

VPL-HW55ES

flawless, cinematic detail: Full HD 3D

Full HD 3D home cinema projector with Reality Creation, SXRD panels, high brightness – even in a well-lit living room



At a glance

- **Dynamic contrast ratio: 120,000:1**
- **Brightness: 1,700 ANSI lumens**
- **Reality Creation**
- **Long lasting lamp (up to 5,000 hours)**
- **Wireless HDMI compatible (optional accessory)**
- **SXRD panels and advanced Iris 3 technology**



Key Features

Images so real you could touch them

Crisp, sharp, detailed Full HD 3D. The VPL-HW55ES is a fantastic option for any movie lover looking for an incredible cinematic experience at home, far beyond the reach of TV.

Reality Creation Our Super Resolution upscaler reproduces colours and textures that are lost when movies are packaged to disc, so you get much closer to the 1080p original.

Advanced SXRD panels produce an ultra-smooth picture by minimising the space between pixels at a super-fast speed. The VPL-HW55ES is synchronised with our 3D glasses for a jaw-dropping experience and minimal crosstalk.

Get closer to a real cinema experience

The VPL-HW55ES is a Full HD 3D home cinema projector packed with our latest technology for an incredibly sharp, crystal clear cinematic experience. All you need to add is the popcorn.

High brightness and contrast ratio

With 1,700 ANSI lumens colour brightness and a dynamic contrast ratio of 120,000:1 you have a 3D experience that has to be seen to be believed. Advanced SXRD panels along with features like Reality Creation and Motionflow mean you'll see your favourite films at their very best, in 3D and 2D.

Long lasting lamp

The lamp lasts approximately up to 5,000 hours – that's roughly 60% longer than our standard home cinema projectors – to lower your costs and total cost of ownership.

Reality Creation – Super Resolution function

Developed for our leading 4K home cinema projector (VPL-VW1000ES), Reality Creation reproduces colours and textures that are lost when movies are packaged to disc. It gives you crisper, sharper Full HD pictures, much closer to the 1080p original. ▼



Input signal



View the best possible images

1,700 lumens brightness with faithful colour reproduction

Thanks to an improved optical engine, the VPL-HW55ES is much brighter than our previous standard home cinema projectors. At 1,700 lumens, it produces clearer images and faithful colours, even in well-lit rooms. ▼



Conventional model



VPL-HW55ES

Bright Cinema and Bright TV modes

Conventional home cinema projectors sacrifice some colour accuracy by increasing greens to improve brightness. With Bright Cinema and Bright TV modes, the VPL-HW55ES retains true colour and contrast, even in a bright environment. ▼



Conventional model



VPL-HW55ES

Dynamic contrast now 120,000:1

Optical engine improvements and advanced Iris 3 technology mean we've achieved an incredible dynamic contrast ratio of 120,000:1. It maximises blacks and whites without diminishing brightness so you won't miss a detail, even in dark scenes.

Improved 3D viewing: RF transmitter compatible

The VW-HW55ES works with both RF and IR 3D emission systems and meets 'Full HD 3D Initiative' industry standards. Using RF 3D glasses gives you greater stability and wider coverage (RF 3D emitter and glasses are optional accessories).

Built-in IR 3D transmitter

No set-up time or cables, just synchronise the VPL-HW55ES with your IR 3D glasses via the built-in transmitter.

Wireless HDMI option

Keep things tidy and free yourself from cables with an optional wireless HDMI emitter/ receiver kit. The VPL-HW55ES will connect wirelessly to your Blu-ray Disc™ player, games console and more.

Contrast Enhancer and advanced Iris3

Automatically adjusts contrast for optimum viewing by analyzing dark and light areas in every scene, without diminishing colour.

Motionflow

See every detail, even in fast-moving action scenes or sports. Motionflow technology shows twice as many pictures per second by creating extra images between the original frames. The result is smoother, sharper motion with less blur.

SXRD panel technology

Our SXRD panels reduce pixel gaps for super-sharp images. Because our 3D glasses have a synchronised shutter speed, you'll enjoy incredible high-definition 3D with minimal crosstalk.

Dynamic Lamp Control

When each of the shutters of your 3D glasses opens, Dynamic Lamp Control boosts the brightness by three times: this maximises picture impact as well as lamp efficiency.

