SONY®

Data Projector

VPD-LE100

VPD-LE100

Sony has created a new standard in large-venue projector performance with the launch of the VPD-LE100. The VPD-LE100 provides stunning pictures, stable performance, ease of operation and impeccable reliability, realized by years of experience in projector technology.

In action, the first impression of the VPD-LE100 is the amazing brightness of the projected picture. At 10,000 ANSI lumens, it has tremendous audience impact. Then there is the eye-catching image quality. Colors are rich and saturated, with the superb resolution maintained right to the corners of the picture – all eyes will undoubtedly be drawn to these incredible large-screen images.

Complementing the current range of Sony projectors, the VPD-LE100 offers you a major, future-proofed enhancement in the power of visual expression – use this power to bring a whole new world of imagery to your audience.

A New Standard in Projector Performance

Sony projectors have an established reputation for providing outstanding picture quality, and the VPD-LE100 builds on this reputation. Digital Light Processing™ (DLP™), a Texas Instruments technology, is combined with the power of Sony video technologies to bring you brilliant images.

Outstanding Brightness

The VPD-LE100 projects images on to the screen with the outstanding brightness of 10,000 ANSI lumens.

Brilliant Color Reproduction

The VPD-LE100 provides highly accurate, natural color reproduction. Projected images are very clear and natural.

- 13-bit signal processing brings a very high standard of color reproduction and an accurate brightness grayscale. Projected images have a noticeably smooth quality, which is maintained right across large-screen displays.
- The Xenon lamp used in the VPD-LE100 has a flat-spectrum characteristic that contributes to the optimum balance of the R, G and B elements of the input signal. This results in the same natural, rich color reproduction that is seen when using a film projector.

Precise Image Reproduction

The VPD-LE100 provides real SXGA resolution. The details of the original images are maintained, while precise and smooth images are reproduced with Sony Digital Reality Creation™ (DRC™) technology and a 2-3 pull down technique*.

- DRC generates video pictures that have a resolution that is effectively four times that of a conventional video signal. This results in the projection of high-density images in which the details of the objects are enhanced.
- A 2-3 pull-down technique (similar to that used in telecine equipment) helps reproduce detailed pictures from film-originated signals.

* 2-3 pull down is applicable only to NTSC (525/60), NTSC4.43 and PAL-M signals.

System Versatility

System versatility is another important feature of this Sony projector. To maximize its use in different applications, the VPD-LE100 is equipped to handle a variety of sources.

Multiscan Capability

The VPD-LE100 is compatible with component (Y/R-Y/B-Y) and RGB video, as well as computer signals (up to UXGA, 1600 x 1200, fV: 75 Hz) with a horizontal frequency of 15 to 100 kHz and a vertical frequency of 40 to 120 Hz. Composite signals are also accepted with the addition of an optional input board.

HDTV/DTV Compatibility

With the move towards HDTV and DTV, a wide range of digital signals are accepted as standard. With the optional IFB-LE100 board installed, this range is widened to even include HD SDI.

HDTV and DTV Signal Chart

System	Scanning Rate (kHz)	Frame Rate (Hz)*	Scanning Format	Aspect	Standard
1035/60I	33.75	30	2:1 Interlace	16:9	BTA S-001B
1080/60I	33.75	30	2:1 Interlace	16:9	SMPTE 274M/BTA S-001B
480/60P	31.5	60	Progressive	16:9/4:3	SMPTE 293M
1080/24PsF	27	24	2:1 Interlace	16:9	—
1080/50I	28.13	25	2:1 Interlace	16:9	SMPTE 274M
720/60P	45	60	Progressive	16:9	SMPTE 296M
720/50P	37.5	60	Progressive	16:9	—

*Each of the above frame rates is also compatible with 1/1.001.

Multiple Input Capability

The option slots* in the rear panel accept a range of Sony IFB Interface Boards, allowing multiple sources to be connected to the VPD-LE100 at the same time. The use of a Sony PC-3000 Signal Interface Switcher will further enhance the ability of the VPD-LE100 to handle multiple input signals.

* INPUT D is exclusively for the IFB-LE100 HD SDI board.

RS-232C/422A Communication Port

The VPD-LE100 provides a standard RS-232C/422A communication port for remote system control. A PJ COM* interface, which provides simple daisy-chain connection and intelligent mutual communication between multiple projectors, switchers and computers, is also provided.

* PJ COM is in accordance with RS-485 protocol.

