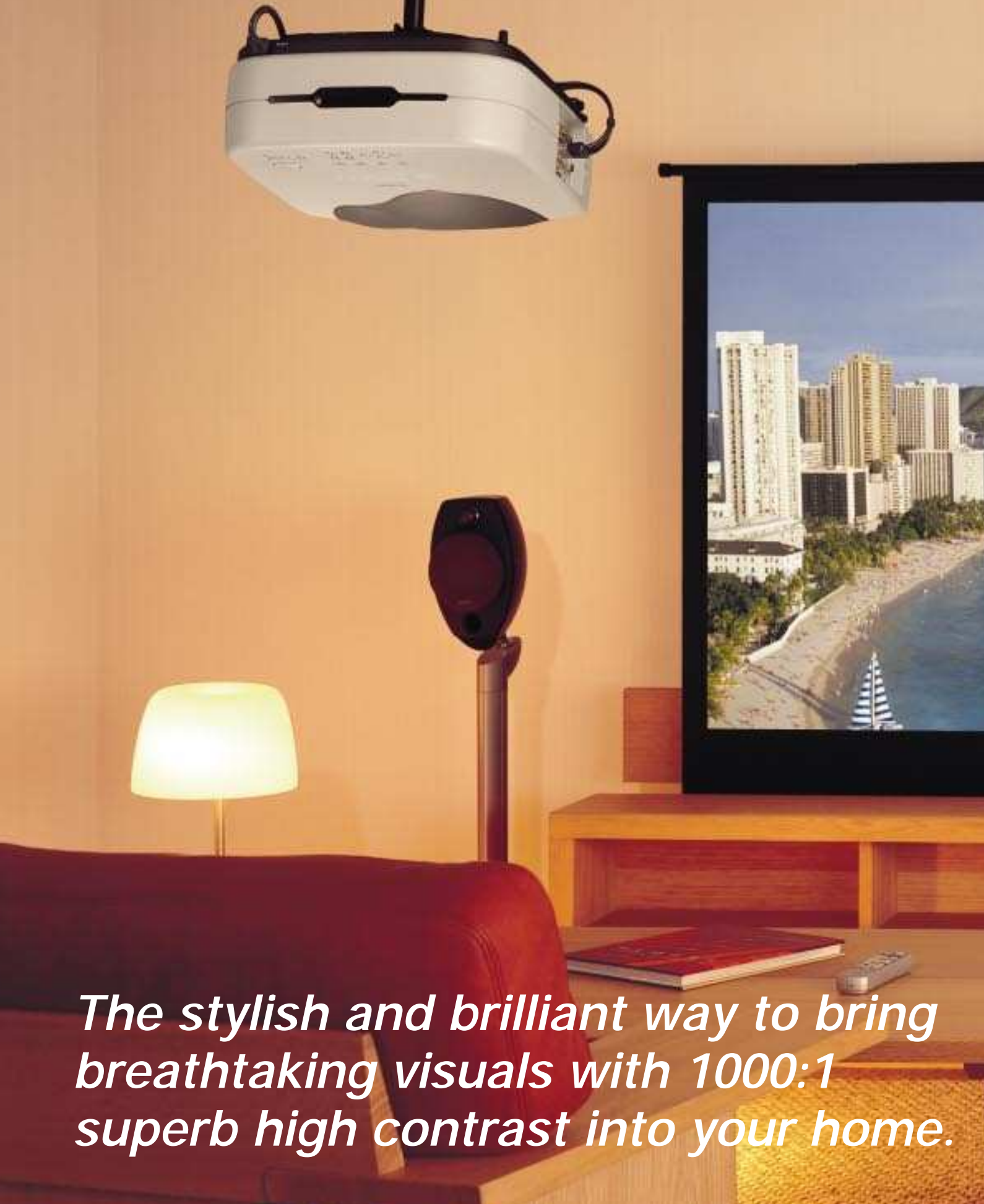


**SONY®**

*Video Projector*  
**VPL-VW12HT**





*The stylish and brilliant way to bring breathtaking visuals with 1000:1 superb high contrast into your home.*

**ProSelecta**

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Sony is proud to introduce the new VPL-VW12HT Video Projector – bringing extremely beautiful large-screen images to life. The successor to the popular VPL-VW11HT, this state-of-the-art projector takes your home theater experience to a new level. It now offers first-class, high-contrast 1000:1 visuals and enriched image reproduction with improvements to major components including its 16:9 wide XGA (1366 x 768 pixels) LCD panels, optical unit, lamp and electrical circuit.

