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## VPL-VW85

BRAVIA 1080p HD High Frame Rate SXRD Home Cinema projector. Contrast ratio 120,000:1, BRAVIA ENGINE 2, Motionflow Dark Frame Insertion, Advanced Iris 3.



### EISA Award Winner: Best European Video projector 2009-2010



The BRAVIA VPL-VW85 home cinema projector is designed to impress the serious home cinema enthusiast due to its wide array of Sony's innovative technologies. Sony's SXRD (Silicon X-tal Reflective Display) panel technology delivers exquisitely fine-grained 1080p Full HD for a truly cinematic experience. Furthermore, the innate high contrast of SXRD technology is leveraged by Sony's new Advanced Iris 3 system to enable the VW85 to produce a super-high contrast ratio of up to 120,000:1.

This projector also incorporates Sony's innovative Motionflow™ with Dark Frame Insertion which makes motion much smoother with a method called Double Speed Processing. Eight-stage real-time signal processing by Sony's BRAVIA ENGINE 2 ensures outstanding colour and visibly superior overall image quality.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

## Features

### High Contrast Ratio – 120,000: 1 with Advanced Iris 3 technology

The Advanced Iris 3 contrast enhancement works like the human eye, responding dynamically to the level of light in each scene, always selecting the optimum contrast. With a very high range of 120,000:1, Advanced Iris 3 can bring out the detail in darker

sequences and prevent bright scenes from looking washed out.

### Crisp, Smooth Action with Motionflow with Dark Frame Insertion

This technology brings fast-paced, cinematic action to your home. Motionflow with Dark Frame Insertion technology makes motion much smoother through a method called Double Speed Processing. This innovative process creates and inserts artificial frames, first comparing key visual factors on successive frames – for example the position of a car hubcap – then calculating the split second of 'missing' action. The optional insertion of darkened frames heightens the contrast and eliminates any judder – by allowing the eye to naturally blend one frame into the next. This action mimics that of actual movie projection.

### 1080p Full HD resolution of 1920 x 1080

Three panels -red, green and blue, ensuring optimum colour reproduction and resulting in over 6.2 million pixels, more than double the pixel count of 720p projectors. All in a panel size of 0.61-inch thanks to its super-fine panel micro-architecture with a pixel size of 7µm.

### Digital Picture Processing - BRAVIA ENGINE 2

The unique BRAVIA ENGINE 2 delivers vibrant colours and exceptional image quality. It consists of eight separate stages of image enhancement - carried out in real time - each has a specialised function. Together they generate a picture that is optimised in every way, from the accuracy of the contrast to the precision of the colour reproduction.

### 3 x Cinema Modes

In Cinema Mode, films can be viewed as close to the original director's cut as possible, reproducing details such as natural skin tone, lighting, colour, and contrast. There are 3 cinema settings to choose from: 1. Film picture quality 2. Digital cinema quality (based on DCI specification) and 3. BVM picture quality.

### Panel Alignment Function

To ensure the perfect image, the VPL-VW85 comes with screen panel alignment function, allowing you to eliminate any coloured bordering at the edges of objects. This function compensates gaps in panel

alignment. It is possible to select R (Red) or B (Blue) to make adjustments based on G (Green), and to adjust the horizontal and vertical direction by shifting the full image of each colour, moving the full screen  $\pm 2.0$  dot by 0.1. Besides Panel Shift alignment the VW85 offers also Panel Zone Alignment; define one zone out of 16x9 points across the screen and adjust  $\pm 2.0$  dot by 0.1.

### Anamorphic Zoom Mode

Home Cinema enthusiasts in search of perfection will no doubt be drawn to the Anamorphic Zoom function. This uses sophisticated signal processing of wide-screen modes together with an optional third-party anamorphic lens to recreate the immersive 2.35:1 CinemaScope aspect ratio normally only seen in the cinema.

### High Resolution All Range Crisp Focus (ARC-F) Lens

The VPL-VW85 is equipped with the All Range Crisp Focus (ARC-F) lens which has the necessary superior resolution and focus characteristics. The lens offers a 1.6x motorised zoom and both vertical (65%) and horizontal (25%) Lens Shift adjustment, making it easy to set the projector up and achieve a good picture in a variety of environments. To keep the lens in perfect condition it has a motorised cover which automatically opens when the power is turned on, and closes again at power-down.

### Advanced Colour Enhancement Features

Bringing the VPL-VW85 even closer to the capabilities of the human eye is its support for x.v.Colour. x.v.Colour is based on xvYCC, a new international standard for video that defines a colour space nearly two times wider than the existing sRGB standard, making x.v.Colour literally more lifelike. Deep Colour™ boosts the number of colours available within the xvYCC colour space from millions to billions, further future-proofing the projector against developments in colour handling technology.

In the event that you do need to adjust screen colours, the perfect tool for the job is provided by Real Colour Processing. This allows you to adjust the hue of a specific colour without changing the whole image. So if something like skin tone needs tweaking, you can do it without altering the colour of the sky or the background of the scene.

