

VPL-HW40ES

Economical Full HD 3D home cinema projector with SXRD panels, Reality Creation, Bright Cinema and Bright TV modes (colour availability may vary by country)



Overview

An outstanding cinematic experience for home theatre applications

The VPL-HW40ES is a fantastic option for movie lovers who want an incredible cinematic experience at home, far beyond the reach of TV. It is packed with professional technology, including advanced SXRD panels and Reality Creation for an incredibly sharp, crystal clear picture. With 1700 lumens colour brightness, you can enjoy your favourite films at their best, in 3D or 2D. Bright Cinema and Bright TV modes also ensure optimum brightness and superb, rich colour quality.

High quality SXRD panels

Cinema-quality technology for super-sharp images.

High brightness with dynamic picture

1700 lumens brightness with Contrast Enhancer function.

Reality Creation

Best Full HD picture possible.

Wide lens shift for flexible installation

+/-71% lens shift range allows more options for placement.

Extremely low fan noise

Quiet 21db noise with improved tone.

Features

SXRD panel technology

With our SXRD panels technology for super-sharp images, you'll enjoy incredible high-definition pictures at home.

1700 lumens brightness with faithful colour reproduction

Thanks to an improved optical engine, the VPL-HW40ES is much brighter than our previous standard home cinema projectors. At 1700 lumens, it produces clearer images and faithful colours, even in well-lit rooms.

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.

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-HW40ES retains true colour and contrast, even in a bright environment.

Contrast Enhancer

Automatically adjusts contrast for optimum viewing by analysing 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.

Wider lens shift range

A wider vertical range than our standard home cinema projectors allows more options for placement and installation, without reducing image quality.

Extremely low fan noise

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

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.

Built-in IR 3D transmitter

No set-up time or cables, just synchronise the VPL-HW40ES with your IR 3D glasses via the built-in transmitter.

2D and 3D modes

The VPL-HW40ES automatically recognises 2D or 3D content and allows you to select various picture modes to fit in your contents..

Gamma adjustment

Fine tune image brightness according to the light in the room or the on-screen picture. There are 7 modes to select from.

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.

Specifications

Display System

Display System	SXRD projection system
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Display device

Size of effective display area	0.61" x 3 SXRD
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Number of pixels	6,220,800 (1920 x 1080 x 3) pixels
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Projection lens

Focus	Manual
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Zoom - Powered/Manual	Manual
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Zoom - Ratio	Approx. x 1.6
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Lens shift - Powered/Manual	Manual
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Lens shift - Range Vertical	+/- 71%
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Lens shift - Range Horizontal	+/- 25%
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Light source

Type Ultra high pressure mercury lamp

Wattage 200 W type

Screen size

Screen size 40" to 300" (1.01 m to 7.62 m) (measured diagonally)

Light output

Lamp mode: High 1700 lm

Color light output

Lamp mode: High 1700 lm

Display resolution

Computer signal input Maximum display resolution: 1920 x 1080 dots (HDMI Input only)

Video signal input 480/60i, 576/50i, 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

OSD language 16-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic)

INPUT OUTPUT (Computer/Video/Control)

HDMI 1 / HDMI 2 HDMI (x2)

Y PB/CB PR/CR Pin Jack (x3)

INPUT A RGB/Y Pb/Cb Pr/Cr input connector: Mini D-sub 15-pin (female)

REMOTE RS-232C connector: D-sub 9-pin (female)

IR IN Mini Jack

3D SYNC RJ-45

Acoustic noise

Lamp mode: Low	22 dB
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Operating temperature / Operating humidity

Operating temperature / Operating humidity	5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)
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Storage temperature / Storage humidity

Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
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Power requirements

Power requirements	AC 100 V to 240 V, 3.0 A to 1.3 A, 50 Hz / 60 Hz
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Power consumption

AC 100 V to 120 V	Max. 300 W
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AC 220 V to 240 V	Max. 300 W
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Power Consumption (Standby Mode)

AC 100 V to 120 V	0.4 W (when "Standby mode" is set to "Low")
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AC 220 V to 240 V	0.4 W (when "Standby mode" is set to "Low")
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Power Consumption (Networked Standby Mode)

AC 100 V to 120 V	6.0 W (LAN) (when "Standby Mode" is set to "Standard")
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AC 220 V to 240 V	6.0 W (LAN) (when "Standby Mode" is set to "Standard")
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Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes
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Dimensions (W x H x D)

Dimensions (W x H x D) (without protrusions)	407.4 x 179.2 x 463.9 mm (16 1/8 x 7 1/8 x 18 3/8 inches)
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Mass

Mass	10 kg (22 lb)
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Supplied accessories

Remote commander	RM-PJ23
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Optional Accessories

Replacement lamp	LMP-H202
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IR 3D Glasses	TDG-PJ1 Please contact your Sony representative for specific models available in your region.
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IR External Transmitter	TMR-PJ2
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Wireless HD Unit	IFU-WH1
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Notes

Environmental notice for customers in the USA

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.



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