

**SONY**

# VPL-VW550ES

Home Theater Projector



Look for The Angry Birds Movie on 4K Ultra HD



ES

**4K**

**HDR**

3D  
world  
Created by Sony

TRILUMINOS  
DISPLAY

**SXR**D

# Seeing is believing

## Experience the beauty of true 4K

### Bring incredible 4K detail to your favorite movies

Imagine bringing the truly cinematic quality of 4K into your own home. Now you can make this a reality with our VPL-VW550ES Home Theater projector. It's our most affordable 4K model yet, producing a native 4096 x 2160 resolution picture – that's over four times the quality of Full HD.

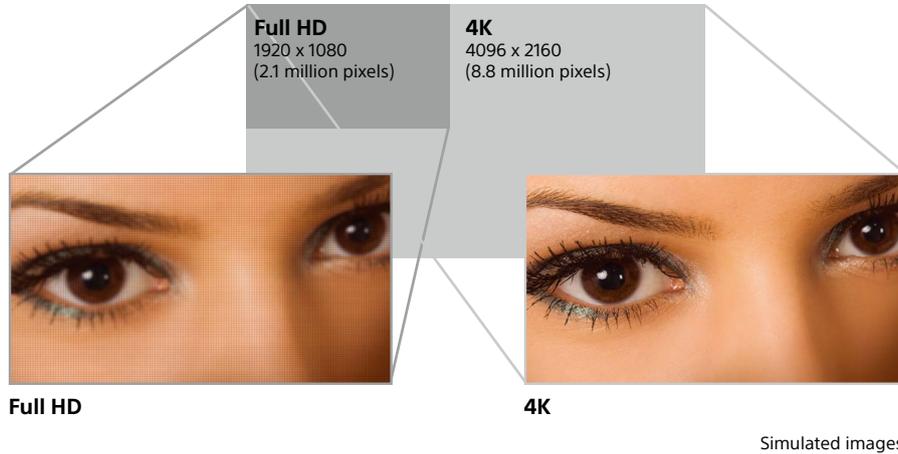
Designed for your home theater room and living room, the VPL-VW550ES delivers stunning, detail-packed images and incredibly lifelike color like never before. And with high brightness, you're guaranteed an exceptional picture even in well-lit rooms.



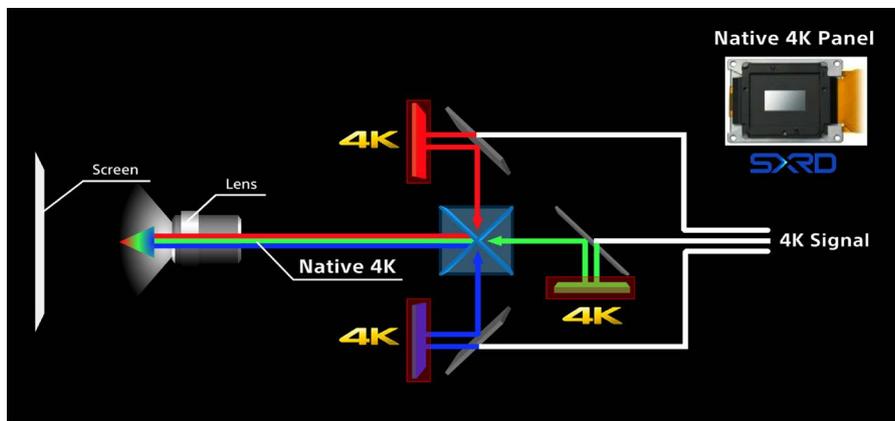
# Breathtaking Picture Quality

## Real-life clarity with Cinematic 4K- over four times the detail of Full HD

With more than four times the resolution of Full HD, 4K offers 8.8 million pixels for a picture that's so incredibly lifelike, you could believe you're looking at the real thing. Every detail is perfectly clear, with less jagged edges and visible pixels than with a conventional Full HD projector.