In addition, advanced Sony signal processing technologies such as Digital Reality Creation™ - Multi Function circuitry (DRC-MF), 3D gamma, 3D/3-line Y/C separation/digital noise reduction and 'through' mode, help to provide a truly rewarding visual experience.

The supplied Cinema Filter is ideal for creating more pleasing skin tones and contrast. Use the filter according to your creative preferences. As indicated by the 'HT' in its model name, the VPL-VW12HT is designed specifically for home theater use and offers many features to increase your entertainment possibilities. With the ImageDirector program you can adjust the brightness of red, green and blue respectively and store this data on your PC. Video memory, digital keystone correction, 'cinema black' mode, short throwing distance, low fan noise, and a handsome white cabinet are just some of the innovations that make the Sony VPL-VW12HT Video Projector the perfect addition to your home theater system.



## **First-class 1000:1 contrast ratio and excellent brightness**

The VPL-VW12HT provides the first-class contrast ratio of 1000:1. It creates crisp images and makes the black level deeper, thanks to innovations in all key LCD projector components - including its newly designed LCD panels and optical unit - that prevent light leakage and make full use of the LCD's dynamic range.

The VPL-VW12HT utilizes newly developed three-wide XGA (1366 x 768 pixels) resolution LCD panels with Micro Lens Array and a 200 W UHP lamp to provide a high-brightness output of 1000 ANSI lumens (in 16:9 mode). Because of this, the projector now offers remarkable image reproduction, with intense, velvety black and rich color gradation.

LCD panel



Lamp



Optical unit



## Superb picture quality

For crisp and vivid image reproduction, the VPL-VW12HT incorporates a series of high-performance Sony signal processing technologies such as Digital Reality Creation - Multi Function circuitry (DRC-MF), 3D gamma correction and a 3D\*3-line Y/C separation/digital noise reduction circuit. The DRC-MF incorporates the CINE MOTION (2-3 pull down) function that helps reproduce natural and detailed pictures from film-originated sources. This, combined with the original DRC-MF effects, provides high-defining progressive signals, bringing out the true beauty and fascination of cinema.

\* This function is only applicable to NTSC signals.



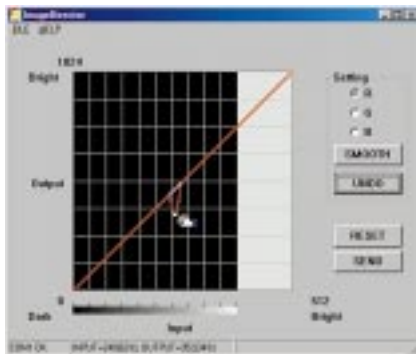
### Cinema Filter for image changes

The supplied Cinema Filter color compensation filter is ideal for creating more pleasing skin tones and contrast. This is a tonal-correction filter, producing greater contrast in dark scenery. It fits over the lens and removes approximately 25% of the color green. Use this filter according to your creative style when you want to make dramatic image changes.

### ImageDirector application software

To add to your home theater enjoyment, Sony original ImageDirector\* application software is included on CD-ROM with the VPL-VW12HT. ImageDirector enables you to adjust the brightness of red, green and blue colors (the gamma curve of R, G and B) with ease at your PC (via an RS-232C reverse cable). You can also store this adjusted data on your PC.

\* ImageDirector software requirements: Microsoft® Windows® 95, Windows 98, Windows 98 SE, Windows ME, Windows XP Home Edition/Professional. CPU: MMX Pentium® 166 MHz and over is required (Pentium® 300 MHz and over is recommended). At least 1 MB of hard disk space is required.



## Perfect for your home theater system

Specially designed for the home theater environment, the VPL-VW12HT offers an outstanding range of features. An extended air duct and innovative cooling structure reduce fan noise to barely audible levels, ensuring the only thing you'll hear is the sound from your audio system. The improved air filter strikingly reduces the dust entering the unit. This contributes to long-term system quality and durability. The digital keystone correction function\* provides installation flexibility by correcting the distortion that can occur with extreme projection angles.

\* This function is available for 'full', 'normal', and 'zoom' modes.

## Various inputs

The VPL-VW12HT accepts a variety of input signals including video, SVideo and DTV (480i, 480p, 720p, 1080i). It can also handle RGB (fH: 15 to 80 Hz, fV: 50 to 85 Hz) and 16:9 aspect RGB signals\*, offering excellent versatility.

