

## Ultra-portable projectors for people on the MOVE







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Now there's one less thing to worry about when you're rushing to make that meeting or presentation. Just grab the VPL-CX1/CS2, and in the time it takes to plug in your notebook computer, you're ready to show your images anywhere. Improved versions of the popular VPL-CS1, the bestselling projector ever, these two new models are not only light and compact, they are packed with many impressive functions. Stylishly designed, they make operation easy with user-friendly menus and a versatile remote control.

# Clear, bright, convenient presentations are always within your grasp.

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#### Ultra-compact and Lightweight

With Sony 0.7-inch LCD panels and unique chassis, the VPL-CX1/CS2 comes in an extremely compact and light body, at just approximately 2.9 kg (6.4 lb). The attached handle and the carrying case make the unit easy to carry anywhere.

#### Brightness and Resolution

The VPL-CX1 employs three 0.7-inch, true XGA (1024 x 768) resolution LCD panels and offers 550 ANSI lumens brightness, while the VPL-CS2 employs three SVGA (800 x 600) LCD panels and achieves a brightness of 600 ANSI lumens. Images are reproduced with great clarity, letting your presentation look its best.

### Remote Control Function

The supplied RM-PJM10 remote control unit has an integrated mouse receiver for point-andclick control of your connected computer. You can also control the 4-times Digital Zoom function with this remote control unit, zooming in on a section of the presentation for more detail.

#### Digital Keystone Adjustment

Keystone distortion caused by the projection angle can be electronically corrected, up to 15 degrees, via the on-screen menu. You will be able to project square and detailed images on to the screen even with limited setup space.

#### Advanced APA

Dot phase and image size or shift can be automatically adjusted to their optimal settings just by pressing the APA (Auto Pixel Alignment) button.

#### **Smart Design**

The VPL-CX1/CS2 is designed for functionality as well as style. The front cover, which protects the lens from damage when carrying the unit, also serves as the front leg when flipped open. The rear height adjuster enables the projector's shooting angle to be tilted in six steps, allowing you to have the projector ready in position right away.

#### **Easy Setup**

The VPL-CX1/CS2 accepts a wide variety of input signals, with 37 preset signal formats covering any video format used worldwide and PC signals up to SXGA. Just plug in your computer with the supplied cable, and you get a great picture with no need for complex adjustments.

#### **On-screen Display**

The on-screen display menu comes in seven languages: English, French, Spanish, German, Italian, Japanese and Chinese.

#### Low Fan Noise

Quiet operation for undisturbed, smooth presentations.

#### **Stereo Speakers**

Despite its compact size, the VPL-CX1/CS2 comes fully equipped with stereo speakers.

#### USB Compatibility and PROJECTOR STATION Software

The VPL-CX1/CS2 is USBready, and it serves as a USB hub for daisychain connection of multiple devices. With the USB connection the projector can be controlled by a computer, using the **PROJECTOR STATION\*** USB application software. The software also helps you organise your presentation materials for quick access - you can open the files registered in the software with the function keys on the remote control unit.

PROJECTOR STATION version 2.0 software requirements: Microsoft® Windows® 98, Windows® 98 SE or Windows® 2000 operating system.







