

**SONY**<sup>®</sup>



# **Sony LCD Projectors**

**VPL-X1000/VPL-S900/VPL-X600 MkII/VPL-XC50/VPL-SC60**

## High Picture Quality

With stunning picture quality, Sony Portable LCD Projectors deliver impactful presentations. Within the compact portable bodies of Sony's LCD projectors, Sony integrates its exceptional technologies to enhance the projection of bright, crisp images. Every Sony LCD model incorporates Sony manufactured LCD panels to provide the highest quality images. Also, a high-performance scan converter detects a wide range of signal sources including video and computer signals, and automatically performs the optimum signal conversion to the native resolution of each projector. And thanks to advanced operating features and the full function supplied remote control unit, Sony LCD Projectors are easy to setup and operate. With Sony Portable LCD Projectors, you will have the edge in persuasive visual communications.



## Versatile and Portable

Focused on portability, the Sony VPL-X1000/S900/X600 MkII Series LCD Projectors offer dynamic presentations in a package that can be easily moved from room-to-room. In addition, a series of optional lenses allows you to easily configure the projector for various applications. Thanks to a full range of ceiling suspension supports, these portable projectors can also be installed for system use.



## Ultra Portable

Combining the high-performance and its ultra compact size, the Sony VPL-XC50/SC60 Series Projector deliver high quality visual communications in a personal package of size and weight. Weighing only 3.7 kg (8 lb 2 oz) and with a unique, vertical design, the VPL-XC50/SC60 projectors provide tremendous mobility.





VPL-X1000  
 VPL-X600 MKII  
 VPL-XC50



VPL-X1000



VPL-X600 MKII



VPL-XC50

## Features

- Incorporate three Sony manufactured LCD panels for clear and bright image reproduction
- Innovative optical system for high brightness
- Excellent uniformity and accurate color reproduction with advanced technologies including fly-eye light integrator and Advanced Scan Conversion (ASC) bilinear interpolation
- Accept various computer signals up to SXGA<sup>11</sup> resolution as well as composite video, Y/C video and component video signals
- Simple set-up using comprehensive preset data

LCD Panel



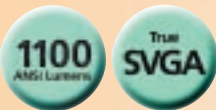


# VPL-S900 VPL-SC60

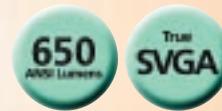
# VPL-S900



VPL-S900



VPL-SC60



# VPL-SC60

- 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
- Built-in stereo speakers
- Magnesium diecast body
- A series of optional lenses<sup>\*2</sup> available to project optimum images on screens from 40 to 300 inches in size (viewable area, measured diagonally)
- Desktop or ceiling mounted, front or rear projection<sup>\*2</sup>
- Input B or Monitor out function easily switchable<sup>\*3</sup>

\*1 Some signal formats may be converted.

\*2 Available only for the VPL-X1000/S900/X600 MKII.

\*3 Available only for the VPL-X1000/S900.



RM-PJM600

# Optional Accessories

## Projector lamp

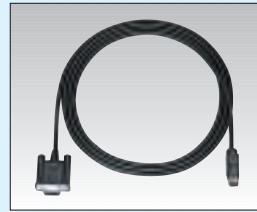


**LMP-600**  
120 W UHP lamp

## Mouse cables



**SIC-S20**  
For Macintosh® computers, Mini DIN 4-pin male to Square 13-pin male  
**SIC-S22**  
For PS/2 computers, Mini DIN 6-pin male to Square 13-pin male



**SIC-S21**  
For Serial, D-sub 9-pin male to Square 13-pin male

## Interface unit

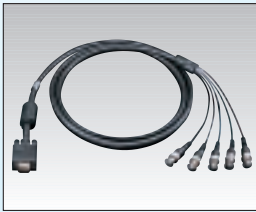


**IFU-SC50**  
- Two input, one output signal selector: allows two computers to be simultaneously connected to one projector  
- Built-in mouse receiver for wireless mouse control

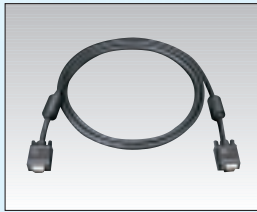
### Input/Output

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

## Signal cables



**SMF-400**  
HD D-sub 15-pin male to 5 BNC male



**SMF-401**  
HD D-sub 15-pin male to HD D-sub 15-pin female



**SMF-402**  
HD D-sub 15-pin male to RCA 3-pin male

## Screens



**VPS-80C**  
80-inch portable screen



**VPS-50C**  
50-inch portable screen

**VPS-100FH** 100-inch flat screen\*

**VPS-120FH** 120-inch flat screen\*

\*Not available in some areas.

