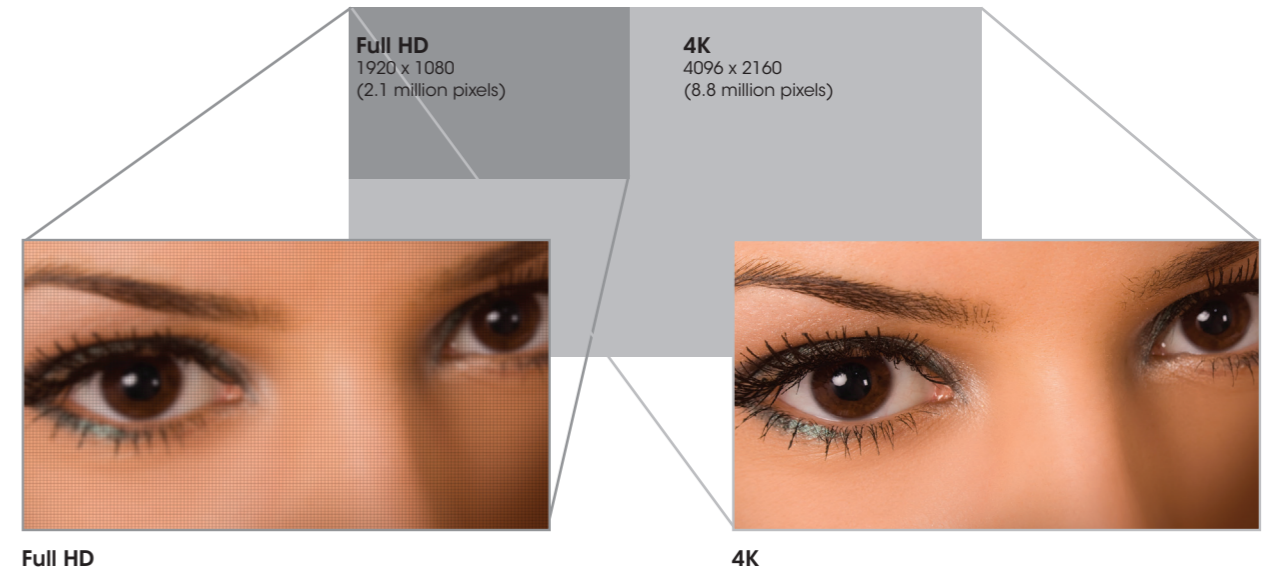# 4K Home Theater Projector

VPL-VW350ES

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 detal is perfectly clear, with less jagged edges and visible pixels than with a conventional FUll HD projector. Pixel enhancement.

Full HD
1920 x 1080
(2.1 million pixels)

4K
4096 x 2160
(8.8 million pixels)

Full HD

4K

Simulated images

High Brightness with 1,500 Lumens

Drawing on optical technology developed for the VPL-VW1000ES, we've achieved high brightness (1,500 lumens) in the VPL-VW350ES. So you'll see crystal-clear, bright, detail-packed images even in well-lit rooms.

Standard Home Cinema Projector
Not bright enough

VPL-VW350ES
Images are brighter and clearer
even in a well-lit environment

Simulated images

Seeing is Believing
True 4K Home Cinema is
Closer Than You Think

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 reality with our VPL-VW350ES Home Cinema 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 cinema room, the VPL-VW350ES delivers stunning, detail-packed images and incredibly lifelike color like never before. And with 1,500 lumens brightness, you're guaranteed an exceptional picture even in well-lit rooms.

Advanced SXRD Panels

4K digital drive panels minimize the space between pixels in every frame with an incredible response rate of 2.5 milliseconds. That's much faster, and more stable, than an LCD TV and produces ultra-smooth, dot-free pictures with natural, fluid movement whatever the action.