## Sony's 4K Projection



## 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, this 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

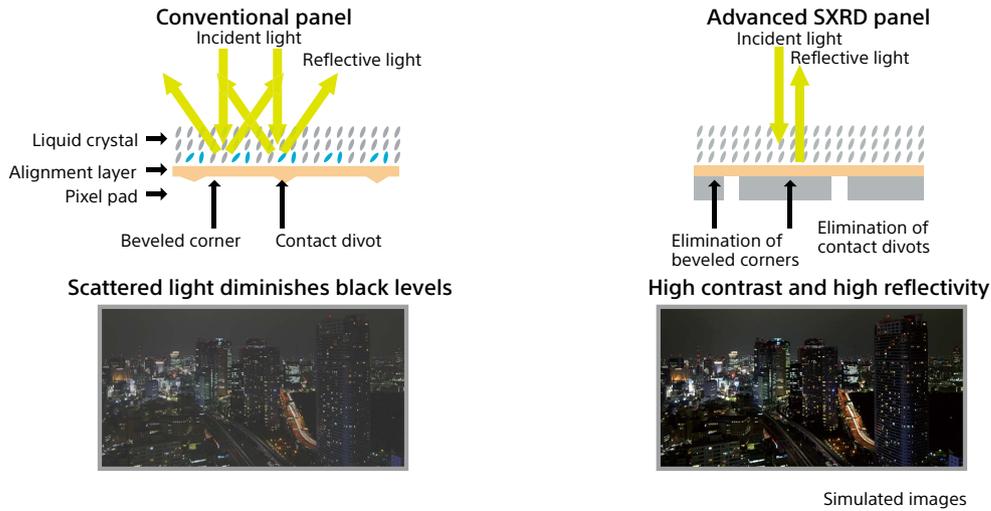
Simulated images

## Remarkable Dynamic Contrast for Highest Picture Quality

With Sony's Advanced Iris3 technology, this projector can achieve an incredible 350,000:1 dynamic contrast for the best ever images.

## Advanced SXR Panels

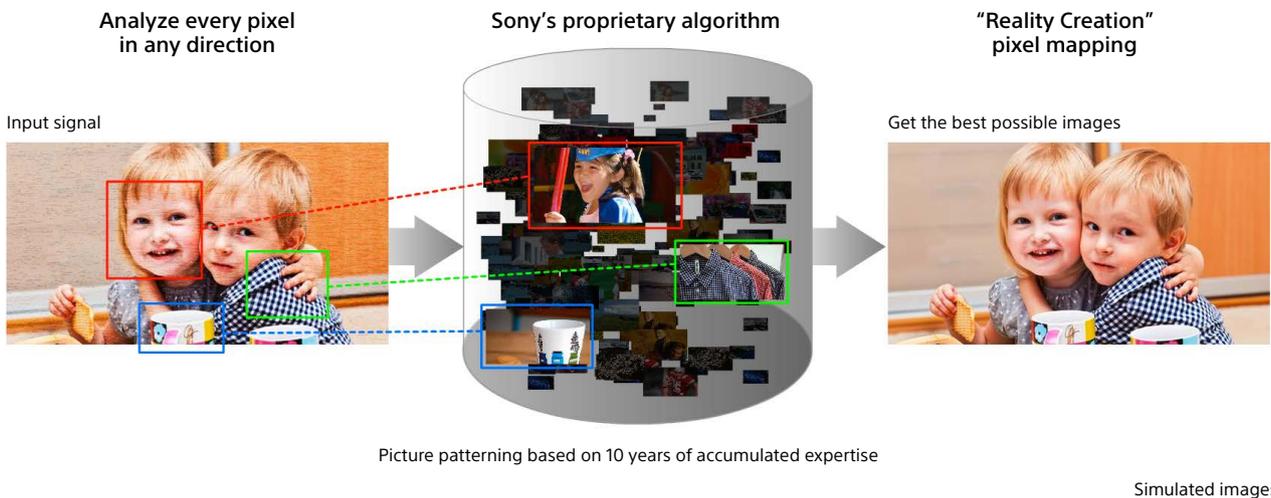
The projectors' 4K native SXR panels produce outstanding native device contrast, reproducing deep blacks by improving the flatness level of the pixel surface.



## Reality Creation: Enjoy A Variety Of Content In 4K

As well as 4K material, you can watch your current Full HD Blu-ray™ or DVD movie collection upscaled for a 4K experience. Reality Creation is a super-resolution technology that intelligently enhances Full HD content, even upscaling 3D movies for 4K.

The VPL-VW550ES incorporates improved Reality Creation which perfectly works with 4K content to get the best possible images.



## HDR Compatible

This system complies with HDR (High Dynamic Range) both for 4K 24p and 4K 60p, enabling you to view the entire range of each image accurately and clearly. New to the VPL-VW550ES, you can adjust average screen brightness, depending on your environment and preferences, while maintaining accurate HDR reproduction.



SDR\* input

\* Standard Dynamic Range



HDR input

Simulated images

## TRILUMINOS Display

The projectors' optical engines and SXRD panels incorporate our TRILUMINOS Display technology to produce a much broader color range, reproducing more tones and textures than a standard projector system. The result is greater purity, depth and realism.