Flexible Performance

The excellent flexibility of the VPD-LE100 should also be noted. It is designed for use in variety of installation situations, and its compact dimensions make it easy to install in locations where space is limited.

Optional Lenses

A variety of optional lenses is available, enabling the VPD-LE100 to be customized to any application environment.

VPDL-Z1014
• 1.3 times zoom short focus lens
• f23.5-44.6 mm/F3.0

VPDL-Z1019
• 1.2 times zoom standard focus lens
• f44.6-54.5 mm/F3.0

VPDL-Z1023
• 1.6 times zoom middle focus lens
• f54.5-87.0 mm/F3.0

VPDL-Z1037
• 1.8 times zoom long focus lens
• f87.0-152.3 mm/F3.0

Cinema Black Mode

The lamp drive wattage can be switched to a "cinema black" mode, a condition which is ideal for viewing film sources. With the "cinema black" mode ON, the brightness is reduced and the black areas of the picture become denser, giving the projected image a more "cinematic" look.

Easy Set-up and Operation

The VPD-LE100 equipped with a variety of helpful functions is very easy to set-up and operate.

• Pixel alignment is automated. Just by pressing the APA (Auto Pixel Alignment) key, the signal processing is adjusted for optimum image quality.
• Power Focus and Power Zoom functions are easily controlled from the control panel or the supplied remote control unit. The Power Lens Shift function, which operates both vertically and horizontally, is very useful when a projector is frequently moved from one location to another.
• Choice of color temperature, video set-up level and component level are all included.
• Supplied/optional remote control units and an on-screen display add to the ease with which the VPD-LE100 is controlled.
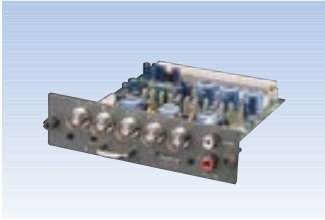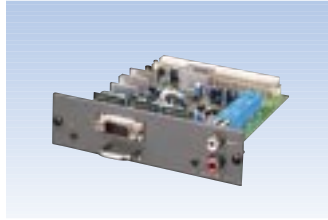

RM-PJ1001 (Supplied)

RM-PJ3000S (Optional)
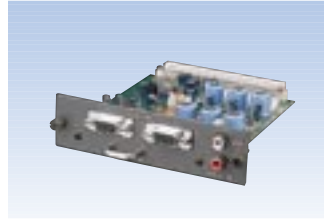
Optional Accessories

• Interface Boards

IFB-12A
- 5 BNC input/output
- Accepts analog RGB, component (Y/R-Y/ B-Y), HDTV (Y/P$_B$/P$_R$, GBR), composite video and Y/C signals
- RGB bandwidth of 300 MHz
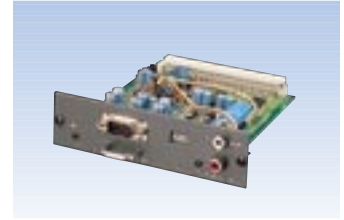- Cable compensation function for output signals (150 MHz)

IFB-20
- Analog RGB input/output
- RGB bandwidth of 120 MHz

IFB-21
- Analog RGB input, with loop-through output (HD D-sub 15-pin)
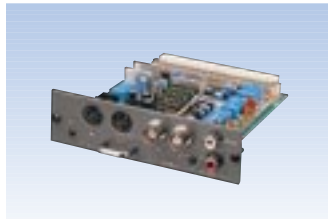- RGB bandwidth of 150 MHz

IFB-30
- Digital RGB input (D-sub 9-pin)
- Monochrome/8 color/16 color/64 color mode switchable
- RGB bandwidth of 30 MHz

IFB-50
- Component SDI BNC input/output
- Serial Digital Interface board for SMPTE 259 M-C/ITU-R BT656-3 4:2:2 video signals

IFB-1000
- Composite/Y/C video input (Loop-through BNC/Loop-through Mini DIN 4-pin)

IFB-LE100
- HD SDI BNC input/output
- Serial Digital Interface board for 1035/60I, 1080/60I, 1080/24PsF and 1080/50I

