

VPL-VW10HT
LCD Video Projector





Sony is proud to introduce its new VPL-VW10HT LCD Video Projector – the stylish and brilliant way to bring breathtaking visuals into your home.

Featuring a powerful combination of newly developed 16:9 wide XGA (1366 x 768 pixels) LCD panels, a high-performance optical system and a 200 W UHP lamp,

this impressive unit provides extremely high-resolution and high-contrast images at a brightness of 1000 ANSI lumens. What's more, advanced Sony signal processing

technologies such as Digital Reality Creation - Multi Function™ (DRC-MF™), 3D gamma, 3D/3-line Y/C separation/digital noise reduction and through mode,

The Brilliant Alternative for Exciting Home Entertainment!



Simulated picture

help to provide a truly rewarding visual experience.

As indicated by the "HT" in its model name, the VPL-VW10HT is

designed specifically for home theater use and offers many features to increase your entertainment possibilities.

Video memory, digital

keystone correction, cinema black mode, short throwing distance, low fan noise, and a handsome white cabinet – just some of the inno-

ventions that make Sony's VPL-VW10HT LCD Video Projector the perfect addition to your home theatre system.

Newly designed wide-aspect LCD panel

The VPL-VW10HT incorporates three wide XGA (1366 x 768 pixels) resolution LCD panels with a metal mask.

To improve uniformity and reduce "ghost" images on the screen, dot line inverter technology is adopted on these panels. The panel drive voltage has also been increased for outstanding black-level reproduction.



LCD panel



1000 ANSI lumens for exceptional brightness

With its newly developed LCD panels, high-performance optical unit, and a 200 W UHP lamp, the VPL-VW10HT provides 1000 ANSI lumens (in 16:9 mode) of brightness for extremely clear on-screen images.



Lamp



Optical unit

Superb picture quality

For crisp and vivid image reproduction, the VPL-VW10HT incorporates a series of high-performance Sony signal processing technologies such as Digital Reality Creation - Multi Function (DRC-MF), 3D gamma correction and 3D*/3-line Y/C separation/digital noise reduction circuit. With the newly developed DRC-MF, picture quality is enhanced in "4x dense DRC" mode or

"DRC progressive" mode depending on input source characteristics. 3D gamma correction performs precise gamma level adjustment and helps to improve white uniformity.

* This function is only applicable to NTSC signals.

DRC-MF
Digital Reality Creation



On-screen menu



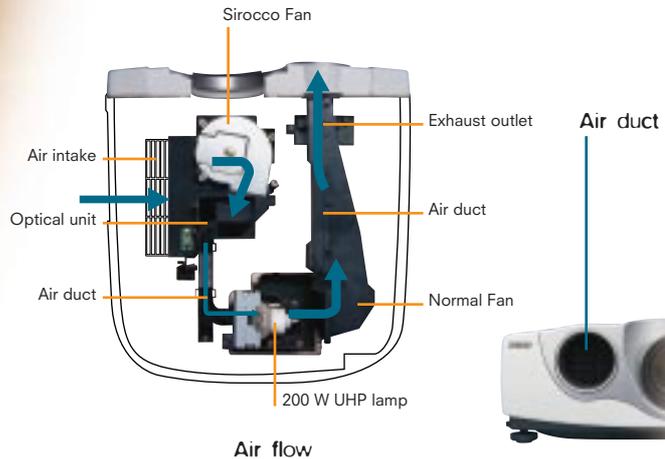
DRC chip

Perfect for your home theatre system

Specially designed for the home theatre environment, the VPL-VW10HT offers an outstanding range of features. An extended air duct and innovative cooling structure reduce fan noise to barely audible levels, ensuring that the only thing you'll hear is the sound from your audio system. The digital keystone correction function* provides

installation flexibility by correcting distortion that can arise from extreme projection angles. And like all other Sony home theatre projectors, the VPL-VW10HT features a stylish white coloured cabinet that makes it the perfect complement for any interior.

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



Cinema black mode

For extra versatility, the VPL-VW10HT allows you to set lamp drive wattage to "normal" (1000 ANSI lumens) or "cinema black" mode (approx. 750 ANSI lumens). The "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-VW10HT memorises six sets of control parameters to match various input sources. Control parameters include picture control, DRC-MF settings, aspect settings and V scroll/title area adjustment.

Through mode

In the "through" mode, video signals are not affected by scan conversion and this enables the VPL-VW10HT 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.

New RM-PJW10 remote control unit

The new RM-PJW10 remote control unit allows you to easily select video memory and inputs, while the LIGHT key provides smooth control even in low-light conditions.