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

# Installation Advantages

## Compact and Functional Design

A smaller optical engine means the projector is approximately 18 cm shorter in length than our leading projector, the VPL-VW1100ES, so there's greater flexibility for installation.

## Front-facing Fan

Because the fan is positioned at the front, you don't need to worry about wall space and room for air intake/exhaust when you install. This helps maximize the throw distance for bigger projected images.

## Wider Zoom and Shift Lens

The projector offers a zoom-powered lens to provide maximum flexibility for home installations, including high ceiling mounting.

## Picture Position Memory Matches Movie Aspect Ratio

The projector has a picture position memory, which memorizes the position of the lens (focus, zoom, shift). Users can match a movie's aspect ratio, including 1.78:1 and 2.35:1, and store these settings in the projector for easy recall.

Screen 2.35:1



Position 1.78:1 Image 1.78:1

Screen 2.35:1



Position 1.78:1 Image 2.35:1

2.35:1 without picture position memory



Screen 2.35:1



Position 2.35:1 Image 2.35:1

2.35:1 with picture position memory

Simulated images

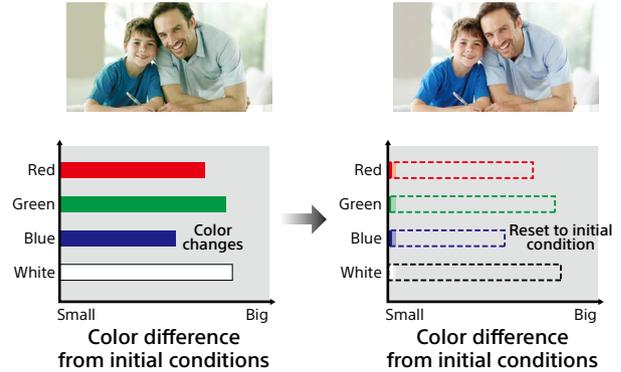
## Electronic Panel Alignment

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.

# User-friendly Functions

## Built-in Auto Calibration

After extended periods, color can be automatically calibrated to the original factory condition. There's no need for extra calibration equipment or cameras; a built-in color sensor stores all the necessary information.



## 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.

## HDCP 2.2 Compatibility

Both HDMI inputs are compatible with HDCP 2.2 - the latest content protection standard - ensuring readiness for future premium 4K content.

## Long-lasting Lamp

By incorporating a high-performance lamp and advanced lamp-control technology, the projectors deliver 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.

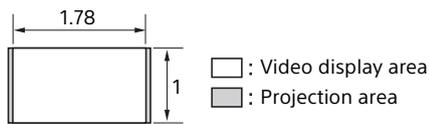
## Low Latency Mode

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

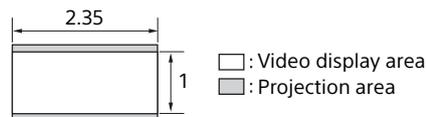
## Easy Connectivity for Home Automation

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

## Projection distance



1.78:1 (16:9)		
Projection image size		Projection distance L
Diagonal	Width × Height	
80" (2.03 m)	1.77 × 1.00 (70 × 39)	2.44 – 5.01 (96 – 197)
100" (2.54 m)	2.21 × 1.25 (87 × 49)	3.05 – 6.28 (121 – 247)
120" (3.05 m)	2.66 × 1.49 (105 × 59)	3.67 – 7.55 (145 – 297)
150" (3.81 m)	3.32 × 1.87 (131 × 74)	4.60 – 9.44 (181 – 371)
200" (5.08 m)	4.43 × 2.49 (174 × 98)	6.15 – 12.61 (242 – 496)



2.35:1		
Projection image size		Projection distance L
Diagonal	Width × Height	
80" (2.03 m)	1.87 × 0.80 (74 × 31)	2.41 – 4.96 (95 – 195)
100" (2.54 m)	2.34 × 0.99 (92 × 39)	3.02 – 6.22 (119 – 244)
120" (3.05 m)	2.80 × 1.19 (110 × 47)	3.64 – 7.47 (143 – 294)
150" (3.81 m)	3.51 × 1.49 (138 × 59)	4.55 – 9.35 (180 – 368)
200" (5.08 m)	4.67 × 1.99 (184 × 78)	6.08 – 12.48 (240 – 491)

