should be utilized with the RM-PJM800.
*1 Supplied with the VPL-S500U.
*2 Should be utilized with the RM-PJ21.
*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) x 35 (H) x 141 (D) mm
(6 1/4 x 1 1/4 x 5 1/4 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) x 24 (H) x 178 (D) mm
(1 13/16 x 3 3/32 x 7 1/4 inches)
Mass: Approx. 93 g (3.3 oz)

VPS-50C
Portable Screen

<table>
<thead>
<tr>
<th>Screen size</th>
<th>50-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>Beaded glass flat screen</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Folded: 870 (W) x 88 (H) x 80 (D) mm</td>
</tr>
<tr>
<td></td>
<td>(34 1/8 x 3 1/2 x 3 1/4 inches)</td>
</tr>
<tr>
<td></td>
<td>Assembled: 1131 (W) x 870 (H) x 240 (D) mm</td>
</tr>
<tr>
<td>Mass</td>
<td>2.3 kg (5 lb)</td>
</tr>
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</table>

VPS-80C
Projector Screen

<table>
<thead>
<tr>
<th>Screen size</th>
<th>80-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>Beaded glass flat screen</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Folded: 1860 (W) x 100 (H) x 107 (D) mm</td>
</tr>
<tr>
<td></td>
<td>(73 1/4 x 4 x 4 1/4 inches)</td>
</tr>
<tr>
<td></td>
<td>Assembled: 1860 (W) x 2100 (H) x 220 (D) mm</td>
</tr>
<tr>
<td></td>
<td>(73 1/4 x 82 3/4 x 8 1/4 inches)</td>
</tr>
<tr>
<td>Mass</td>
<td>6.0 kg (13 lb 4 oz)</td>
</tr>
</tbody>
</table>
2-5 Projector accessories

VPS-120FH/100FH
Video Screen

<table>
<thead>
<tr>
<th></th>
<th>VPS-120FH</th>
<th>VPS-100FH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size</td>
<td>120-inch</td>
<td>100-inch</td>
</tr>
<tr>
<td>Construction</td>
<td>Beaded glass high-efficiency flat screen with winding mechanism</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>2780(W) x 2545(H) mm (109 1/8 x 100 7/8 inches)</td>
<td>2200(W) x 1765(H) mm (86 1/4 x 69 3/8 inches)</td>
</tr>
<tr>
<td>Mass</td>
<td>21 kg (46 lb 5 oz)</td>
<td>8 kg (17 lb 10 oz)</td>
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</tbody>
</table>

VPS-702R
70-inch Rear Screen

<table>
<thead>
<tr>
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<th>VPS-702R</th>
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</thead>
<tbody>
<tr>
<td>Screen size</td>
<td>70-inch</td>
</tr>
<tr>
<td>Screen pitch</td>
<td>0.72 mm (1/32 inches)</td>
</tr>
<tr>
<td>Construction</td>
<td>Rear projection, 70-inch acrylic plastic screen, Fresnel, lenticular type with Black stripe</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Max. outer size: 1465(W) x 1110(H) x 4(D) mm (57 3/4 x 43 3/8 x 7/16 inches) Valid screen size: 1427(W) x 1070(H) mm (56 1/4 x 42 1/4 inches)</td>
</tr>
<tr>
<td>Mass</td>
<td>7.9 kg (17 lb 7 oz)</td>
</tr>
</tbody>
</table>

VPF-701R
Rear Screen Frame for VPS-702R

| Dimensions | Outer size: 1597(W) x 1240(H) x 30(D) mm (63 x 48 7/8 x 1 1/16 inches) |
| Inner size: | 1427(W) x 1070(H) mm (56 1/4 x 42 1/4 inches) |
| Mass        | 8.5 kg (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

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)
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) x 181 (H) x 232 (D) mm
(7 1/4 x 7 1/4 x 9 1/4 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) x 122 (H) x 115 (D) mm
(4 1/8 x 4 7/8 x 4 5/8 inches)
Mass: 390 g (14 oz)