Conventional panel
Incident light
Reflective light

Liquid crystal
Alignment layer
Pixel pad

Beveled corner   Contact divot

Advanced SXRD panel
Incident light
Reflective light

Elimination of beveled corners
Elimination of contact divots

Scattered light diminishes black levels

High contrast and high reflectivity

Simulated images
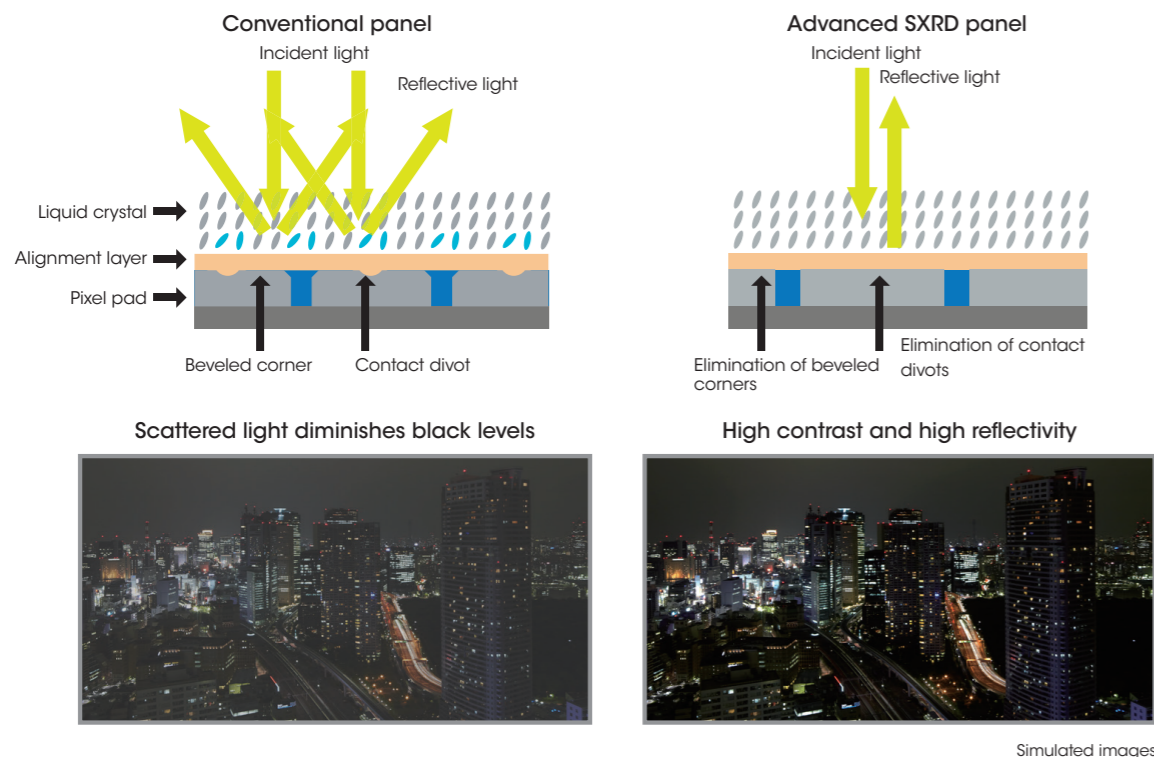
TRILUMINOS Display

The VPL-VW350ES's optical engine 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.
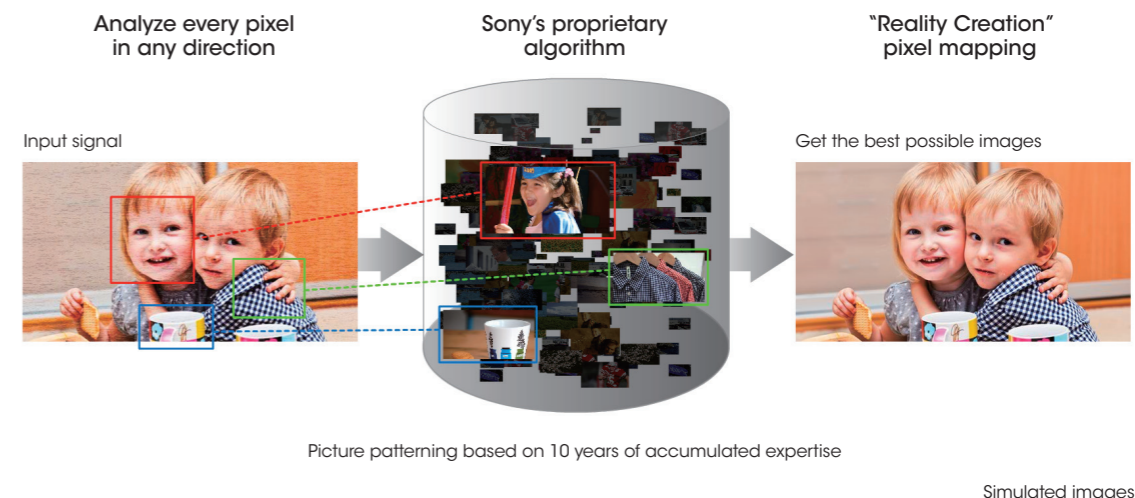
TRILUMINOS DISPLAY