• Signal Interface Switcher

PC-3000
- 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.
- In addition to its RS-232C/RS422A communication port, the PC-3000 is also equipped with a PJ COM port, in accordance with RS-485. This enables mutual communication between projectors and the PC-3000, expanding the versatility of system set-up.
- Incorporates an LCD display in the front panel for easier setting and adjustment.
- Input selection of a connected projector, as well as the input selection of the PC-3000 itself, can be controlled via the front panel.
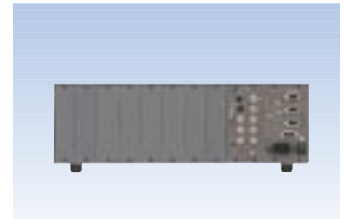
• Interface Cables
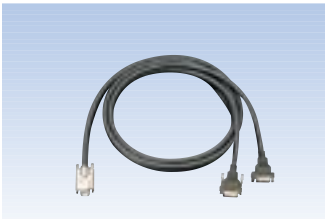
SIC-20A/20B/20C
- Analog RGB
- D-sub 9-pin (female) to D-sub 9-pin (female)/D-sub 9-pin (male)
- Length: overall 2 m (6.6 ft) branch 0.2 m (0.7 ft)

SMF-400
- HD D-sub 15-pin to 5 BNC
- Length: overall 2 m (6.6 ft)

SIC-21
- Analog RGB
- D-sub 9-pin (female) to D-sub 9-pin (female)/D-sub 9-pin (male)
- Length: overall 2 m (6.6 ft) branch 0.2 m (0.7 ft)

SIC-22
- Analog RGB with digital sync
- D-sub 9-pin (female) to D-sub 15-pin High Density (female)/D-sub 15-pin High Density (male)
- Length: overall 2 m (6.6 ft) branch 0.2 m (0.7 ft)

SMF-401
- HD D-sub 15-pin to HD D-sub 15-pin
- Length: overall 2 m (6.6 ft)

RCC-5G/10G/30G
- 9-pin remote cable for RS-232C/ 422A
- D-sub 9-pin (male) to D-sub 9-pin (male)
- Length: 5, 10 and 30 m

• Lamp

LMP-L2000
- Xenon lamp

• Others

ADP-10
- Signal adaptor, HD D-sub 15-pin to D-sub 9-pin

ADP-20
- Signal adaptor, Macintosh® to VGA

VPS-100FH
- 100-inch flat screen*

VPS-120FH
- 120-inch flat screen*

* Viewable area, measured diagonally.

RM-PJ10
- Remote control receiver

Installation Examples

unit: mm (inches)

Lens: VPDL-Z1014   4:3

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	2090 (82 1/8)	3030 (119)	6150 (242)	9270 (365 1/8)	12400 (488 1/8)	15520 (611 1/8)	21770 (857 1/4)
	max	2780 (109 1/2)	4030 (158 3/4)	8190 (322 7/8)	12360 (486 7/8)	16530 (651)	20690 (815 1/8)	29030 (1143 1/8)
b	min	X - 568 (X - 22 3/8)	X - 812 (X - 32)	X - 1625 (X - 64)	X - 2438 (X - 96)	X - 3251 (X - 128)	X - 4064 (X - 160)	X - 5689 (X - 224)
	max	X + 568 (X + 22 3/8)	X + 812 (X + 32)	X + 1625 (X + 64)	X + 2438 (X + 96)	X + 3251 (X + 128)	X + 4064 (X + 160)	X + 5689 (X + 224)
c	min	X - 786 (X - 31)	X - 1029 (X - 40 5/8)	X - 1842 (X - 72 5/8)	X - 2655 (X - 104 5/8)	X - 3468 (X - 136 5/8)	X - 4281 (X - 168 5/8)	X - 5906 (X - 232 5/8)
	max	X + 369 (X + 14 5/8)	X + 613 (X + 24 1/4)	X + 1425 (X + 56 1/4)	X + 2238 (X + 88 1/4)	X + 3051 (X + 120 1/4)	X + 3864 (X + 152 1/4)	X + 5489 (X + 216 1/4)