RGB input

In addition to video signals, the VPL-VW10HT accepts RGB signals (fH: 15 to 91 kHz, fV: 50 to 85 Hz), while the RGB enhancer circuit helps to produce crisper RGB images.



"Full" mode



"Full through" mode



"Subtitle" mode



"Normal" mode



"Normal through" mode



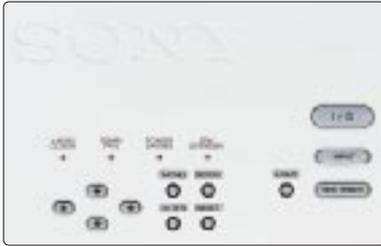
"Zoom" mode



"Wide zoom" mode



RM-PJW10



Control panel



Connectors

Short throwing distance

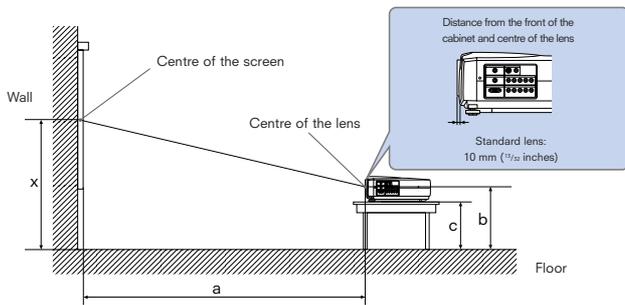
The VPL-VW10HT has a short throwing distance, so it requires very little space to produce a big image. So even in a small room, you can still enjoy full-scale home entertainment.



Simulated picture

Floor installation

- a: Distance between the screen and the centre of the lens
- b: Distance between the floor and the centre of the lens
- c: Distance between the floor and the foot of the projector
- x: Free

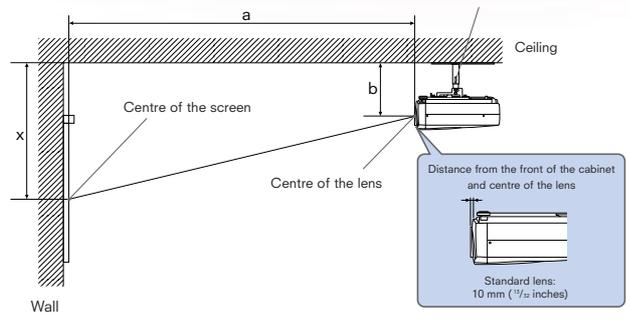


16:9 Screen size (inches)		40	60	80	100	120	150	180	200	250	300
a	Minimum	1260 (49 1/2)	1930 (76)	2600 (102 1/2)	3270 (128 1/2)	3930 (154 1/2)	4940 (194 1/2)	6060 (234)	6610 (260 1/2)	8270 (325 1/2)	9940 (391 1/2)
	Maximum	1470 (58)	2240 (88 1/2)	3010 (118 1/2)	3780 (148 1/2)	4550 (179 1/2)	5710 (224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

Ceiling installation

- a: Distance between the screen and the centre of the lens
- b: Distance between the ceiling and the centre of the lens
- x: Distance between the ceiling and the centre of the screen

PSS-610 Projector Suspension Support (not supplied)



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

Specifications

Model		VPL-VW10HT
Optical	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)
Signals	Colour system	NTSC, PAL, SECAM, NTSC ^{4.43} , 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 91 kHz, fV: 50 to 85 Hz)
General	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 40 °C (32 to 104 °F)
	Operating humidity	35 to 85 %
Inputs/Outputs	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/	
	Analogue 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)	
Safety regulations	UL, cUL (CSA), FCC Class B, IC Class B, EN 60 950 (Nemko), CE, C-Tick, VCCI class B, JEIDA	
Supplied accessories	Remote control unit RM-PJW10 Size AA battery (2) Air filter Operating manual	

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

Optional accessories



**Projector lamp LMP-P200
(for replacement)**

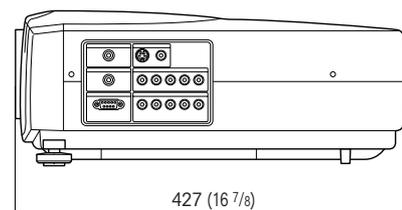
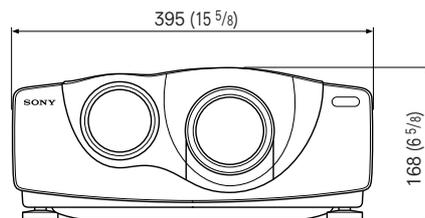


**Projector suspension support
PSS-610**



**Monitor cable SMF-400
(HD D-sub 15-pin to 5 BNC)
Macintosh® adaptor ADP-20
(Macintosh to VGA)**

Dimensions
Unit: mm (inches)



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