Digital Keystone Adjustment



RM-PJM10



4-times Digital Zoom



**PROJECTOR STATION version 2.0** 

#### **Specifications**

Specifications					
	VPL-CX1	VPL-CS2			
OPTICAL					
Projection system		ens projection system			
LCD panel	0.7-inch p-Si TFT LCD par				
	2,359,296 pixels (786,432 pixels x 3) 1,440,000 pixels (480,000 pixels x 3)				
Projection lens	1.3 times zoom lens, F1.7 to 2.1, f28.74 to 37.36 mm				
Lamp	120 W UHP lamp				
Screen coverage	40 to 150 inches (viewable area, measured diagonally)				
Light output	550 ANSI lumens <sup>*1</sup> 600 ANSI lumens				
Throwing distance					
40-inch	1580 to 2020 mm	1580 to 2010 mm			
60-inch	2400 to 3070 mm	2390 to 3060 mm			
80-inch	3230 to 4120 mm	3210 to 4100 mm			
100-inch	4050 to 5180 mm	4030 to 5150 mm			
120-inch	4870 to 6230 mm	4850 to 6200 mm			
150-inch	6100 to 7810 mm	6080 to 7780 mm			
SIGNALS					
Colour system	NTSC, PAL, SECAM,	NTSC4.43, PAL-M, PAL-N			
Resolution	VIDEO: 750 TV lines,	VIDEO: 600 TV lines,			
	RGB: 1024 x 768 pixels	RGB: 800 x 600 pixels			
Acceptable signals	RGB (fH: 15 to 91 kHz, fV: 43 to 85 Hz),				
	15 kHz component 50/60 l	Hz system, composite video, Y/C video			
GENERAL					
Cabinet colour	Silky Silver				
Speaker	Max. 0.5 W x 2 (stereo)				
Power requirements	AC 100 to 240 V, 50/60 Hz				
Power consumption	Max. 190 W, Standby 4.2 W				
Operating temperature	0 to 35 °C (32 to 95 °F)				
Operating humidity	35 to 85%				
Dimensions*2	277 (W) x 70 (H) x 214 (D) mm (11 x 2 <sup>7</sup> /8 x 8 <sup>1</sup> /2 inches)				
Mass	Approx. 2.9 kg (6 lb 6 oz)				
Heat dissipation	648.4 BTU				
INPUTS/OUTPUTS					
VIDEO IN					
Composite	Phono type, 1.0 Vp-p $\pm 2$ dB, sync negative, 75 $\Omega$				
Y/C IN	Mini DIN 4-pin				
Y	1.0 Vp-p $\pm 2$ dB, sync negative, 75 $\Omega$				
С	Burst 0.286 Vp-p $\pm$ 2 dB (NTSC), 75 $\Omega$ or 0.3 Vp-p $\pm$ 2 dB (PAL), 75 $\Omega$				
INPUT A					
Analogue RGB/Component	HD D-sub 15-pin (female)				
R/R-Y	0.7 Vp-p $\pm 2$ dB, positive, 75 $\Omega$				
G	0.7 Vp-p $\pm 2$ dB, positive, 75 $\Omega$				
G with Sync/Y	1.0 Vp-p $\pm 2$ dB, sync negative, 75 $\Omega$				
B/B-Y	0.7 Vp-p $\pm 2$ dB, positive, 75 $\Omega$				
SYNC/HD					
Composite sync	1.0 to 5.0 Vp-p, high impedance positive/negative				
Horizontal sync	1.0 to 5.0 Vp-p, high i	mpedance positive/negative			
VD					
Vertical sync	1.0 to 5.0 Vp-p, high impedance positive/negative				
MOUSE IN		n (female)			
USB HUB	Up (B type female) x 1, Down (A type female) x 1				
AUDIO IN	Stereo mini jack, 500 mV rms, impedance more than 47 k $\Omega$				
SAFETY REGULATIONS					
	cUL1950, EN60950, UL1950	, CCIB, FCC class B, IC class B, CE, C-Tick, VCCI B			
SUPPLIED ACCESSORIES					
	Remote Commander RM-PJM10, Signal Cable SMF-410 (2 m): HD D-sub				
	15-pin to D-sub 15-pin, PS/2 Mouse Cable (2 m), USB Cable (2 m): A type				
	to B type, USB Application Software PROJECTOR STATION version 2.0,				
	Carrying Case, AA size Battery (2), Air Filter, AC Power Cord, Operation				
	Manual, Quick Reference Sheet, Warranty Booklet, Conversion Plug Adaptor				

 $^{\star1}$  ANSI lumens is a measuring method of the American National Standards Institute IT7.228.  $^{\star2}$  Excluding protruding parts.

#### Control Panel



#### Connectors



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#### Preset Data of Input Signals