Lens: VPDL-Z1019   4:3

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	2850 (112)	4100 (161 1/8)	8250 (324 7/8)	12410 (488 5/8)	16570 (652 3/8)	20730 (816 1/8)	29050 (1143 5/8)
	max	3460 (136 3/8)	4980 (196 3/8)	10060 (396 1/2)	15150 (596 5/8)	20230 (796 3/4)	25310 (996 7/8)	35480 (1397 1/8)
b	min	X - 568 (X - 22 3/8)	X - 812 (X - 32)	X - 1625 (X - 64)	X - 2438 (X - 96)	X - 3251 (X - 128)	X - 4064 (X - 160)	X - 5689 (X - 224)
	max	X + 568 (X + 22 3/8)	X + 812 (X + 32)	X + 1625 (X + 64)	X + 2438 (X + 96)	X + 3251 (X + 128)	X + 4064 (X + 160)	X + 5689 (X + 224)
c	min	X - 786 (X - 31)	X - 1029 (X - 40 5/8)	X - 1842 (X - 72 5/8)	X - 2655 (X - 104 5/8)	X - 3468 (X - 136 5/8)	X - 4281 (X - 168 5/8)	X - 5906 (X - 232 5/8)
	max	X + 369 (X + 14 5/8)	X + 613 (X + 24 1/4)	X + 1425 (X + 56 1/4)	X + 2238 (X + 88 1/4)	X + 3051 (X + 120 1/4)	X + 3864 (X + 152 1/4)	X + 5489 (X + 216 1/4)

Lens: VPDL-Z1014   5:4

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	1950 (76 3/4)	2830 (111 1/4)	5760 (226 5/8)	8690 (342)	11620 (457 3/8)	14550 (572 5/8)	20410 (803 3/8)
	max	2590 (102 3/8)	3770 (148 1/2)	7670 (302 3/8)	11580 (456 1/8)	15490 (610)	19390 (763 7/8)	27210 (1071 1/2)
b	min	X - 533 (X - 21)	X - 762 (X - 30)	X - 1524 (X - 60)	X - 2286 (X - 90)	X - 3048 (X - 120)	X - 3810 (X - 150)	X - 5334 (X - 210)
	max	X + 533 (X + 21)	X + 762 (X + 30)	X + 1524 (X + 60)	X + 2286 (X + 90)	X + 3048 (X + 120)	X + 3810 (X + 150)	X + 5334 (X + 210)
c	min	X - 750 (X - 29 5/8)	X - 979 (X - 38 5/8)	X - 1741 (X - 68 5/8)	X - 2503 (X - 98 5/8)	X - 3265 (X - 128 5/8)	X - 4027 (X - 158 5/8)	X - 5551 (X - 218 5/8)
	max	X + 333 (X + 13 1/4)	X + 562 (X + 22 1/4)	X + 1324 (X + 52 1/4)	X + 2086 (X + 82 1/4)	X + 2848 (X + 112 1/4)	X + 3610 (X + 142 1/4)	X + 5134 (X + 202 1/4)

Lens: VPDL-Z1019   5:4

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	2670 (104 7/8)	3840 (150 7/8)	7740 (304 3/8)	11630 (457 7/8)	15530 (611 3/8)	19430 (764 7/8)	27230 (1072)
	max	3230 (127 5/8)	4660 (183 7/8)	9430 (371 1/2)	14190 (559 1/8)	18960 (746 3/4)	23720 (934 3/8)	33250 (1309 5/8)
b	min	X - 533 (X - 21)	X - 762 (X - 30)	X - 1524 (X - 60)	X - 2286 (X - 90)	X - 3048 (X - 120)	X - 3810 (X - 150)	X - 5334 (X - 210)
	max	X + 533 (X + 21)	X + 762 (X + 30)	X + 1524 (X + 60)	X + 2286 (X + 90)	X + 3048 (X + 120)	X + 3810 (X + 150)	X + 5334 (X + 210)
c	min	X - 750 (X - 29 5/8)	X - 979 (X - 38 5/8)	X - 1741 (X - 68 5/8)	X - 2503 (X - 98 5/8)	X - 3265 (X - 128 5/8)	X - 4027 (X - 158 5/8)	X - 5551 (X - 218 5/8)
	max	X + 333 (X + 13 1/4)	X + 562 (X + 22 1/4)	X + 1324 (X + 52 1/4)	X + 2086 (X + 82 1/4)	X + 2848 (X + 112 1/4)	X + 3610 (X + 142 1/4)	X + 5134 (X + 202 1/4)