*LMP-600
Projector Lamp (for replacement)
for VPL-X1000U/S900UX600U/
S600U/XC50U/SC80U

• 120 W UHP compact lamp
Dimensions: 75 (W) x 105 (D) x 83.5 (H) mm
(2 5/16 x 4 1/8 x 3 5/16 inches)
Mass: Approx. 210 g (7.4 oz)

PK-PJ800*
Projector Lamp (for replacement)
for VPL-S800U

• 400W metal halide lamp
Dimensions: 140 (W) x 142 (H) x 147 (D) mm
(5 5/8 x 5 5/8 x 5 7/8 inches)
Mass: 820 g (1 lb 13 oz)

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

*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
(4 1/4 × 6 1/4 × 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-S8000U

Dimensions: 582 (W) × 479 (H) × 640 (D) mm
(23 × 18 7/8 × 25 1/4 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 1/4 × 14 1/4 × 33 1/4 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 × 5 1/8 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 ⅜ × 9 ⅜ × 7 ⅜ 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Model name</th>
<th>Material</th>
<th>Screen size</th>
<th>Dimensions</th>
<th>Mass (kg)</th>
<th>Screen seam</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(W × H)mm</td>
<td>(W × H × D)mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor drive</td>
<td>VPE-150</td>
<td>micro beads</td>
<td>3048 × 2286</td>
<td>3455 × 150</td>
<td>28</td>
<td>horizontal (1)</td>
</tr>
<tr>
<td></td>
<td>(150-inch)</td>
<td>on white mat</td>
<td>118 × 90.0</td>
<td>118 × 5.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPE-170</td>
<td>micro beads</td>
<td>3454 × 2591</td>
<td>3862 × 150</td>
<td>30</td>
<td>horizontal (1)</td>
</tr>
<tr>
<td></td>
<td>(170-inch)</td>
<td>on white mat</td>
<td>110 × 102</td>
<td>110 × 5.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPE-200</td>
<td>micro beads</td>
<td>4064 × 3048</td>
<td>5812 × 310</td>
<td>129</td>
<td>horizontal (1)</td>
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<tr>
<td></td>
<td>(200-inch)</td>
<td>on white mat</td>
<td>120 × 120</td>
<td>120 × 9.6</td>
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<td></td>
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<tr>
<td></td>
<td>VPE-220</td>
<td>micro beads</td>
<td>4470 × 3353</td>
<td>6238 × 310</td>
<td>140</td>
<td>horizontal (1)</td>
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<td></td>
<td>(220-inch)</td>
<td>on white mat</td>
<td>132 × 132</td>
<td>12.2 × 9.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPE-250</td>
<td>micro beads</td>
<td>5080 × 3810</td>
<td>6928 × 310</td>
<td>150</td>
<td>horizontal (1)</td>
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<tr>
<td></td>
<td>(250-inch)</td>
<td>on white mat</td>
<td>150 × 150</td>
<td>12.2 × 9.8</td>
<td></td>
<td></td>
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<tr>
<td>Tension</td>
<td>VPL-150</td>
<td>micro beads</td>
<td>3048 × 2286</td>
<td>3448 × 2286</td>
<td>36</td>
<td>vertical (1)</td>
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<td></td>
<td>(150-inch)</td>
<td>on white mat</td>
<td>118 × 90.0</td>
<td>118 × 2.2</td>
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<td></td>
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<tr>
<td></td>
<td>VPL-170</td>
<td>micro beads</td>
<td>3454 × 2591</td>
<td>3854 × 2991</td>
<td>41</td>
<td>vertical (1)</td>
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<td></td>
<td>(170-inch)</td>
<td>on white mat</td>
<td>110 × 102</td>
<td>110 × 2.2</td>
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<td></td>
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<tr>
<td></td>
<td>VPL-200</td>
<td>micro beads</td>
<td>4064 × 3048</td>
<td>5070 × 3935</td>
<td>48</td>
<td>vertical (1)</td>
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<td></td>
<td>(200-inch)</td>
<td>on white mat</td>
<td>120 × 120</td>
<td>120 × 2.2</td>
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<td></td>