\* Only applicable to: FH 45.0 kHz, fV 56.0 Hz, sync N/N, Dot Clock 79.899 MHz.

## 'Cinema black' mode

For extra versatility, the VPL-VW12HT allows you to set lamp drive wattage to 'normal' (1000 ANSI lumens) or 'cinema black' mode (approximately 750 ANSI lumens). 'Cinema black' mode provides an elevated black level for viewing film sources. For optimum results, use both modes according to ambient light conditions.



'Cinema black' mode ON



'Cinema black' mode OFF

Simulated picture

## Video memory

The video memory function of the VPL-VW12HT memorizes six sets of control parameters (Picture Control and Input Setting) to match various input sources.

## 'Through' mode

In 'through' mode, video signals are not affected by scan conversion and this enables the VPL-VW12HT to reproduce a high-density, one-to-one mapped picture. The 'full through' mode is suitable for squeezed 16:9 sources, while the 'normal through' mode is ideal for 4:3 sources.



'Full' mode



'Full through' mode



'Normal' mode



'Normal through' mode



'Subtitle' mode



'Zoom' mode



'Wide zoom' mode

## Easy projector control

Projector control keys and the supplied remote control unit provide easy control of the VPL-VW12HT. The keys can be lit up enabling smooth control even in low-light conditions.



RM-PJVV10

## Optional Lenses

Two optional lenses are available, giving you the ability to customize the VPL-VW12HT to perfectly suit any projection environment.

### VPLL-ZM31

- 1.1 times zoom short focus lens
- Throw ratio: 1.55-1.62:1



VPLL-ZM31

### VPLL-ZM101

- 1.5 times zoom long focus lens
- Throw ratio: 3.35-4.9:1



VPLL-ZM101

\* Throw ratio is the distance between the center of the projector lens and the screen, divided by the screen width.



Control panel



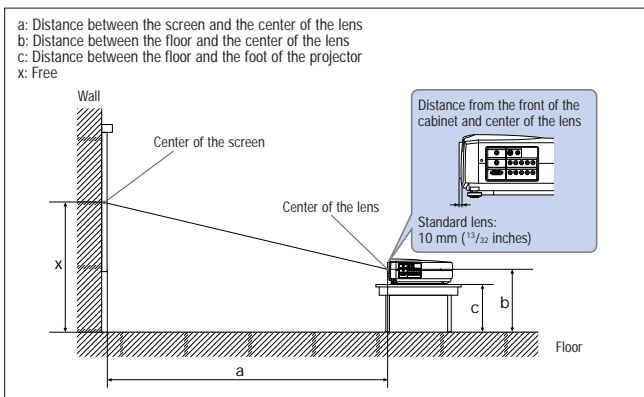
Connectors



## Short throwing distance

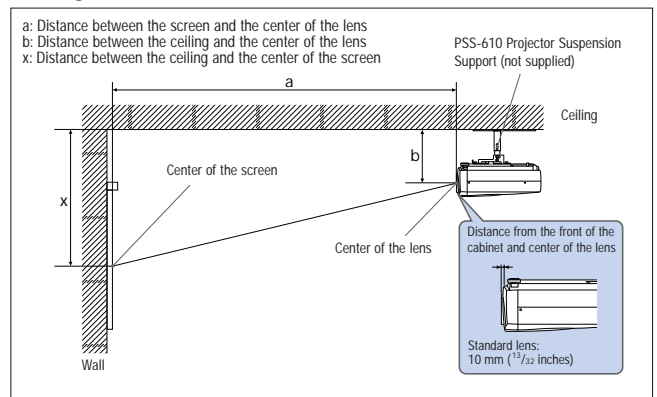
The VPL-VW12HT has a short throwing distance, so it requires very little space to produce a big image. So even in a small room, you can still enjoy full-scale home entertainment.