VPD-LE100 Input Signal Preset Data

Memory No.		Preset Signal	fH (kHz)	fV (kHz)	H/V Polarity	Size
1	VIDEO	60 Hz	15.734	59.940	N/N	–
2		50 Hz	15.625	50.000	N/N	–
3	15 kHz RGB	480/60I	15.734	59.940	S on G	–
4		575/50I	15.625	50.000	S on G	–
5	HDTV/DTV	1035/60I, 1080/60I	33.750	60.000	S on G	1543
6	640x350	VGA-1 (VGA350)	31.469	70.086	P/N	800
7		VESA 85 (VGA350)	37.861	85.080	P/N	832
8	640x400	NEC PC98	24.823	56.416	N/N	848
9		VGA-2 (TEXT)/ VESA 70	31.469	70.086	N/P	800
10		VESA 85 (VGA400)	37.861	85.080	N/P	832
11	640x480	VESA 60	31.469	59.940	N/N	800
12		Mac 13	35.000	66.667	S on G	864
13		VESA 72	37.861	72.809	N/N	832
14		VESA 75 (IBM M3)	37.500	75.000	N/N	840
15		VESA 85 (IBM M4)	43.269	85.008	N/N	832
16	800x600	VESA 56	35.156	56.250	P/P	1024
17		VESA 60	37.879	60.317	P/P	1056
18		VESA 72	48.077	72.188	P/P	1040
19		VESA 75 (IBM M5)	46.875	75.000	P/P	1056
20		VESA 85	53.674	85.061	P/P	1048
21	832x624	Mac 16	49.724	74.550	N/N	1152
22	1024x768	VESA 43 (8514)	35.524	43.479	P/P	1264
23		VESA 60	48.363	60.004	N/N	1344
24		VESA 70	56.476	69.955	N/N	1328
25		VESA 75	60.023	75.029	P/P	1312
26		VESA 85	68.677	84.997	P/P	1376

Memory No.		Preset Signal	fH (kHz)	fV (kHz)	H/V Polarity	Size
27	1152x864	VESA 70	63.995	70.019	P/P	1472
28		VESA 75	67.500	75.000	P/P	1600
29		VESA 85	77.487	85.057	P/P	1568
30	1152x900	SUN LO	61.795	65.960	N/N	1504
31		SUN HI	71.713	76.047	C Neg	1472
32	1280x960	VESA 60	60.000	60.000	P/P	1800
33		VESA 75	75.000	75.000	P/P	1728
34	1280x1024	VESA 43	46.433	43.436	P/P	1696
35		SGI-5	53.316	50.062	S on G	1680
36		VESA 60	63.974	60.013	P/P	1696
37		SXGA VESA 75	79.976	75.025	P/P	1688
38		SXGA VESA 85	91.146	85.024	P/P	1728
39	1600x1200	UXGA VESA 60	75.000	60.000	P/P	1689
40		UXGA VESA 65	81.913	65.530	P/P	1689
41		UXGA VESA 75	93.750	75.000	P/P	1689
43	P. Component	480/60P (Progressive)	31.470	60.000	S on G	1605
44		575/50P (Progressive)	31.250	50.000	S on G	1616
45	HDTV/DTV	1080/50I	28.130	50.000		1852
47		720/60P	45.000	60.000		1736
48		720/50P	37.500	50.000		2084
49		1080/24PsF	27.000	48.000		1929
51	FILM/60P	Pull-down 60P (VIDEO)	15.730	59.940	N/N	–
52		Pull-down 60P (15 K)	15.730	59.940	N/N	–

Lens: VPDL-Z1023 — 4:3

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	3400 (133 7/8)	4930 (193 7/8)	10010 (394 1/8)	15100 (594 3/8)	20180 (794 5/8)	25270 (994 7/8)	35440 (1395 1/4)
a	max	5460 (215 1/4)	7900 (311 1/8)	16010 (630 5/8)	24120 (950 1/8)	32240 (1269 5/8)	40350 (1589 1/8)	56580 (2228 1/4)
b	min	X - 568 (X - 22 3/8)	X - 812 (X - 32)	X - 1625 (X - 64)	X - 2438 (X - 96)	X - 3251 (X - 128)	X - 4064 (X - 160)	X - 5689 (X - 224)
b	max	X + 568 (X + 22 3/8)	X + 812 (X + 32)	X + 1625 (X + 64)	X + 2438 (X + 96)	X + 3251 (X + 128)	X + 4064 (X + 160)	X + 5689 (X + 224)
c	min	X - 786 (X - 31)	X - 1029 (X - 40 5/8)	X - 1842 (X - 72 5/8)	X - 2655 (X - 104 5/8)	X - 3468 (X - 136 5/8)	X - 4281 (X - 168 5/8)	X - 5906 (X - 232 5/8)
c	max	X + 369 (X + 14 5/8)	X + 613 (X + 24 1/4)	X + 1425 (X + 56 1/4)	X + 2238 (X + 88 1/4)	X + 3051 (X + 120 1/4)	X + 3864 (X + 152 1/4)	X + 5489 (X + 216 1/4)