Simulated images

Latest 4K/60p HDMI Standard: 60 Frames Per Second

The VPL-VW350ES can show up to 60 frames per second (fps) in 4K (at color signal YCbCr 4:2:0 / 8 bit). It's the new 4K industry standard and is much higher than the earlier 24p. The result is a smoother image with superior color and realism.
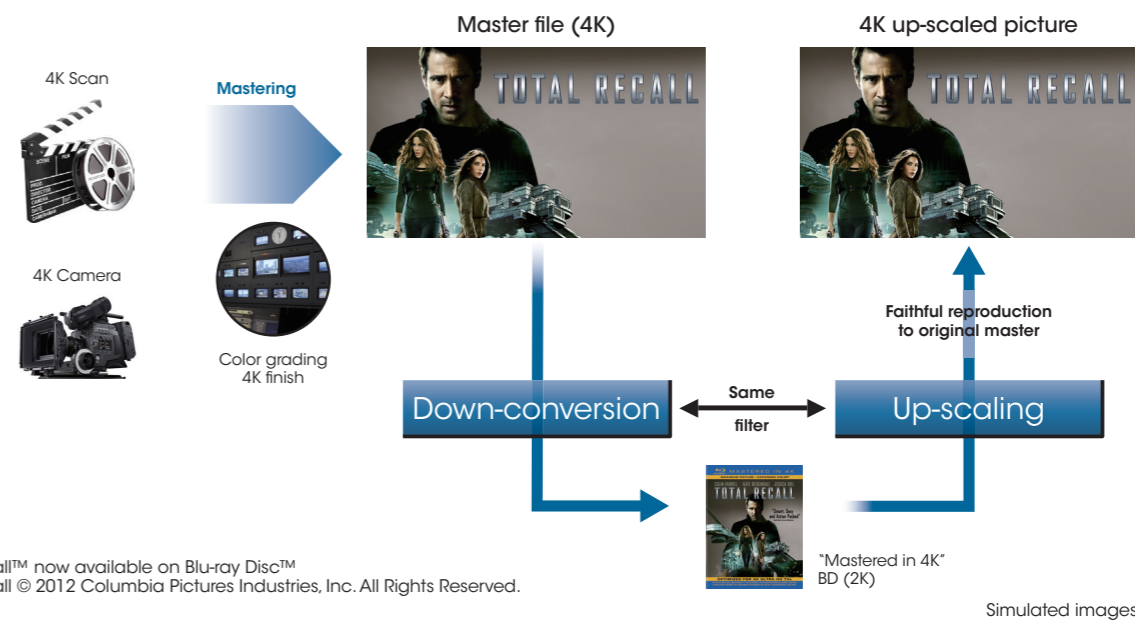
Reality Creation: Upscale Your Movies to 4K

As well as native 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 radically enhances Full HD content, even upscaling 3D movies for 4K.