### Floor installation



		Unit: mm (inches)											
16:9 Screen size (inches)		40	60	80	100	120	150	180	200	250	300		
a	Minimum	1260 (49 7/8)	1930 (76)	2600 (102 3/8)	3270 (128 7/8)	3930 (154 3/4)	4940 (194 1/2)	5940 (234)	6610 (260 3/8)	8270 (325 3/4)	9940 (391 1/2)		
	Maximum	1470 (58)	2240 (88 1/4)	3010 (118 7/8)	3780 (148 7/8)	4550 (179 1/2)	5710 (224 1/2)	6860 (270 1/2)	7630 (300 1/2)	9560 (376 1/2)	11480 (452 1/2)		
b		x-249 (x-9 7/8)	x-374 (x-14 3/4)	x-498 (x-19 1/2)	x-623 (x-24 1/2)	x-747 (x-29 1/2)	x-934 (x-36 3/4)	x-1121 (x-44 1/2)	x-1245 (x-49 1/2)	x-1556 (x-61 1/2)	x-1868 (x-73 3/4)		
c		x-349 (x-13 3/4)	x-473 (x-18 3/4)	x-598 (x-23 3/4)	x-722 (x-28 1/2)	x-847 (x-33 3/4)	x-1033 (x-40 1/2)	x-1220 (x-48 1/2)	x-1345 (x-53)	x-1656 (x-65 1/2)	x-1967 (x-77 1/2)		
4:3 Screen size (inches)		40	60	80	100	120	150	180	200	250	300		
a	Minimum	1560 (61 1/2)	2380 (93 3/4)	3200 (126)	4020 (158 3/4)	4830 (190 1/2)	6060 (238 3/4)	7290 (287 1/2)	8100 (319)	10150 (399 3/4)	12190 (480)		
	Maximum	1820 (71 3/4)	2760 (108 3/4)	3700 (145 3/4)	4650 (183 3/4)	5590 (220 1/2)	7000 (275 3/4)	8420 (331 3/4)	9360 (368 3/4)	11720 (461 1/2)	14070 (554 1/4)		
b		x-305 (x-12)	x-457 (x-18 1/4)	x-610 (x-24 1/4)	x-762 (x-30 1/4)	x-915 (x-36 1/4)	x-1143 (x-45 1/4)	x-1372 (x-54 1/4)	x-1524 (x-60 1/4)	x-1905 (x-75 1/4)	x-2287 (x-90 1/4)		
c		x-404 (x-16)	x-557 (x-22)	x-709 (x-28)	x-862 (x-34)	x-1014 (x-40)	x-1243 (x-49)	x-1471 (x-58)	x-1624 (x-64)	x-2005 (x-78 3/4)	x-2386 (x-94)		

### Ceiling installation



		Unit: mm (inches)											
16:9 Screen size (inches)		80	100	120	150	180	200	250	300				
a	Minimum	2600 (102 3/4)	3270 (128 3/4)	3930 (154 3/4)	4940 (194 1/2)	5940 (234)	6610 (260 3/8)	8270 (325 3/4)	9940 (391 1/2)				
	Maximum	3010 (118 7/8)	3780 (148 7/8)	4550 (179 1/2)	5710 (224 1/2)	6860 (270 1/2)	7630 (300 1/2)	9560 (376 1/2)	11480 (452 1/2)				
x		b+498 (b+19 3/4)	b+623 (b+24 3/4)	b+747 (b+29 1/2)	b+934 (b+36 3/4)	b+1121 (b+44 1/2)	b+1245 (b+49 1/2)	b+1556 (b+61 1/2)	b+1868 (b+73 3/4)				
b		247, 272, 297, 347, 372, 397 mm (9 3/4, 10 3/4, 11 3/4, 13 3/4, 14 3/4, 15 3/4 inches) adjustable when using PSS-610											
4:3 Screen size (inches)		80	100	120	150	180	200	250	300				
a	Minimum	3200 (126)	4020 (158 3/4)	4830 (190 1/2)	6060 (238 3/4)	7290 (287 1/2)	8100 (319)	10150 (399 3/4)	12190 (480)				
	Maximum	3700 (145 3/4)	4650 (183 3/4)	5590 (220 1/2)	7000 (275 3/4)	8420 (331 3/4)	9360 (368 3/4)	11720 (461 1/2)	14070 (554 1/4)				
x		b+610 (b+24 1/4)	b+762 (b+30 1/4)	b+915 (b+36 1/4)	b+1143 (b+45 1/4)	b+1372 (b+54 1/4)	b+1524 (b+60 1/4)	b+1905 (b+75 1/4)	b+2287 (b+90 1/4)				
b		247, 272, 297, 347, 372, 397 mm (9 3/4, 10 3/4, 11 3/4, 13 3/4, 14 3/4, 15 3/4 inches) adjustable when using PSS-610											