## Soft carrying cases

Carrying cases, exclusive to each model, are available. For details, please contact your nearest Sony office.

## Soft carrying cases

**ADP-10**  
HD S-sub 15-pin to D-sub 9-pin

**ADP-20**  
Macintosh computers to HD D-sub 15-pin

## Optional accessories for the VPL-X1000/S900/X600 MkII Series

### Projector lenses



**VPLL-ZM100**  
2 times zoom long focus lens, f 72.3 to 141.0 mm/F3.0 to 4.6



**VPLL-FM30**  
Fixed short focus lens, f37 mm/F 3.5



**VPLL-FM20**  
Fixed short focus lens for 0 degrees optical axis angle installation (for rear projection), f 24.24 mm/F 3.0

### Suspension support



**PSS-600**  
For the direct installation on the ceiling

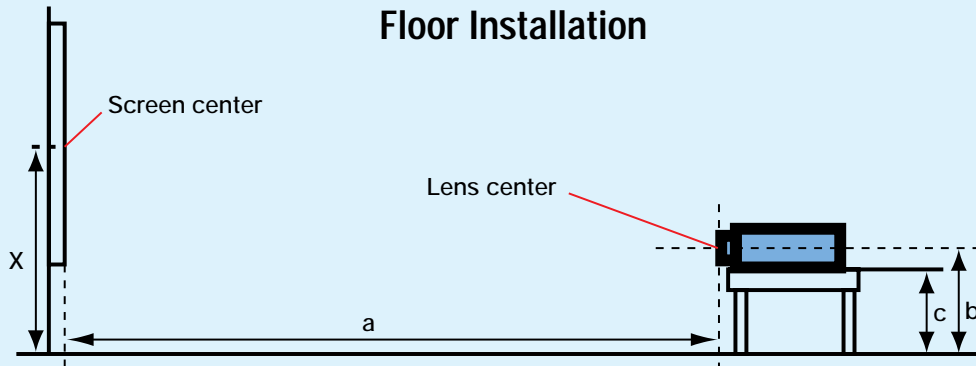
### Infrared remote control receiver



**RM-PJ10**

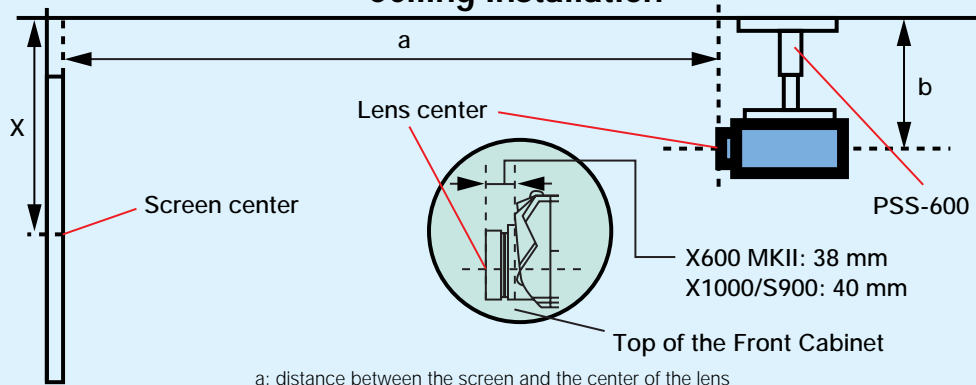
# Installation Examples

## Floor Installation



a: distance between the screen and the center of the lens  
 b: distance from the floor to the center of the lens  
 c: distance from the floor to the foot of the projector  
 x: free

## Ceiling Installation



a: distance between the screen and the center of the lens  
 b: distance from the ceiling to the center of the lens  
 x: distance between the ceiling and center of the screen