Analyze every pixel in any direction

Sony's proprietary algorithm

"Reality Creation" pixel mapping

Input signal

Get the best possible images

Picture patterning based on 10 years of accumulated expertise

Simulated images

Compatible with 'Mastered in 4K' Blu-ray Discs

Drawing on the same technology used to downscale 4K material for Full HD, the VPL-VW350ES gives you a near-native 4K experience with discs 'Mastered in 4K'. It's as close as you can get to the 4K-pixel resolution and expanded color range of the original.

Master file (4K)

4K up-scaled picture

4K Scan

Mastering

4K Camera

Color grading 4K finish

Faithful reproduction to original master

Down-conversion

Same filter

Up-scaling

"Mastered in 4K" BD (2K)

Total Recall™ now available on Blu-ray Disc™
Total Recall © 2012 Columbia Pictures Industries, Inc. All Rights Reserved.

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 VPL-VW350ES is approximately 7 inches shorter in length than our leading projector, the VPL-VW1100ES, so there's greater flexibility for installation.

Top access to lamp

Exhaust grill

Intake grill

Intake grill

Unobtrusive terminals
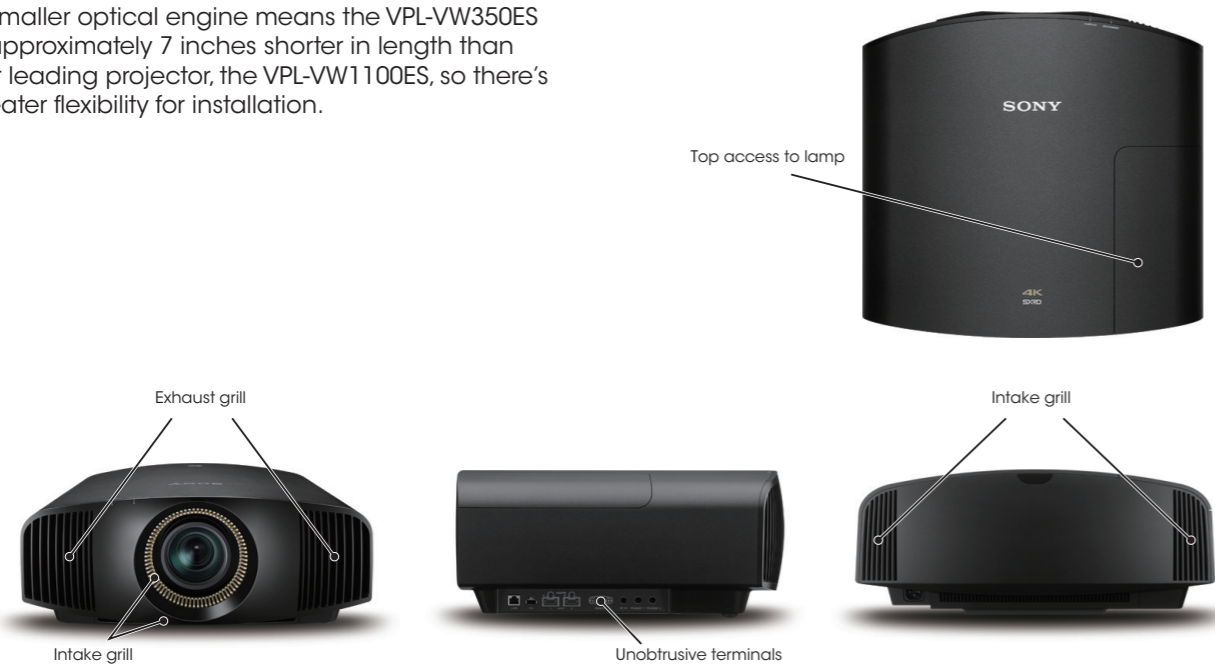
Front-facing Fan

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

Wider Zoom and Shift Lens

The VPL-VW350ES offers a 2.06 zoom-powered lens to provide maximum flexibility for home installations, including high ceiling mounting.

User-friendly Functions

Low Latency Mode

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

Manual HSV Color Correction

A correction tool allows you to adjust the hue, saturation, and brightness of each color 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.