Memory No.         Prest Signal         fH (kHz)         fV (kHz)         H/V (kHz)         P/V Polarity           1         Video 60 Hz         15.734         59.940         N/N           2         Video 50 Hz         15.734         59.940         S on G           3         15 K RGB/Component 60 Hz         15.734         59.940         S on G           5         50.000         S on G         S on G         S on G           6         640 x 350         VGA mode 1         31.469         70.086         P/N           7         VGA VESA 85 Hz         37.861         85.080         N/N           8         640 x 400         PC-9801 Normal         24.823         56.416         N/N           9         VGA VESA 85 Hz         37.861         85.080         N/N           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 75 Hz         37.500         N/N         N/N           14         VGA VESA 75 Hz         35.156         56.250         P/P           17         SVGA VESA 75 Hz         36.74         85.061	FICS	set Data Or input Signals					
2         Video 50 Hz         15.625         50.000         N/N           3         15 K RGB/Component 60 Hz         15.734         59.940         S on G           4         15 K RGB/Component 50 Hz         15.625         50.000         S on G           5	No.		set Signal	(kHz)	(Hz)	Polarity	
3         15 K RGB/Component 60 Hz         15.734         59.940         S on G           4         15 K RGB/Component 50 Hz         15.625         50.000         S on G           5	1	Video 60 Hz		15.734	59.940	N/N	
4         15 K RGB/Component 50 Hz         15.625         50.000         S on G           5		Video 50 Hz		15.625		N/N	
5         5           6         640 x 350         VGA mode 1         31.469         70.086         P/N           7         VGA VESA 85 Hz         37.861         85.080         P/N           8         640 x 400         PC-9801 Normal         24.823         56.416         N/N           9         VGA wesa 85 Hz         37.861         85.080         N/P           10         VGA wesa 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 85 Hz         32.509         85.008         N/N           16         800 x 600         SVGA VESA 56 Hz         35.156         56.250         P/P           17         SVGA VESA 75 Hz         48.875         75.000         P/P           17         SVGA VESA 75 Hz         48.077         72.188         P/P           20         SVGA VESA 75 Hz	3	15 K RGB/Component 60 Hz		15.734	59.940	S on G	
6         640 x 350         VGA mode 1 VGA VESA 85 Hz         31.469         70.086         P/N           8         640 x 400         PC-9801 Normal         24.823         56.416         N/N           9         VGA mode 2         31.469         70.086         N/P           10         VGA WESA 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         50.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 75 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.500         75.000         N/N           16         800 x 600         SVGA VESA 60 Hz         37.879         60.317         P/P           17         SVGA VESA 75 Hz         46.875         75.000         P/P           18         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724		15 K RGB/C	omponent 50 Hz	15.625	50.000	S on G	
7         VGA VESA 85 Hz         37.861         85.080         P/N           8         640 x 400         PC-9801 Normal         24.823         56.416         N/N           9         VGA mode 2         31.469         70.086         N/P           10         VGA VESA 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 85 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.570         75.000         N/N           16         800 x 600         SVGA VESA 60 Hz         37.879         60.317         P/P           17         SVGA VESA 75 Hz         46.875         75.000         P/P           18         SVGA VESA 45 Hz         33.674         85.061         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N	5						
8         640 x 400         PC-9801 Normal         24.823         56.416         N/N           9         VGA mode 2         31.469         70.086         N/P           10         VGA webs 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.879         60.317         P/P           16         800 x 600         SVGA VESA 75 Hz         48.077         72.188         P/P           17         SVGA VESA 75 Hz         48.077         72.188         P/P           18         SVGA VESA 85 Hz         53.674         85.061         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 70 Hz         56.476	6	640 x 350	VGA mode 1	31.469	70.086	P/N	
9         VGA mode 2         31.469         70.086         N/P           10         VGA VESA 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.500         76.00         N/N           16         800 x 600         SVGA VESA 56 Hz         32.69         85.008         N/N           16         800 x 600         SVGA VESA 72 Hz         48.077         72.188         P/P           17         SVGA VESA 75 Hz         46.875         75.000         P/P           18         SVGA VESA 85 Hz         53.674         85.061         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 70 Hz         56.476			VGA VESA 85 Hz	37.861	85.080	P/N	
10         VGA VESA 85 Hz         37.861         85.080         N/P           11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.500         75.000         N/N           16         800 x 600         SVGA VESA 56 Hz         35.156         56.250         P/P           17         SVGA VESA 75 Hz         48.077         72.188         P/P           18         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 70 Hz         56.476         70.069         N/N           23         XGA VESA 75 Hz         60.023         75.029         P/P           24         XGA VESA 70 Hz         66.476         70.069		640 x 400	PC-9801 Normal	24.823	56.416	N/N	