X600 MKII: 38 mm  
 X1000/S900: 40 mm

Top of the Front Cabinet

### Floor Installation

		40	60	80	100	120	300
VPL-X1000	a min.	1560 (61 1/2)	2380 (93 3/4)	3210 (126 1/2)	4040 (159 1/8)	4860 (191 3/8)	12300 (484 3/8)
	a max.	1980 (78)	3020 (118 15/16)	4050 (159 1/2)	5090 (200 1/2)	6120 (241)	15450 (608 3/8)
	b	x-290 (x-11 1/2)	x-435 (x-17 1/4)	x-580 (x-22 7/8)	x-725 (28 5/8)	x-870 (x-34 3/8)	x-2175 (x-85 3/4)
	c	x-373 (x-14 3/4)	x-518 (x-20 1/2)	x-663 (x-26 1/8)	x-808 (x-31 7/8)	x-953 (x-37 5/8)	x-2258 (x-89)
VPL-S900	a min.	1570 (61 7/8)	2400 (94 1/2)	3240 (127 5/8)	4070 (160 3/8)	4900 (193)	12410 (488 3/4)
	a max.	2000 (78 3/4)	3040 (119 3/4)	4090 (161 1/8)	5130 (202)	6180 (243 3/8)	15580 (613 1/2)
	b	x-292 (x-11 5/8)	x-439 (x-17 3/8)	x-585 (x-23 1/8)	x-731 (x-28 7/8)	x-877 (x-34 5/8)	x-2194 (x-86 3/8)
	c	x-376 (x-14 7/8)	x-522 (x-20 5/8)	x-668 (x-26 3/8)	x-815 (x-32 1/8)	x-961 (x-37 7/8)	x-2277 (x-89 3/4)
VPL-X600 MkII	a min.	1490 (58 3/4)	2270 (89 3/8)	3060 (120 1/2)	3850 (151 5/8)	4630 (182 3/8)	11710 (461 1/8)
	a max.	1890 (74 1/2)	2870 (113)	3860 (152)	4840 (190 5/8)	5830 (229 5/8)	14700 (578 3/4)
	b	x-290 (x-11 1/2)	x-435 (x-17 1/4)	x-580 (x-22 7/8)	x-725 (28 5/8)	x-870 (x-34 3/8)	x-2176 (x-85 3/4)
	c	x-373 (x-14 3/4)	x-518 (x-20 1/2)	x-663 (x-26 1/8)	x-808 (x-31 7/8)	x-954 (x-37 5/8)	x-2259 (x-89)

### Ceiling Installation

		80	120	150	180	300
VPL-X1000	a min.	3210 (126 1/2)	4860 (191 3/8)	6100 (240 1/4)	7340 (289 1/8)	12300 (484 3/8)
	a max.	4050 (159 1/2)	6120 (241)	7680 (302 1/2)	9230 (363 1/2)	15450 (608 3/8)
	x	b+580 (b+22 7/8)	b+870 (b+34 3/8)	b+1088 (b+42 7/8)	b+1305 (b+51 1/2)	b+2175 (b+85 3/4)
	b	When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8)				
VPL-S900	a min.	3240 (127 5/8)	4900 (193)	6150 (242 1/4)	7410 (291 7/8)	12410 (488 3/4)
	a max.	4090 (161 1/8)	6180 (243 3/8)	7750 (305 1/4)	9310 (366 5/8)	15580 (613 1/2)
	x	b+585 (b+23 1/8)	b+877 (b+34 3/8)	b+1099 (b+43 1/4)	b+1316 (b+51 7/8)	b+2194 (b+86 1/2)
	b	When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8)				
VPL-X600 MkII	a min.	3060 (120 1/2)	4630 (182 3/8)	5810 (228 3/4)	6990 (275 1/4)	11710 (461 1/8)
	a max.	3860 (152)	5830 (229 5/8)	7310 (287 7/8)	8780 (345 3/4)	14700 (578 3/4)
	x	b+580 (b+22 7/8)	b+870 (b+34 3/8)	b+1088 (b+42 7/8)	b+1305 (b+51 1/2)	b+2175 (b+85 3/4)
	b	When using PSS-600, the height can be adjusted 226, 251, 276, 326, 351, 376 (9, 10, 10 7/8, 12 7/8, 13 7/8, 14 7/8)				