Specifications

Display System		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. x2.06)
	Lens shift	Powered
		Vertical: +85% -80% Horizontal: +/-31%
	Throw Ratio	1.38:1 to 2.83:1
Light source		High-pressure mercury lamp, 230 W type
Screen size		60″ to 300″ (1,524 mm to 7,620 mm)
Light output		1500 lm (Lamp mode: High)*1
Color light output		1500 lm (Lamp mode: High)*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*2, 3840 x 2160/60p*2, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p*2, 4096 x 2160/60p*2
OSD language		15-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai)
INPUT OUTPUT (Computer / Video / Control)	HDMI1 / HDMI2*3	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
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, 4.0 A to 2.0 A, 50/60Hz
Power consumption		340 W
Standby mode power consumption		0.3 W (when "Remote Start" is set to "Off") 1.0 W (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-PJ28 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)

*1 The values are estimate.
*2 YCbCr 4:2:0 / 8 bit
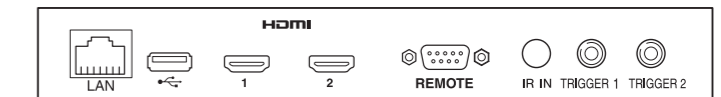*3 HDMI Input2 is compatible with HDCP 2.2.

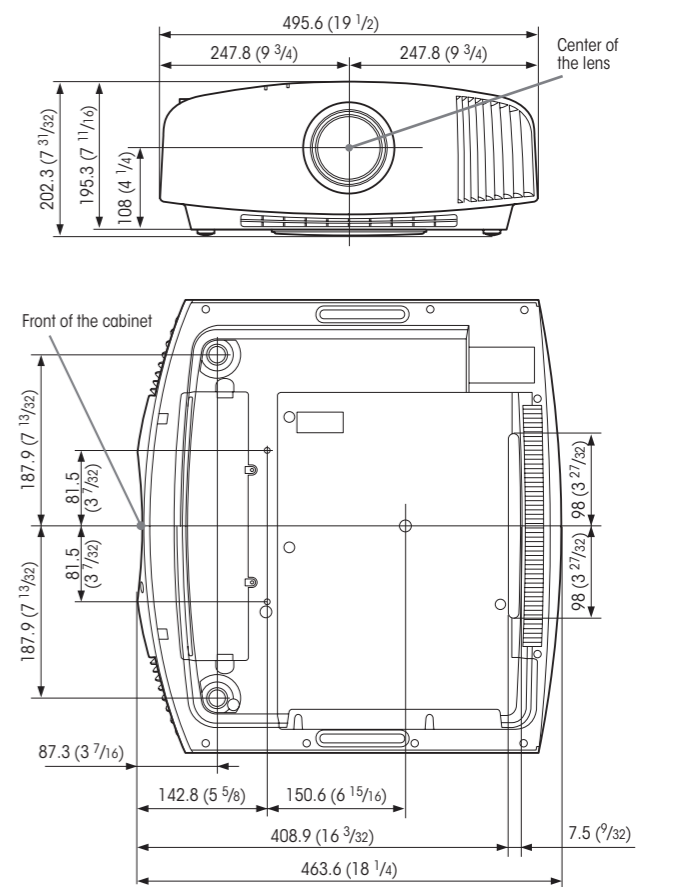# Optional Accessories

LMP-H230
Projector Lamp (for replacement)

TDG-BT500A
3D Glasses

Connector Panel

HDMI

LAN   1   2   REMOTE   IR IN TRIGGER 1 TRIGGER 2

Dimensions

Units: mm (inches)

495.6 (19 1/2)
247.8 (9 3/4)
247.8 (9 3/4)
Center of the lens
202.3 (7 31/32)
195.3 (7 11/16)
108 (4 1/4)

Front of the cabinet
187.9 (7 13/32)
81.5 (3 7/32)
81.5 (3 7/32)
187.9 (7 13/32)
98 (3 27/32)
98 (3 27/32)
87.3 (3 7/16)
142.8 (5 5/8)
150.6 (6 15/16)
408.9 (16 3/32)
7.5 (9/32)
463.6 (18 1/4)