11         640 x 480         VGA mode 3         31.469         59.940         N/N           12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.861         72.809         N/N           15         VGA VESA 75 Hz         37.801         72.809         N/N           16         800 x 600         SVGA VESA 56 Hz         33.269         85.008         N/N           16         800 x 600         SVGA VESA 60 Hz         37.879         60.317         P/P           17         SVGA VESA 75 Hz         48.077         72.188         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 75 Hz         60.023         75.029         P/P           25         XGA VESA 75 Hz         67.500			VGA mode 2	31.469	70.086	N/P	
12         Macintosh 13"         35.000         66.667         S on G           13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 85 Hz         33.269         85.008         N/N           16         800 x 600         SVGA VESA 60 Hz         37.879         60.317         P/P           17         SVGA VESA 60 Hz         37.879         60.317         P/P           18         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 75 Hz         60.023         75.029         P/P           23         XGA VESA 75 Hz         60.023         75.029         P/P           24         XGA VESA 70 Hz         63.975         70.016         P/P           25         XGA VESA 70 Hz         63.975         70.009         N/N <td>10</td> <td></td> <td>VGA VESA 85 Hz</td> <td></td> <td>85.080</td> <td>N/P</td>	10		VGA VESA 85 Hz		85.080	N/P	
13         VGA VESA 72 Hz         37.861         72.809         N/N           14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 75 Hz         37.500         75.000         N/N           16         800 x 600         SVGA VESA 85 Hz         43.269         85.008         N/N           16         800 x 600         SVGA VESA 60 Hz         37.879         60.317         P/P           17         SVGA VESA 75 Hz         46.875         75.000         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 43 Hz         35.524         43.479         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 75 Hz         60.023         75.029         P/P           23         XGA VESA 75 Hz         60.023         75.029         P/P           24         XGA VESA 75 Hz         60.023         75.029         P/P           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 85 Hz         77.487         85.057		640 x 480	VGA mode 3	31.469	59.940	N/N	
14         VGA VESA 75 Hz         37.500         75.000         N/N           15         VGA VESA 85 Hz         43.269         85.008         N/N           16         800 x 600         SVGA VESA 66 Hz         35.156         56.250         P/P           17         SVGA VESA 66 Hz         37.879         60.317         P/P           18         SVGA VESA 72 Hz         48.077         72.188         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 70 Hz         56.476         70.069         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 70 Hz         56.476         70.069         N/N           26         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 70 Hz         56.476         70.069         N/N           27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           27         1152 x 804         SXGA VESA 85 Hz         77.487 </td <td></td> <td></td> <td>Macintosh 13"</td> <td>35.000</td> <td>66.667</td> <td>S on G</td>			Macintosh 13"	35.000	66.667	S on G	
15         VGA VESA 85 Hz         43.269         85.008         N/N           16         800 x 600         SVGA VESA 56 Hz         35.156         56.250         P/P           17         SVGA VESA 60 Hz         37.879         60.317         P/P           18         SVGA VESA 72 Hz         48.077         72.188         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 60 Hz         56.476         70.069         N/N           23         XGA VESA 75 Hz         60.023         75.029         P/P           24         XGA VESA 70 Hz         66.476         70.069         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 70 Hz         63.995         70.016         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         75.000         P/P           27         1152 x 900         Sunmicro LO         61.795					72.809	N/N	
16         800 x 600         SVGA VESA 56 Hz         35.156         56.250         P/P           17         SVGA VESA 60 Hz         37.879         60.317         P/P           18         SVGA VESA 72 Hz         48.077         72.188         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 85 Hz         68.677         84.997         P/P           26         XGA VESA 75 Hz         67.500         75.000         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         P/P           28         SXGA VESA 75 Hz         67.500         P/P         SXGA VESA 75 Hz         65.960         N/N           30         1152 x 900         Sunmicro				37.500	75.000		
17         SVGA VESA 60 Hz         37.879         60.317         P/P           18         SVGA VESA 72 Hz         48.077         72.188         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 75 Hz         46.875         75.000         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 75 Hz         67.500         75.000         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 75 Hz         67.500         75.000         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.7113         76.047	15			43.269	85.008		
18         SVGA VESA 72 Hz         48.077         72.188         P/P           19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 75 Hz         60.023         75.029         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 75 Hz         67.500         75.000         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000	16	800 x 600			56.250		
19         SVGA VESA 75 Hz         46.875         75.000         P/P           20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.699         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 75 Hz         63.995         70.016         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.000         75.000         P/P           28         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         SXGA VESA 60 Hz         60.000         60.000         P/P           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 1024         SXGA VESA 40 Hz         60.000<	17		SVGA VESA 60 Hz	37.879	60.317	P/P	