2D and 3D modes

The VPL-HW55ES automatically recognises 2D or 3D content and allows you to pre-select Standard, Dynamic, Cinema, Game and Photo modes.

Extremely low fan noise

Our advanced cooling system means fan noise is reduced to a whisper-quiet 21db.

Gamma adjustment

Fine tune image brightness according to the light in the room or the on-screen picture. There are 11 modes to select from.

Wide lens shift range

A wide vertical range allows more options for placement and installation, without reducing image quality.

Perfect panel alignment

Electronic panel alignment ensures precise colour and clarity. Any colour gaps are corrected by shifting the blue and red areas of each pixel into perfect alignment with green.

Real Colour Processing (RCP Version 2)

Adjust the colour and hue using a target on the projected picture. RCP Version 2 also allows you to adjust brightness at the same time.

PrimeSupport

The VPL-HW55ES includes our PrimeSupport package: that's 3-years projector and 1-year (or 1,000 hours) lamp cover. If you experience a problem, there are no costs, just fast, professional support with our free (multi-lingual) helpline and collect-and-deliver repair service. We'll also loan you a projector if a repair is expected to take longer than 10 days.

Prime
Support

Prime
Support Plus





Specifications

| | | VPL-HW55ES |
|---|------------------------|--|
| Display system | | High Frame Rate SXRD panel |
| Light Output | | 1700 lm |
| Contrast ratio | | 120,000:1 (Dynamic Contrast) |
| Display elements | Effective display size | 0.61" x 3 |
| | Effective pixels | Full HD (1920x1080) x3 6,220,800 pixels |
| Projection lens | Zoom / Focus | Manual (Approx. 1.6 x) / Manual |
| | Lens shift | Manual, V: +/-71% / H: +/-25% |
| Light source | | Ultra High-pressure lamp 200W type |
| Screen size | | 40" to 300" |
| Reality Creation | | YES (FullHD Reality Creation) |
| Compatible with Mastered in 4K Blu-ray™ | | No |
| 4K 60P(YUV4:2:0/8bit) | | No |
| 3D capability | | YES |
| 3D emitter | | Built-in IR emitter (Compatible with RF external emitter) |
| 3D glasses | | TDG-PJ1 (IR type : Bundled) / TDG-BT500A (RF type : Optional) |
| Auto Calibration | | No |
| Manual Calibration | | RCP ver 2.0 |
| Picture Position Memory | | No |
| Wireless HDMI compatibility | | IFU-WH1 (Optional) |
| Advanced Iris | | Ver 3 |
| Picture modes | | 9 modes |
| Gamma modes | | 11 modes |
| Panel Alignment | | Yes (Shift / Zone) |
| Input/Output | HDMI (2 inputs) | Digital RGB/Y Pb/Cb Pr/Cr |
| | Y Pb/Cb Pr/Cr | Component: phono type |
| | INPUT A | Mini D-sub 15-pin (RGB) |
| | Remote | RS-232C, D-sub 9-pin (female) |
| | IR IN | Mini Jack |
| 3D Sync | | Built-in IR Transmitter or via RJ-45 (External IR transmitter TMR-PJ2 or RF transmitter TMR-RF1) |
| Acoustic noise | | 21dB |
| Power requirement | | AC 100 V to 240 V, 3.0 A to 1.3 A, 50/60 Hz |
| Power consumption | | Max. 300 W |
| Body colour | | Black / White |
| Standard outside dimensions | | W 407.4 x H 179.2 x D 463.9 mm |
| Weight | | Approx. 9.6 kg |
| Supplied Accessories | | Remote Control RM-PJ23 |
| | | Size AA (R6) manganese batteries (2) |
| | | AC Power Cord for projector (1) |
| | | 3D glasses (TDG-PJ1 x 2) |
| | | Pouch for the 3D glasses (2) |
| | | Operating Instructions (1) |

Optional Accessories

| Projector lamp (LMP-H202) | Wireless HD Unit (IFU-WH1) | IR 3D Glasses (TDG-PJ1) | RF 3D Glasses (TDG-BT500A) | IR External Transmitter (TMR-PJ2) | RF External Transmitter (TMR-RF1) |
|------------------------------|-------------------------------|----------------------------|-------------------------------|--------------------------------------|--------------------------------------|
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