Lens: VPDL-Z1037 — 4:3

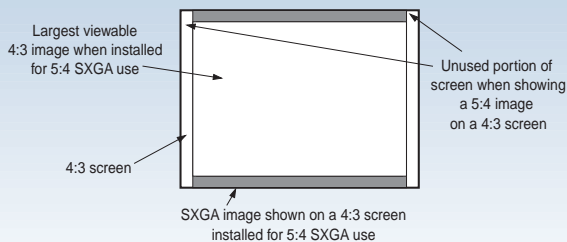| Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	5500 (216 1/4)	7940 (312 1/4)	16070 (632 1/2)	24200 (952 5/8)	32330 (1272 3/4)	40460 (1592 7/8)	56720 (2233 1/8)
a	max	9660 (380 5/8)	13930 (548 1/2)	28150 (1108 1/2)	42360 (1668 3/8)	56580 (2228 1/4)	70800 (2788 1/4)	99240 (3908)
b	min	X - 568 (X - 22 3/8)	X - 812 (X - 32)	X - 1625 (X - 64)	X - 2438 (X - 96)	X - 3251 (X - 128)	X - 4064 (X - 160)	X - 5689 (X - 224)
b	max	X + 568 (X + 22 3/8)	X + 812 (X + 32)	X + 1625 (X + 64)	X + 2438 (X + 96)	X + 3251 (X + 128)	X + 4064 (X + 160)	X + 5689 (X + 224)
c	min	X - 786 (X - 31)	X - 1029 (X - 40 5/8)	X - 1842 (X - 72 5/8)	X - 2655 (X - 104 5/8)	X - 3468 (X - 136 5/8)	X - 4281 (X - 168 5/8)	X - 5906 (X - 232 5/8)
c	max	X + 369 (X + 14 5/8)	X + 613 (X + 24 1/4)	X + 1425 (X + 56 1/4)	X + 2238 (X + 88 1/4)	X + 3051 (X + 120 1/4)	X + 3864 (X + 152 1/4)	X + 5489 (X + 216 1/4)

Lens: VPDL-Z1023 — 5:4

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	3180 (125 1/8)	4610 (181 3/8)	9380 (369 1/8)	14150 (556 7/8)	18910 (744 1/2)	23680 (932 1/4)	33210 (1307 3/4)
a	max	5110 (201 1/8)	7390 (291 1/8)	15000 (590 3/4)	22600 (890 1/4)	30210 (1189 3/4)	37820 (1489 3/8)	53030 (2088 3/8)
b	min	X - 533 (X - 21)	X - 762 (X - 30)	X - 1524 (X - 60)	X - 2286 (X - 90)	X - 3048 (X - 120)	X - 3810 (X - 150)	X - 5334 (X - 210)
b	max	X + 533 (X + 21)	X + 762 (X + 30)	X + 1524 (X + 60)	X + 2286 (X + 90)	X + 3048 (X + 120)	X + 3810 (X + 150)	X + 5334 (X + 210)
c	min	X - 750 (X - 29 5/8)	X - 979 (X - 38 5/8)	X - 1741 (X - 68 5/8)	X - 2503 (X - 98 5/8)	X - 3265 (X - 128 5/8)	X - 4027 (X - 158 5/8)	X - 5551 (X - 218 5/8)
c	max	X + 333 (X + 13 1/4)	X + 562 (X + 22 1/4)	X + 1324 (X + 52 1/4)	X + 2086 (X + 82 1/4)	X + 2848 (X + 112 1/4)	X + 3610 (X + 142 1/4)	X + 5134 (X + 202 1/4)

