

SONY

VPL-HW65ES

Home Theater Projector



Get Closer to a Real Cinema Experience

The HW65ES is a Full HD 3D home theater projector packed with our latest technology for an incredibly sharp, crystal clear cinematic experience. Enhanced light efficiency and an optimized optical block enables the HW65ES to reach 1,800 ANSI lumens brightness, delivering clearer images, even in well-lit environments. The HW65ES also has an approximate 6,000 hour long-lasting lamp due to its improved lamp cooling system. An optical engine upgrade, contrast enhancer technology and Advanced Iris3 technology enable a dynamic contrast ratio of more than 120,000:1. This increases black and white levels without diminishing peak brightness to maximize detail during darker scenes. Additional features such as Sony's Bright Cinema and Bright TV mode plus SXRD panels, enhance the 3D image even further. The projector also has Sony's Reality Creation technology.



Breathtaking Picture Quality

High Brightness

Drawing on optical technology developed for the VPL-VW1100ES, we've achieved high brightness. Conventional home theater projectors typically enhance the green color to secure image brightness. However, the projector boasts our new Bright Cinema and Bright TV modes. Optical block and signal processing improvements bring high brightness without a loss in color reproduction and contrast, so you can enjoy bright, crisp images even when viewing in a well-lit room.



Standard Home Theater Projector

Not bright enough



Sony Home Theater Projector

Images are brighter and clearer even in a well-lit environment

Simulated images

Dynamic Image with High Contrast

Advanced Iris 3

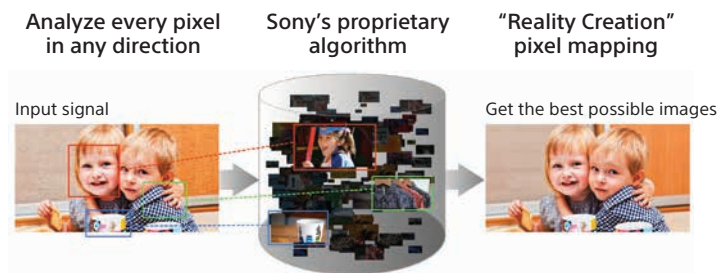
This is an automatic Iris control feature that enhances the contrast in accordance with the scene. It maximizes black and white levels without diminishing peak brightness. Thanks to improved Advanced Iris3 algorithm, the projector has a dynamic contrast ratio of 120,000:1.

Contrast enhancer

This function automatically adjusts the contrast for optimum viewing. It compensates for dark and bright parts of an image by analyzing the signal component of each scene in real time to enhance contrast.

Advanced Reality Creation for Full HD

The Reality Creation function for our VPL-HW65ES projector has been further improved by taking the same technology from our 4K home theater models. It reproduces the texture and color of the original 1080p signal by restoring missing information lost during packaging original contents to disc and broadcast transmission. As a result, you can enjoy sharp and crisp Full HD pictures.

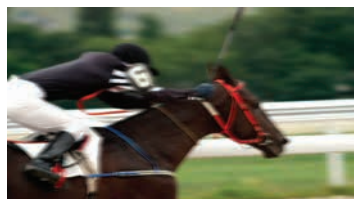


Picture patterning based on 10 years of accumulated expertise

Simulated images

Advanced Motionflow

We've simplified our Motionflow offering. Combination mode uses Sony's Film Projection and Motion Enhancer capabilities, adding frames to reduce blur and maintain brightness in thrilling, fast-moving scenes. Cinema purists can choose True Cinema mode to retain the original 24 fps.



Without Motionflow



With Motionflow

Simulated images

User-friendly Functions

Powerful Picture Calibration Features

There are eight calibrated presets to optimize various content.

Cinema Film1 Highly dynamic and clear images of typical master positive films		Cinema Film2 Rich tone and color typical of a movie theater		Reference Original image without any adjustment	
TV Watching TV programs, sports, concerts, etc.		Photo For still images taken with a digital camera		Game Well-modulated colors and fast response	
Bright Cinema Movies in a bright environment, such as a living room		Bright TV TV programs in a bright environment		User Adjusts the picture quality to suit your preference using Reference mode	

Professional Calibration

A correction tool allows you to adjust the hue, saturation, and brightness of each color and the color space for red, green and blue respectively, to get exactly the picture you want.

Industry-standard RF 3D Compatible

A built-in RF transmitter synchronizes with any RF 3D glasses for wider coverage and greater stability, and there's no need for an external transmitter.

Long-lasting Lamp

By incorporating a high-performance lamp and advanced lamp-control technology, the projector delivers an extremely long lamp replacement time of 6,000 hours*.

* Approximate recommended period, in low mode.

USB Updates

To get the best from your projector, there's a USB port for the latest firmware updates.

Low Latency Mode

A new feature for gamers. Experience our fastest ever response time between your controller and the screen for ultimate gaming action.

Easy Connectivity for Home Automation

Complies with many home automation systems via an RJ45(IP), RS-232C, TRIGGER and IR IN interfaces.

Installation Advantages

Electronic Panel Alignment

Ensures the red and blue elements in each pixel are precisely positioned against green. Adjustments can be made by as little as 0.1 pixels for optimum clarity.