# Specifications


	VPL-X1000U/X1000M	VPL-S900U/S900M	VPL-X600U MkII/X600M MkII
<b>Optical</b>			
Projection system	3 LCD panels, lens projection system	←	←
LCD Panel	1.3-inch p-Si TFT, with Micro Lens Array and Metal Mask, XGA	1.3-inch p-Si TFT, with Metal Mask, SVGA	1.3-inch TFT, XGA
Projection lens	1.3 times zoom, F 2.0 to 2.4, f 54 to 70 mm	←	1.3 times zoom, F 2.5 to 3.0, f 50 to 65 mm
Lamp	120 W UHP	←	←
Screen coverage*1	40 to 300 inches	←	←
Light output	1100 ANSI lumens*2	←	600 ANSI lumens*2
Throwing distance	40-inch: 1560 to 1980 mm (61 1/2 to 78 inches) 80-inch: 3210 to 4050 mm (126 1/2 to 159 1/2 inches) 100-inch: 4040 to 5090 mm (159 1/8 to 200 1/2 inches) 200-inch: 8170 to 10270 mm (321 1/4 to 404 3/8 inches) 300-inch: 12300 to 15450 mm (484 3/8 to 608 3/8 inches)	1570 to 2000 mm (61 7/8 to 78 3/4 inches) 3240 to 4090 mm (127 5/8 to 161 1/8 inches) 4070 to 5130 mm (160 3/8 to 202 inches) 8240 to 10360 mm (324 1/2 to 408 inches) 12410 to 15580 mm (488 3/4 to 613 1/2 inches)	1490 to 1890 mm (58 3/4 to 74 1/2 inches) 3060 to 3860 mm (120 1/2 to 152 inches) 3850 to 4840 mm (151 5/8 to 190 5/8 inches) 7780 to 9770 mm (306 3/8 to 384 3/4 inches) 11710 to 14700 mm (461 1/8 to 578 3/4 inches)
<b>General</b>			
Resolution	Video: 750 TV lines RGB: 1024 x 768 dots	600 TV lines 800 x 600 dots	750 TV lines 1024 x 768 dots
Acceptable signal	RGB (fH: 15 - 91 kHz, fV: 43 - 85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video	←	RGB (fH: 15, 24 - 81 kHz, fV: 43 - 85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video
Color system	NTSC, PAL, SECAM, NTSC 4.43, PAL-M (Automatically/manually selected)	←	←
Speaker	Max. 1 W x 1, Max. 0.2 W x 2	←	←
Power requirements	100 to 120, 220 to 240 V, 50/60 Hz (UL listed for 120 V operation)	←	←
Power consumption	Max. 220 W, Standby 2W	←	←
Heat dissipation	750.7 BTU	←	←
Dimensions	333 (W) x 120 (H) x 291 (D) mm (13 1/4 x 4 3/4 x 11 1/2 inches) - excluding lens, adjusters and protruding parts 339 (W) x 136 (H) x 322 (D) mm (13 3/8 x 5 3/8 x 12 3/4 inches)	←	←
Mass	Approx. 5.9 kg (13 lb)	←	Approx. 5.8 kg (12 lb 13 oz)
Operating temperature	0° to 40°C (32 to 104°F)	←	←
Operating humidity	35 to 85 %	←	←
<b>Input/Output</b>			
VIDEO IN	Composite video: Phono type x 1 S video: Mini DIN 4-pin	←	←
AUDIO IN	Phono type x 2 (stereo)	←	←
INPUT A/B	Analog RGB/Component, sync, monitor out*3 MOUSE IN: Square 13-pin (Female) AUDIO IN: Stereo Mini jack	←	←
AUDIO OUT (variable out)	Stereo Mini jack	←	←
CONTROL S IN/ PLUG IN POWER	Stereo Mini jack	←	←
<b>Safety regulations</b>			
	U model: UL 1950 and cUL 1950, FCC Class-A, IC Class-A, DHHS(Laser) M model: EN 60 950, CE, C-Tick, EN 60 825-1(Laser)	←	←
<b>Laser beam</b>			
	Laser type: Class II Wave length: 645 nm Output: 1 mW	←	←
<b>Supplied accessories</b>			
	Remote control unit RM-PJM600 Video signal cable SMF-401, Mouse cables SIC-S20/S21/S22, AA size battery (2), Strap for remote control unit, AC power cord, Air filter, Lens cap, Front cover, Operating manual, Installation manual, Quick reference sheet, Macintosh adaptor, Warranty card (for U model only)	←	←

\*1 Viewable area, measured diagonally. \*2 ANSI lumen is a measuring method of American National Standards Institute ANSI IT 7.228. \*3 Available only for INPUT B of VPL-X1000/S900 Series.