Lens: VPDL-Z1037 — 5:4

Screen Size (inches)		70	100	200	300	400	500	700
Floor Installation								
a	min	5140 (202 1/4)	7430 (292 1/4)	15050 (592 3/8)	22670 (892 5/8)	30290 (1192 3/4)	37920 (1492 7/8)	53160 (2093 1/8)
a	max	9040 (356 1/8)	13040 (513 5/8)	26370 (1038 5/8)	39700 (1563 3/8)	53030 (2088 1/4)	66360 (2613 1/8)	93020 (3663)
b	min	X - 533 (X - 21)	X - 762 (X - 30)	X - 1524 (X - 60)	X - 2286 (X - 90)	X - 3048 (X - 120)	X - 3810 (X - 150)	X - 5334 (X - 210)
b	max	X + 533 (X + 21)	X + 762 (X + 30)	X + 1524 (X + 60)	X + 2286 (X + 90)	X + 3048 (X + 120)	X + 3810 (X + 150)	X + 5334 (X + 210)
c	min	X - 750 (X - 29 5/8)	X - 979 (X - 38 5/8)	X - 1741 (X - 68 5/8)	X - 2503 (X - 98 5/8)	X - 3265 (X - 128 5/8)	X - 4027 (X - 158 5/8)	X - 5551 (X - 218 5/8)
c	max	X + 333 (X + 13 1/4)	X + 562 (X + 22 1/4)	X + 1324 (X + 52 1/4)	X + 2086 (X + 82 1/4)	X + 2848 (X + 112 1/4)	X + 3610 (X + 142 1/4)	X + 5134 (X + 202 1/4)

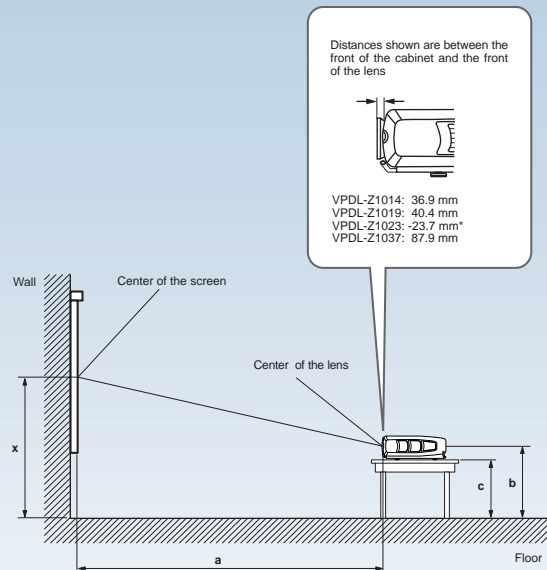## 4:3 screen installed for use with 4:3 aspect ratio sources

4:3 screen

Portion of 5:4 SXGA image that will not fit on 4:3 screen*

SXGA image shown on a 4:3 screen installed for 4:3 use
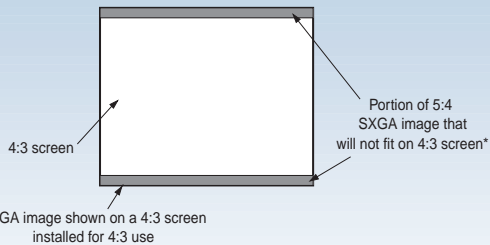
*Mode available to show entire 5:4 image on a 4:3 screen

4:3 screen installed for use with 5:4 aspect ratio SXGA source

Largest viewable 4:3 image when installed for 5:4 SXGA use

Unused portion of screen when showing a 5:4 image on a 4:3 screen

4:3 screen

SXGA image shown on a 4:3 screen installed for 5:4 SXGA use

Floor Installation

Distances shown are between the front of the cabinet and the front of the lens

VPDL-Z1014: 36.9 mm
VPDL-Z1019: 40.4 mm
VPDL-Z1023: -23.7 mm*
VPDL-Z1037: 87.9 mm

Wall

Center of the screen

Center of the lens

x

c

b

a

Floor

a: Distance between the screen and the center of the lens
b: Distance between the floor and the center of the lens
c: Distance between the floor and the bottom of the adjusters
x: Free

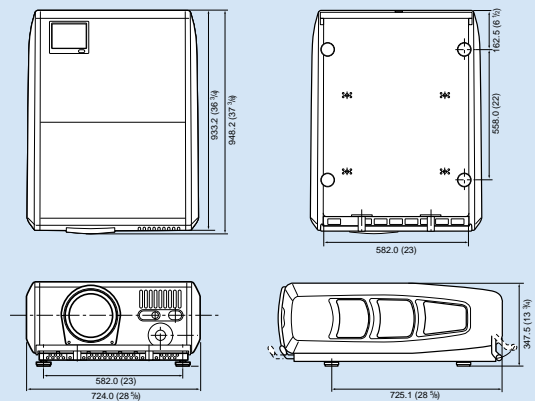* The VPDL-Z1023 lens is recessed from the front of the cabinet.