20         SVGA VESA 85 Hz         53.674         85.061         P/P           21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 70 Hz         60.023         75.029         P/P           26         XGA VESA 70 Hz         63.995         70.016         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.000         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 43 Hz         46.433	18			48.077	72.188	P/P	
21         832 x 624         Macintosh 16"         49.724         74.550         N/N           22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 70 Hz         60.023         75.029         P/P           26         XGA VESA 70 Hz         63.995         70.016         P/P           27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 43 Hz	19		SVGA VESA 75 Hz	46.875	75.000	P/P	
22         1024 x 768         XGA VESA 43 Hz         35.524         43.479         P/P           23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 85 Hz         68.677         84.997         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         P/P           28         SXGA VESA 75 Hz         67.500         P/P           29         SXGA VESA 75 Hz         67.500         P/P           30         1152 x 900         Summicro LO         61.795         65.960         N/N           31         Summicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 43 Hz         46.433         43.436         P/P           34         1280 x 1024         SXGA VESA 40 Hz         60.000         60.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/	20		SVGA VESA 85 Hz	53.674	85.061	P/P	
23         XGA VESA 60 Hz         48.363         60.004         N/N           24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 70 Hz         56.476         70.069         N/N           26         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 85 Hz         68.677         84.997         P/P           27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         74.87         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 40 Hz         60.000         60.000         P/P           33         SCGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         GGI-5         53.516         50.062         S on							
24         XGA VESA 70 Hz         56.476         70.069         N/N           25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 85 Hz         68.677         84.997         P/P           27         1152 x 864         SXGA VESA 75 Hz         67.500         75.000         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SCGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 60 Hz         63.974         60.013         P/P           35         SGI-5         53.516         50.062         S on G         36         SXGA VESA 75 Hz         79.976         75.025         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P	22	1024 x 768	XGA VESA 43 Hz	35.524	43.479	P/P	
25         XGA VESA 75 Hz         60.023         75.029         P/P           26         XGA VESA 85 Hz         68.677         84.997         P/P           27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 40 Hz         63.974         60.013         P/P           35         SGI-5         53.516         50.062         S on G         36         SXGA VESA 75 Hz         79.976         75.025         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P         53.516         50.022         SVP				48.363			
26         XGA VESA 85 Hz         68.677         84.997         P/P           27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SGI-5         53.516         50.062         S on G           34         1280 x 1024         SXGA VESA 40 Hz         63.974         60.013         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 75 Hz         79.976         75.025         P/P           37         SXGA VESA 57 Hz         79.976         75.025         P/P							
27         1152 x 864         SXGA VESA 70 Hz         63.995         70.016         P/P           28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 75 Hz         67.500         75.000         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 900         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P	25		XGA VESA 75 Hz	60.023	75.029		
28         SXGA VESA 75 Hz         67.500         75.000         P/P           29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P							
29         SXGA VESA 85 Hz         77.487         85.057         P/P           30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro LO         61.795         65.960         N/N           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P		1152 x 864					
30         1152 x 900         Sunmicro LO         61.795         65.960         N/N           31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P							
31         Sunmicro HI         71.713         76.047         C Neg           32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P							
32         1280 x 960         SXGA VESA 60 Hz         60.000         60.000         P/P           33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P		1152 x 900					
33         SXGA VESA 75 Hz         75.000         75.000         P/P           34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P	1						
34         1280 x 1024         SXGA VESA 43 Hz         46.433         43.436         P/P           35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P		1280 x 960					
35         SGI-5         53.516         50.062         S on G           36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P							
36         SXGA VESA 60 Hz         63.974         60.013         P/P           37         SXGA VESA 75 Hz         79.976         75.025         P/P		1280 x 1024					
37 SXGA VESA 75 Hz 79.976 75.025 P/P							
38 SXGA VESA 85 Hz 91.146 85.024 P/P							
	38		SXGA VESA 85 Hz	91.146	85.024	P/P	

\* Images may not be reproduced correctly when signals other than the above are input.

#### **Optional Accessories**

Projector Lamp (for replacement) LMP-C120

Signal Cables SMF-400 (HD D-sub 15-pin to 5 BNC, for RGB signal)

**SMF-402** (HD D-sub 15-pin to phono x 3, for component signal)

SMF-410 (HD D-sub 15-pin to HD D-sub 15-pin, for RGB signal)

Macintosh® Adaptor

#### ADP-20 (Macintosh to VGA)

50-inch Portable Screen **VPS-50C\*** 

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



LMP-C120

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