SONY

VPL-VZ1000ES

Ultra-Short Throw 4K HDR Home Theater Projector

Let your living space double as a 4K HDR home theater with this ultra-short throw projector. Enjoy over 100" of stunning picture quality when and where you want it. Designed for style and built for flexibility, it puts no limits on the design or layout of your home and lets you live the dream of having a large screen display on your terms.

Bullets

- Ultra-short throw for flexible installation
- Native 4K resolution (4096 x 2016)
- High brightness 2500 lumens laser projection
- TRILUMINOS™ Display for rich color
- Advanced Reality Creation for upscaling SD/HD sources
- High Dynamic Range for more realistic videos[4]

Features

Native 4K resolution for lifelike pictures

With more than four times the resolution of Full HD, native 4K offers 8.8 million pixels (4096 x 2160) for a picture that's so incredibly lifelike, it's like looking at the real thing. This is the same resolution defined by Digital Cinema Initiatives for cinema distribution, with pixels one quarter the size of those used by traditional Full HD 1080p projectors. See corner-to-corner clarity and watch movies from much closer than you would in Full HD.

Ultra-short throw distance for flexible installation

The VPL-VZ1000ES has been designed with flexible installation in mind. Place the projector 6" away from a wall and you'll enjoy a beautiful 100" (diagonal, 16:9 aspect ratio) display; move the projector 10" away from the wall and this screen size increases to a huge 120". So whether it's placed on the floor, mounted on the ceiling or used for rear projection, you can be sure that you'll always see the big picture.

2500 lumens for spectacular brightness

Savor the action with an incredible 2500 lumens brightness, for lively sports programs and exciting movies. A highly efficient Z-Phosphor laser light generates the brightness required for vibrant images across the whole screen.

High dynamic contrast for stunning realism

The VPL-VZ1000ES's SXRD panels and laser light source help the projector achieve a high dynamic contrast. This means that you'll see a wide range of brightness levels – from deep, inky blacks through striking highlights. The expanded volume of reds, blues and greens is replicated with fine detail and realism, making every scene spring to life for a truly immersive cinematic experience.

Reality Creation upscales your favorites

Upscale your existing Blu-ray Disc™ and DVD movies to near 4K-quality. The super-resolution Reality Creation 4K upscaler analyzes every pixel in any direction, then employs a digital signal processing algorithm to map pixels against an ever-evolving picture patterning database, compiled from over 10 years of expertise, to enhance colors, contrast, and textures.

4K SXRD™: Our most advanced projection technology

Our advanced SXRD™ (Silicon X-tal Reflective Display) system features an ultra-fast response rate of 2.5 milliseconds for clear, blur-free images. The panels also minimize the space between the pixels – a feat not achieved by comparable projection technologies – allowing our projectors to deliver smoother more organic images. Additionally, the decision to include three SXRD™ panels means this projector can display all primary color simultaneously – and with light passing through each panel twice, this allows exceptionally deep blacks to be reproduced for a more powerful viewing experience.

Watch for longer with a Z-Phosphor™ laser light

Inside the VPL-VZ1000ES is an ultra-pure, reliable Z-Phosphor laser light source. You'll enjoy perfectly clear 4K pictures for up to 20,000 hours[1] of uninterrupted operation, with no lamp replacement and virtually zero maintenance.

Action stays smooth with Motionflow™

Whatever you're watching, you'll enjoy a silk-smooth on-screen look in fast-moving action sequences with Motionflow. This innovative technology creates and inserts extra frames between the original frames, by first comparing key visual factors on successive frames then calculating the split second of missing action in the sequences. True Cinema 24p mode mimics true movie projection for cinema purists.

HDR compatibility[4] every image comes to life

Combined with 4K native resolution and a wide color gamut, HDR video content delivers unprecedented detail, color and contrast, with a far wider range of brightness than other video formats. The result is a picture with lifelike realism, brilliant highlights, and fine detail. HDR content is available from selected streaming services and the 4K Ultra-HD Blu-ray format discs.