Specifications

OPTICAL

Projection system:	3 Digital Micromirror Device™ (DMD™) panels, 3 panel prism color integration system
DMD panel:	SXGA DMD panel, 3,932,160 pixels (1,310,720 x 3 panels)
Lamp:	Xenon lamp
Screen coverage:	70 to 700 inches (Viewable area, measured diagonally)
Light output:	10,000 ANSI lumens*1

GENERAL

Color system:	NTSC/PAL/SECAM/NTSC4.43/PAL-M automatically selected
Resolution:	600 TV lines (Video) 1280 x 1024 pixels (RGB)
Scanning frequency:	Horizontal: 15 kHz to 100 kHz Vertical: 40 Hz to 120 Hz Display area: >6.4 usec
Power requirements:	AC 220 to 240 V, 50/60 Hz
Power consumption:	Approx. 2.8 kW, standby: approx. 40 W
Heat dissipation:	9556 BTU
Operating temperature:	10 to 35°C (50 to 90°F)
Operating humidity:	35 to 85% (No condensation)
Storage temperature:	0 to 35°C (32 to 90 °F)
Storage humidity:	10 to 90%
Dimensions:	724 (W) x 347.5 (H) x 948.2 (D) mm (28 5/8 x 13 3/4 x 37 3/8 inches)
Mass:	Approx. 95 kg (209 lb)

INPUTS/OUTPUTS

Input A:	
Analog RGB/Component: BNC x 5	
R/R-Y:	0.7 Vp-p ±2 dB positive, 75 Ω
G:	0.7 Vp-p ±2 dB positive, 75 Ω
Y/G with sync:	1.0 Vp-p ±2 dB sync negative, 75 Ω
B/B-Y:	0.7 Vp-p ±2 dB positive, 75 Ω
SYNC/HD	
Composite sync:	0.6 to 8.0 Vp-p, high impedance, sync positive/negative
Horizontal sync:	0.6 to 8.0 Vp-p, high impedance, sync positive/negative
Vertical sync:	0.6 to 8.0 Vp-p high impedance, sync positive/negative
STV/HDVS (Y/PB/PR):	BNC
Y:	1.0 Vp-p ±2 dB positive, 75 Ω Tri-level sync: ±0.3 Vp-p, Bi-level sync: 0.3 Vp-p
PB/PR:	±0.35 Vp-p ±2 dB positive, 75 Ω
DTV/HDVS (GBR):	BNC
G with sync:	1.0 Vp-p ±2 dB, 75 Ω Tri-level sync: ±0.3 Vp-p, Bi-level sync: 0.3 Vp-p
B/R:	0.7 Vp-p ±2 dB positive, 75 Ω
Input B/C:	Open for optional IFB boards
Input D:	Open for optional IFB-LE100
CONTROL S IN/ PLUG IN POWER:	Stereo mini-jack 5.0 Vp-p, Plug in power DC 5 V, max. output 60 mA
CONTROL S OUT:	Stereo mini jack 5.0 Vp-p
REMOTE I/F RS-232C/422A:	D-sub 9-pin (female) selectable
TRIG:	Mini-jack Power On: 12 V Power Off: 0 V Output impedance: 4.7 kΩ

SAFETY REGULATIONS

	UL1950, cUL950, FCC Class A, IC Class A, VCCI Class A, JEIDA, EN60 950 (TÜV), CE, C-tick

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

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

ACCESSORIES

Supplied accessories:	Remote control unit RM-PJ1001 Remote control unit cable (15 m) AA size battery (x3) AC power cord PJ COM termination Lens ring Operating manual Installation manual
Optional accessories:	1.3 times zoom lens VPDL-Z1014 1.2 times zoom lens VPDL-Z1019 1.6 times zoom lens VPDL-Z1023 1.8 times zoom lens VPDL-Z1037 Projector lamp (for replacement) LMP-L2000 Signal adaptor HD D-sub 15-pin to D-sub 9-pin (for SIC Cable) ADP-10 Signal adaptor Macintosh to VGA ADP-20 D-sub HD 15-pin to 5 BNC cable SMF-400 D-sub HD 15-pin to D-sub HD 15-pin SMF-401 Interface board IFB-12A/20/21/30/1000/50/LE100 Signal interface cable SIC-20A/20B/20C/21/22 Signal interface switcher PC-3000 9-pin remote cable RCC-5G/10G/30G (for RS-422A) Remote control unit RM-PJ3000S Remote control receiver RM-PJ10 100-inch flat screen VPS-100FH*2 120-inch flat screen VPS-120FH*2

DIMENSIONS

unit: mm (inches)

Control Panel

Connector Section

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