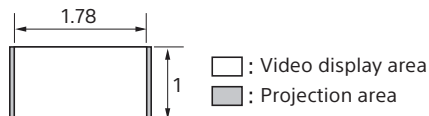
Specifications

Display System	SXRD panel, projection system	
Display device	Size of effective display area	0.61" x 3
	Number of pixels	6,220,800 (1920 x 1080 x 3) pixels
Projection lens	Focus	Manual
	Zoom	Manual (Approx. x1.6)
	Lens shift	Manual, Vertical: +/- 71%, Horizontal: +/- 25%
Light source	High-pressure mercury lamp, 215 W type	
Recommended lamp replacement time*1	6000 H (Lamp mode: Low)	
Filter replacement cycle (Max.)	Same time as the lamp replacement is recommended	
Screen size	40" to 300" (1,016 mm to 7,624 mm)	
Light output	1800 lm (Lamp mode: High)*2	
Color light output	1800 lm (Lamp mode: High)*2	
Contrast ratio	120,000:1 (Dynamic Contrast)	
Displayable scanning frequency	Horizontal	19 kHz to 72 kHz
	Vertical	48 Hz to 92 Hz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1080 dots (HDMI Input only)
	Video signal input	480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for HDMI input only. 1080/60p, 1080/50p, 1080/24p
OSD language	17-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)	
INPUT OUTPUT (Computer / Video / Control)	HDMI1 / HDMI2	Digital (RGB/Y Pb/Cb Pr/Cr)
	Trigger	Minijack, DC 12 V Max. 100 mA
	Remote	RS-232C, D-sub 9-pin (female)
	LAN	RJ45, 10Base-T/100BASE-TX
	IR IN	Mini Jack
Acoustic noise	22 dB	
Operating temperature / Operating humidity	41°F to 95°F (5°C to 35°C) / 35% to 85% (no condensation)	
Storage temperature / Storage humidity	-4°F to +140°F (-20°C to +60°C) / 10% to 90% (no condensation)	
Power requirements	AC 100 V to 240 V, 3.1 A to 1.3 A, 50/60 Hz	
Power consumption	AC 100 V to 120 V	MAX 310 W
	AC 220 V to 240 V	MAX 310 W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.4 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V	0.4 W (when "Standby mode" is set to "Low")
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	1.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	1.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")
Dimensions (W x H x D) (without protrusions)	16 1/8 x 7 1/8 x 18 3/8 inches 407.4 x 179.2 x 463.9 mm	
Weight	Approx. 20 lb / 9 kg	
Supplied accessories	RM-PJ28 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Lens Cap (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1)	
Replacement lamp	LMP-H210	

*1 The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

*2 The values are estimate.

Projection distance



Projection image size		Projection distance L
Diagonal	Width x Height	
80" (2.03 m)	70 x 39 (1.77 x 1.00)	99 - 142 (2.53 - 3.61)
100" (2.54 m)	87 x 49 (2.21 x 1.25)	125 - 178 (3.17 - 4.52)
120" (3.05 m)	105 x 59 (2.66 x 1.49)	150 - 214 (3.81 - 5.43)
150" (3.81 m)	131 x 74 (3.32 x 1.87)	188 - 268 (4.77 - 6.80)
200" (5.08 m)	174 x 98 (4.43 x 2.49)	252 - 357 (6.38 - 9.08)

Optional Accessories

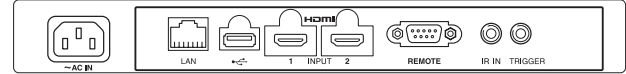


LMP-H210
Projector Lamp (for replacement)



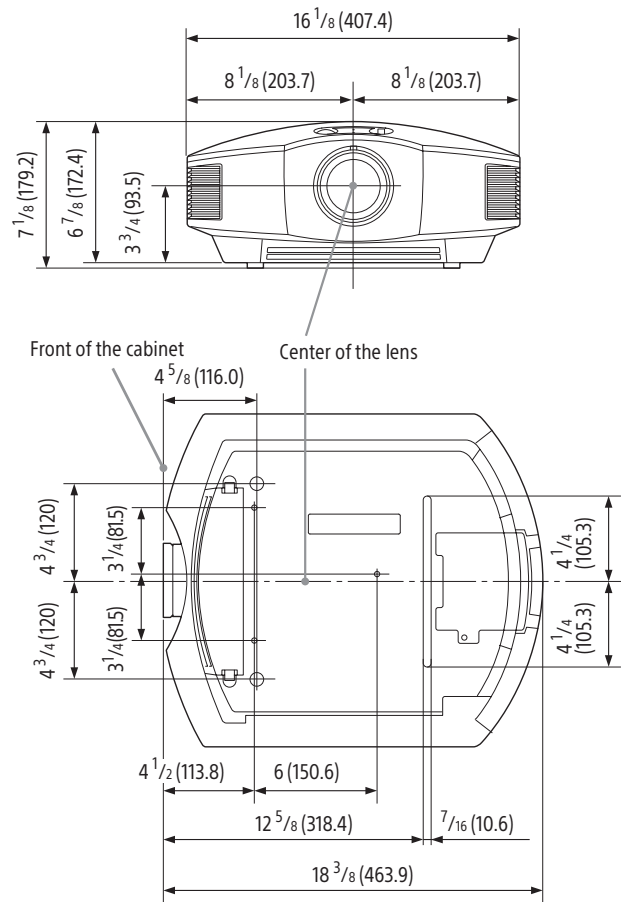
TDG-BT500A
3D Glasses

Connector Panel



Dimensions

Units: inches (mm)



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