# Preset Signals

Preset Data of Input Signal															
Memory No.	Preset Signal	fH (kHz)	fV (Hz)	H/V Polarity	VPL-X1000/S900	VPL-X600MkII	VPL-XC50/SC60	Memory No.	Preset Signal	fH (kHz)	fV (Hz)	H/V Polarity	VPL-X1000/S900	VPL-X600MkII	VPL-XC50/SC60
1	VIDEO 60 Hz	15.734	59.940	N/N	○	○	○	20	800 x 600 SVGA VESA 85 Hz	53.674	85.061	P/P	○	○	○
2	VIDEO 50 Hz	15.625	50.000	N/N	○	○	○	21	832 x 624 Macintosh 16	49.724	74.550	N/N	○	○	○
3	15 K RGB/COMPONENT 60 Hz	15.734	59.940	N/N	○	○	○	22	1024 x 768 XGA VESA 43 Hz	35.524	43.479	P/P	○	○	○
4	15 K RGB/COMPONENT 50 Hz	15.625	50.000	N/N	○	○	○	23	XGA VESA 60 Hz	48.363	60.004	N/N	○	○	○
5								24	XGA VESA 70 Hz	56.476	70.069	N/N	○	○	○
6	640 x 350 VGA mode 1	31.469	70.086	P/N	○	○	○	25	XGA VESA 75 Hz	60.023	75.029	P/P	○	○	○
7	VGA VESA 85 Hz	37.861	85.080	P/N	○	○	○	26	XGA VESA 85 Hz	68.677	84.997	P/P	○	○	○
8	640 x 400 PC-9801 Normal	24.823	56.416	N/N	○	○	○	27	1152 x 864 SXGA VESA 70 Hz	63.995	70.016	P/P	○	○	○
9	VGA mode 2	31.469	70.086	N/P	○	○	○	28	SXGA VESA 75 Hz	67.500	75.000	P/P	○	○	○
10	VGA VESA 85 Hz	37.861	85.080	N/P	○	○	○	29	SXGA VESA 85 Hz	77.487	85.057	P/P	○	○	○
11	640 x 480 VGA mode 3	31.469	59.940	N/N	○	○	○	30	1152 x 900 Sunmicro LO	61.795	65.960	N/N	○	○	○
12	Macintosh 13	35.000	66.667	N/N	○	○	○	31	Sunmicro HI	71.713	76.047	N/N	○	○	○
13	VGA VESA 72 Hz	37.861	72.809	N/N	○	○	○	32	1280 x 960 SXGA VESA 60 Hz	60.000	60.000	P/P	○	○	○
14	VGA VESA 75 Hz	37.500	75.000	N/N	○	○	○	33	SXGA VESA 75 Hz	75.000	75.000	P/P	○	○	○
15	VGA VESA 85 Hz	43.269	85.008	N/N	○	○	○	34	1280 x 1024 SXGA VESA 43 Hz	46.433	43.436	P/P	○	○	○
16	800 x 600 SXGA VESA 56 Hz	35.156	56.250	P/P	○	○	○	35	SGI-5	53.516	50.062	N/N	○	○	○
17	SXGA VESA 60 Hz	37.879	60.317	P/P	○	○	○	36	SXGA VESA 60 Hz	63.974	60.013	P/P	○	○	○
18	SXGA VESA 72 Hz	48.077	72.188	P/P	○	○	○	37	SXGA VESA 75 Hz	79.976	75.025	P/P	○	○	○
19	SXGA VESA 75 Hz	46.875	75.000	P/P	○	○	○	38	SXGA VESA 85 Hz	91.146	85.024	P/P	○	-	○