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<tr>
<td></td>
<td>VPL-220</td>
<td>micro beads</td>
<td>4470 × 3353</td>
<td>5680 × 4410</td>
<td>53</td>
<td>vertical (1)</td>
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<td></td>
<td>(220-inch)</td>
<td>on white mat</td>
<td>132 × 132</td>
<td>132 × 2.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPL-250</td>
<td>micro beads</td>
<td>5080 × 3810</td>
<td>6238 × 4410</td>
<td>60</td>
<td>vertical (1)</td>
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<td></td>
<td>(250-inch)</td>
<td>on white mat</td>
<td>150 × 150</td>
<td>132 × 2.2</td>
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<tr>
<td>Hang up</td>
<td>VPM-150</td>
<td>micro beads</td>
<td>3048 × 2286</td>
<td>3292 × 2456</td>
<td>9.5</td>
<td>horizontal (1)</td>
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<tr>
<td></td>
<td>(150-inch)</td>
<td>on white mat</td>
<td>118 × 90.0</td>
<td>129.6 × 96.7</td>
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<tr>
<td></td>
<td>VPM-170</td>
<td>micro beads</td>
<td>3454 × 2591</td>
<td>3698 × 2761</td>
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<td>(170-inch)</td>
<td>on white mat</td>
<td>110 × 102</td>
<td>145.6 × 108.7</td>
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<tr>
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<td>VPM-200</td>
<td>micro beads</td>
<td>4064 × 3048</td>
<td>4584 × 3488</td>
<td>12</td>
<td>horizontal (1)</td>
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<td>(200-inch)</td>
<td>on white mat</td>
<td>120 × 120</td>
<td>120 × 13.73</td>
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<tr>
<td></td>
<td>VPM-220</td>
<td>micro beads</td>
<td>4470 × 3353</td>
<td>5010 × 3813</td>
<td>13</td>
<td>horizontal (1)</td>
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<td></td>
<td>(220-inch)</td>
<td>on white mat</td>
<td>132 × 132</td>
<td>197.2 × 150.1</td>
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<tr>
<td></td>
<td>VPM-250</td>
<td>micro beads</td>
<td>5080 × 3810</td>
<td>5700 × 4350</td>
<td>15</td>
<td>horizontal (1)</td>
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<tr>
<td></td>
<td>(250-inch)</td>
<td>on white mat</td>
<td>150 × 150</td>
<td>224.4 × 171.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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) x 85(H) x 175(D)mm
(3¾ x 3¼ x 7 inches)
Mass: 670g (1 lb 6 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-S600U/X600U/S600U
80-300 inches
Throwing distance:
VPL-W400Q (16:9)
100-inch: 3330-10120 mm
200-inch: 6720-20260 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
(Ø3 1/2 , length 9 7/32 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: 137 mm/F3.5
Screen coverage:
VPL-W400Q (16:9)
40-300 inches
VPL-W400Q (4:3)
40-240 inches
VPL-S500U/X600U/S600U
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/X600U/S600U
100-inch: 2790 mm
200-inch: 5640 mm
VPL-S600U
100-inch: 2900 mm
200-inch: 5860 mm
Dimensions: Ø120 mm, length 209 mm
(Ø4 3/4 , length 8 1/32 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: 124.24 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
(Ø4 1/4 , length 8 1/2 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
(Ø3 1/2, length 9 7/32 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
(Ø3 1/2, length 7 7/32 inches)
Mass: Approx. 1300 g (2 lb 14 oz)

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: 1269.1mm/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: 171.0-92.3mm/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: 192.1-147.3mm/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: 1144.4-216.5mm/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
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
Mass: Approx. 770 g (1 lb 11 oz)

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