Built-in 3D transmitter synchronizes entertainment

Start watching 3D movies quicker.[3] An industry-standard RF 3D transmitter synchronizes the optional glasses with your projector for a quick, easy set-up. Upscale 2D films to 3D and enjoy classic movies in a whole new dimension.

Colors come alive with TRILUMINOS™

Discover true-to-life colors and tones. The VPL-VZ1000ES incorporates TRILUMINOS™ color, reproducing more tones and textures than a standard projector system. Hard-to-reproduce crimson reds, aqua blues, and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces look better, too, with skin tones being more faithfully reproduced.

Fits any room

Neat and compact, this is a projector that's ready for rooms of any size. Bring immersive 4K large screen entertainment to places where projection may not previously have been possible.

Select from nine preset picture calibration modes

Quickly calibrate the picture to what you're watching or playing. Select from nine picture calibration modes, including two cinema film modes, cinema digital, reference, TV, photo, game, bright cinema, and bright TV. An advanced HSV manual color tuning tool gives you even more control.

Next generation support for the latest HDMI standards

The VPL-VZ1000ES can project native 4K content at up to 60 frames per second, for even smoother images with superior color and realism. Support for HDCP 2.2 lets you enjoy the latest 4K movies and TV shows.

Quick start

Don't keep your audience waiting for the show to begin. With quick start and laser light source technology, you're ready to start projection right after switch-on.

Specification

Display	
Display System	4K SXRD panel, projection system
Light Source	Laser diode
Color Bit Depth	Up to 12 bit via HDMI
Accepted Signals	VGA, SVGA, XGA, WXGA(1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i,1920x1080/60i, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/25p,3840x2160/30p, 3840x2160/50p, 3840x2160/60p, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p,4096x2160/60p ** 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz*

General Features	
Contrast Ratio	∞:1 (Dynamic Contrast)
Projector Lens Shift	Powered, Vertical : ±6 % Horizontal : ±3 %
Screen Size	80" to 120" (2,030 mm to 3,050 mm)
Effective Imager Size	0.74" x 3
Effective Pixels	26,542,080 (4096 x 2160 x 3) pixels

Hardware	
Projection Lens Zoom / Focus	Powered (Approx. x1.02) / Powered

Interface	
Input and Output Terminals	HDMI (HDCP 2.2) - x 4, IR IN – mini jack, LAN – RJ45, 10BASE-T/100BASE-TX, REMOTE – RS-232C, D-sub 9-pin, TRIGGER – mini jack, DC 12 V, Max. 100 mA, USB – Type A, DC 5 V, Max. 500 mA

Operating Conditions	
Operating Temperature	5°C to 35°C (41°F to 95°F) 20% to 80% (no condensation)
Storage Temperature	-10°C to +60°C (14°F to 140°F) 20% to 80% (no condensation)

Other Product Relationships	
Supplied Accessories	Remote control RM-PJ28 (1) Size AA (R6) manganese batteries (2) AC power cord (1) Plug holder (1) Top cover (1) Side covers (2) Cleaning cloth (1) Quick Reference Manual (1) Safety Regulations (1) Operating Instructions (CD-ROM) (1)
Optional Accessories	Active 3D Glasses: TDG-BT500A

Power	
Acoustic Noise	24dB (max.)
Power Consumption	435 W
Power Requirement	AC 100 V to 240 V, 4.4 A to 1.9 A, 50/60Hz

Video Features	
Light Output	2500 lm (Lamp mode: High)

Eco and energy saving	
Power Consumption (in Standby)	0.5 W (when "Remote Start" is set to "Off")
Power Consumption (Networked Standby Mode)	0.6 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W)
Standby Mode Activated	After about 10 Minutes

Weights and Measurements	
Dimensions (Approx.)	36 13/32 x 8 19/32 x 19 7/16 inches (with side covers)
Weight (Approx.)	35 kg (77 lb) (without side and top covers)

1. Actual hours may vary depending on usage environment.
2. This product is also known as VPL-VZ1000ES
3. Requires 3D content, 3D Player, 3D glasses and HDMI® cable (at least 10.2 Gbps).
4. Requires HDR compatible content from UHD BD discs or streaming services, such as Amazon Video