		VPL-XC50U/XC50M	VPL-SC60U/SC60M
<b>Optical</b>			
Projection system		3 LCD panels, 1 lens projection system	←
LCD Panel		0.9-inch p-Si TFT, with Micro Lens Array	0.9-inch p-Si TFT, with Metal Mask, SVGA
Projection lens		1.2 times zoom, F 2.0 to 2.3, f 36.0 to 43.5 mm	←
Lamp		120 W UHP	←
Screen coverage*1		40 to 150 inches	←
Light output		600 ANSI lumens*2	650 ANSI lumens*2
Throwing distance	40-inch	1540 to 1830 mm (60 3/4 to 72 1/8 inches)	1550 to 1830 mm (61 1/8 to 72 1/8 inches)
	60-inch	2350 to 2770 mm (92 5/8 to 109 1/8 inches)	2360 to 2780 mm (93 to 109 1/2 inches)
	80-inch	3160 to 3720 mm (124 1/2 to 146 1/2 inches)	3170 to 3720 mm (124 7/8 to 146 1/2 inches)
	100-inch	3970 to 4660 mm (156 3/8 to 183 1/2 inches)	3980 to 4670 mm (156 3/4 to 184 inches)
	120-inch	4780 to 5600 mm (188 1/4 to 220 1/2 inches)	4790 to 5610 mm (188 5/8 to 221 inches)
	150-inch	6000 to 7010 mm (236 1/4 to 276 1/32 inches)	6010 to 7030 mm (236 21/32 to 276 13/16 inches)
<b>General</b>			
Resolution	Video	750 TV lines	600 TV lines
	RGB	1024 x 768 dots	800 x 600 dots
Acceptable signal		RGB (FH: 15 - 91 kHz, FV: 43 - 85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video	RGB (FH: 15 - 91 kHz, FV: 43 - 85 Hz), 15 kHz component 50/60 Hz system, Composite video, Y/C video
Color system		NTSC, PAL, SECAM, NTSC <sup>4,4s</sup> , PAL-M (Automatically/manually selected)	←
Speaker		Max. 0.5 W x 2	←
Power requirements		100 to 120, 220 to 240 V, 50/60 Hz (UL listed for 120 V operation)	←
Power consumption		Max. 190 W, Standby 5 W	Max. 190 W, Standby 5 W
Heat dissipation		648.37 BTU	←
Dimensions		107 (W) x 218 (H) x 314 (D) mm (4 1/4 x 8 1/4 x 12 3/8 inches)	←
Mass		3.7 kg (8 lb 2 oz)	←
Operating temperature		0° to 40°C (32 to 104°F)	←
Operating humidity		35 to 85 %	←
<b>Input/Output</b>			
VIDEO IN	Composite video	Phono type x 1	←
	S video	Mini DIN 4-pin	←
AUDIO IN		Phono type x 2 (stereo)	←
INPUT A	Analog RGB/Component, sync	HD D-sub 15-pin (Female)	←
MOUSE IN		Square 13-pin (Female)	←
AUDIO IN		Stereo Mini jack	←
AUDIO OUT (variable out)		Stereo Mini jack	←
<b>Safety regulations</b>			
		U model: UL 1950 and cUL 1950, FCC Class-A, IC Class-A, DHHS(Laser)	←
		M model: EN 60 950, CE, C-Tick, EN 60 825-1(Laser)	
<b>Laser beam</b>			
	Laser type	Class II	←
	Wave length	645 nm	
	Output	1 mW	
<b>Supplied accessories</b>			
		Remote control unit RM-PJM600, Video signal cable SMF-401, Mouse cables SIC-S20/S22, Audio visual cable, AA size battery (2), Strap for remote control unit, AC power cord, Air filter, Operating manual, Quick reference sheet, Macintosh adaptor, Warranty card (for U model only)	←

\*1 Viewable area, measured diagonally \*2 ANSI lumen is a measuring method of American National Standards Institute ANSI IT 7.228

## Connectors



VPL-X1000U/X1000M /S900U/S900M



VPL-X600U MkII /X600M MkII



VPL-XC50U/XC50M /SC60U/SC60M

## Control Panels



VPL-X1000U/S900U/X600U MkII /X1000M/S900M/X600M MkII



VPL-XC50U/XC50M /SC60U/SC60M

# SONY

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