## Specifications

<b>Model</b>		VPL-VW12HT
<b>Optical</b>	Projection system	3 LCD panels, 1 lens projection system
	LCD panels	1.35-inch p-Si TFT LCD panel 3,147,264 (1,049,088 x 3) pixels
	Projection lens	1.2 times zoom lens, F2.2 to 2.5, f44.6 to 53.6 mm
	Lamp	200 W UHP
	Screen coverage	40 to 300 inches (16:9, viewable area, measured diagonally)
	Light output	1000 ANSI lumens* (16:9), 750 ANSI lumens (4:3)
<b>Signals</b>	Color system	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N (automatically/manually selected)
	Resolution	Video: 750 TV lines HD: 1100 TV lines RGB: 1366 x 768 pixels
	Acceptable signals	DTV (480i, 480p, 720p, 1080i), progressive component, 15 kHz component 50/60 Hz system, composite video, Y/C video, RGB (FH: 15 to 80 kHz, IV: 50 to 85 Hz)
<b>General</b>	Power requirements	AC 100 to 240 V, 50/60 Hz
	Power consumption	Max. 300 W, standby 6 W
	Heat dissipation	1023.7 BTU
	Dimensions	395 (W) x 168 (H) x 427 (D) mm (15 5/8 x 6 5/8 x 16 7/8 inches)
	Mass	Approx. 8 kg (17 lb 10 oz)
	Operating temperature	0 to 35 °C (32 to 95 °F)
	Operating humidity	35 to 85 %
<b>Inputs/Outputs</b>	Video	
	Composite	Phono type, 1 Vp-p ± 2 dB sync negative, 75 Ω
	Y/C IN	Mini DIN 4-pin
	Y	1 Vp-p ± 2 dB sync negative, 75 Ω
	C	Burst 0.286 Vp-p ± 2 dB (NTSC), 75 Ω or 0.3 Vp-p ± 2 dB (PAL), 75 Ω
	INPUT A/B	
	Component/Progressive	Phono type
	Component/YPbPr/	
	Analog RGB	
	G	0.7 Vp-p ± 2 dB positive, 75 Ω
	G with sync/Y	1 Vp-p ± 2 dB sync negative, 75 Ω
	B/Cb/Pb	0.7 Vp-p ± 2 dB positive, 75 Ω
	R/Cr/Pr	0.7 Vp-p ± 2 dB positive, 75 Ω
SYNC/HD		
Composite sync	1 to 5 Vp-p, high impedance positive/negative	
Horizontal sync	1 to 5 Vp-p, high impedance positive/negative	
VD		
Vertical sync	1 to 5 Vp-p, high impedance positive/negative	
CONTROL S IN (PLUG IN POWER)	Stereo mini jack 5 Vp-p, plug in power DC 5 V	
TRIGGER	Mini jack Power on: DC 12 V, output impedance: 4.7 kΩ Power off: 0 V	
REMOTE RS-232C	D-sub 9-pin (Female)	
<b>Safety regulations</b>	UL, cUL (CSA), FCC Class B, IC Class B, NEMKO, CE (EMC), C-Tick, CCC, VCCI, JEITA	
<b>Supplied accessories</b>	Remote Commander RM-PJW10 AA size Battery (2) Air Filter (3) Operation Manual Cinema Filter ImageDirector (CD-ROM)	

\*ANSI lumens is a measuring method of the American National Standards Institute IT 7.228.

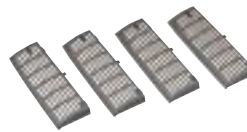
### Optional accessories



Projector Lamp LMP-P201  
(for replacement)



Projector Suspension  
Support PSS-610



Air Filter PK-VW11FL



Monitor Cable SMF-400  
(HD D-sub 15-pin to 5 BNC)  
Macintosh® Adaptor ADP-20  
(Macintosh to VGA)

### Optional Lenses

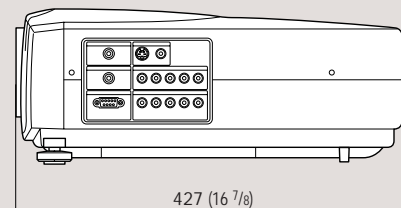
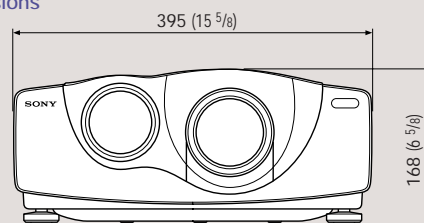
VPLL-ZM31  
(Short-focus zoom lens)

VPLL-ZM101  
(Long-focus zoom lens)

100-inch 16:9 electric screen  
VPS-HE100W

### Dimensions

Unit: mm (Inches)



Simulated picture