## Optional Accessories

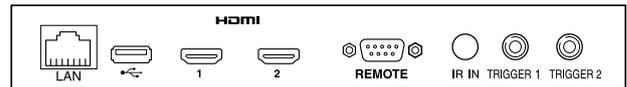


**LMP-H280**  
Projector Lamp (for replacement)



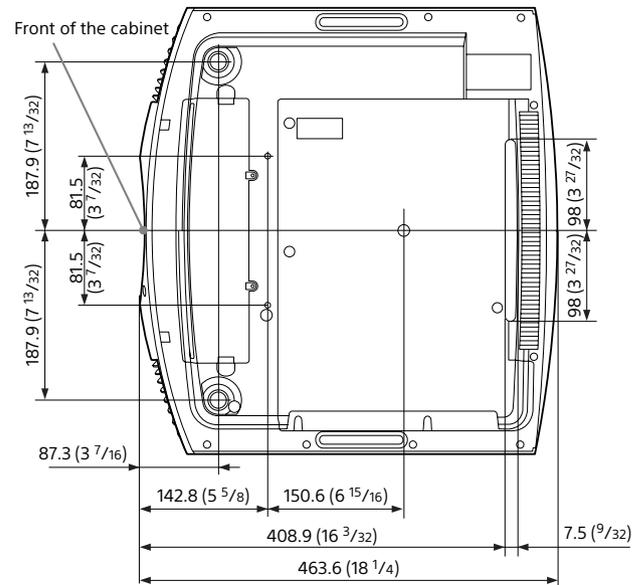
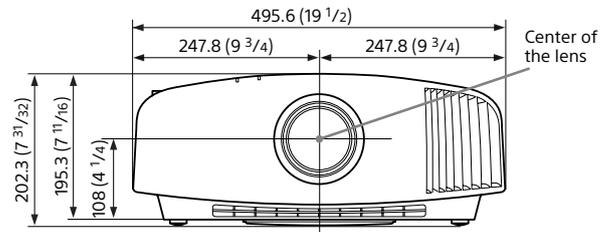
**TDG-BT500A**  
3D Glasses

## Connector Panel



## Dimensions

Units: mm (inches)



## Specifications

Display System		4K SXRD panel, projection system
Display device	Size of effective display area	0.74" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	Focus	Powered
	Zoom	Powered (Approx. x 2.06)
	Lens shift	Powered Vertical: +85% -80% Horizontal: +/-31%
Light source		High-pressure mercury lamp, 280 W type
Recommended lamp replacement time*1		6000 H (Lamp mode:Low)
Screen size		60" to 300" (1,524 mm to 7,620 mm)
Light output		1800 lm (Lamp mode: High)*2
Color light output		1800 lm (Lamp mode: High)*2
Dynamic contrast		350,000:1
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, 1080/60p, 1080/50p, 1080/24p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p*3, 3840 x 2160/60p*3, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p*3, 4096 x 2160/60p*3
OSD language		18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic)
INPUT OUTPUT (Computer / Video / Control)	HDMI1 / HDMI2*4	Digital (RGB/Y Pb/Cb Pr/Cr)
	Trigger1 / Trigger2	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
USB		DC 5V, Max. 500 mA
Acoustic noise		26 dB
Operating temperature / Operating humidity		5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)
Storage temperature / Storage humidity		-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
Power requirements		AC 100 V to 240 V, 4.1 A to 1.7 A, 50/60Hz
Power consumption	AC 100 V to 120 V	410W
	AC 220 V to 240 V	410W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.3 W (when "Remote Start" is set to "Off")
	AC 220 V to 240 V	0.3 W (when "Remote Start" is set to "Off")
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	1.0 W (LAN) (when "Remote Start" is set to "On")
	AC 220 V to 240 V	1.0 W (LAN) (when "Remote Start" is set to "On")
Dimensions (W x H x D) (without protrusions)		495.6 x 195.3 x 463.6 mm 19 1/2 x 7 11/16 x 18 1/4 inches
Mass		Approx. 14 kg / 31 lb
Supplied accessories		RM-PJ24 Remote Commander (1), Size AA (R6) Manganese Batteries (2), Lens Cap (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1)
Replacement lamp		LMP-H280

\*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.

\*3 YCbCr 4:2:0

\*4 Both HDMI inputs are compatible with HDCP2.2

### Distributed by

©2016 Sony Corporation. All rights reserved.  
 Reproduction in whole or in part without written permission is prohibited.  
 Features and specifications are subject to change without notice.  
 The values for mass and dimension are approximate.  
 "SONY", "3D World", "TRILUMINOS" and "SXRD"  
 are trademarks of Sony Corporation.  
 The terms HDMI and HDMI High-Definition Multimedia Interface,  
 and the HDMI Logo are trademarks or registered trademarks of  
 HDMI Licensing LLC in the United States and other countries.  
 All other trademarks are the property of their respective owners.