### Great Connectivity - 24p True Cinema and Dual Trigger Out

The inclusion of twin connectors with HDMI™ technology opens up another dimension for the VPL-VW85. It makes it possible to connect to video sources like Blu-ray Disc™ players which offer exact, 24 frame-per-second replication of the cinematic original. As the projector has the '24p True Cinema' function, it can display films exactly as they were first recorded. HDMI CEC technology also allows control of multiple devices from a single remote in a process called BRAVIA Sync. One Touch Play lets you insert a disc

and press Play, at which point the whole Home Theatre system, including the projector, powers up automatically and the film starts. Conversely, System Stand-By shuts down all HDMI-connected elements of the system at a single press of the Power/Standby button on the remote. The VPL-VW85 comes also with two Trigger Out terminals, one of the two Trigger Out terminals handles Anamorphic Zoom mode; the other is for power.

### Superb Low Fan Noise "20dB"

With whisper-quiet fan noise, users can concentrate on a movie or game in a quiet environment without distraction.

### Gamma Adjustment Application Software - Image Director 3

The VPL-VW85 works with "Image Director 3" via the RS232C terminal. Image Director 3 software is supplied on a CD-ROM and is suitable for fine gamma adjustments. With Image Director 3 on your Windows PC, it is possible to adjust the gamma curve more easily and accurately thanks to the new zooming function, and you can choose a mode from Fine or Coarse to suite your taste.

### BRAVIA Sync

BRAVIA Sync simplifies and enhances the home theatre experience. Through the control capabilities of HDMI (High Definition Multimedia Interface), the devices sync with one another for intuitive operations such as One Touch Play and System Stand-by.

### Automatic motorized lens protector

The lens cover automatically opens when the projector powers on, then closes up again when it's turned off to help protect the lens from dust.

## Benefits

### Designed with fast-action movies/games in mind

Sony's innovative Motionflow™ technology and a 2.5ms response time contribute to the overall impression of fluid, natural movement essential for a convincing recreation of the cinematic experience.

### Film-like reproduction

SXRD provides film-quality smoothness by minimising the space between pixels (0.25um) for smooth and dot-less pictures.

### Easy to use & future-proof

The VPL-VW85's electric lens shift helps ensure a quick and flexible set-up procedure, while all features offer a range of user-settings that are easily controlled with the supplied illuminated remote control and on-screen menus.

## Technical Specifications

Optical	
Panel Resolution	1080p Full HD, 1920 x 1080
Panel Technology / Panel Size / Nr of Pixels	High Frame Rate SXRD™ / 0.61 inch / 6,220,800 (3x 2,073,600)
Lens Type	ARC-F (All Range Crisp Focus)
Lens Zoom Ratio	1.6x
Lens F/f	2.50 – 3.40 / 18.5 – 29.6mm
Zoom & Focus	Powered
Lens Shift	Vertical 65%, Horizontal 25%
Contrast Ratio	120,000:1
Brightness	800 ANSI Lumen
Lamp	LMP-H201 200W UHP
Screen Size (16:9 diagonal)	40" - 300" / 1m-7.6m
Throwing Distance	1.2m -14.1m
Throw Ratio (16:9 diagonal)	1.47 - 2.18

Inputs	
HDMI (19-pin connector)	1
Component Video (3x RCA connectors)	1
S-Video (Mini DIN 4-pin)	1
Composite Video (RCA connector)	1
Input A (HD D-sub 15-pin)	1 (Analogue RGB, Component)

Outputs	
Trigger Out (Mini Jack)	2 (Power, Anamorphic Zoom Mode)
Control RS-232C (D-sub 9-pin)	1 (AMX Protocol Supported)

General	
Fan Noise	20dB
Lamp Life	3,000 Hours(Replacement time)
Filter Cleaning Time	Every 1,500 Hours
Power Consumption: Max / Standby / Low	300W / 8W / 0.5W
Dimensions (W x H x D)	470 x 179.2 x 482.4 mm
Weight	12kg
Body Colour	Midnight Sky Black

Throwing Distance, 16:9 Screen, Ceiling Mount	
Min - Max Screen Size (diagonally)	40 - 300-inch / 1 - 7.6m
40-inch / 1m screen	1.4 - 2.0m
80-inch / 2m screen	2.6 - 3.9m
100-inch / 2.5m screen	3.3 - 4.8m
120-inch / 3.0m screen	3.9 - 5.8m
200-inch / 5.1m screen	6.4 - 9.5m
300-inch / 7.6m screen	9.5 - 14.3m

Acceptable Video Signals:	
720p	720/60p, 720/50p
1080i	1080/60i, 1080/50i, 1080/24PsF (48i)
1080p via HDMI	1080/60p, 1080/50p, 1080/24p
Acceptable Computer Signals	fH: 19-72 kHz, fV: 48-92 Hz Max Resolution 1920 x 1080 (HDMI only)

Supplied Accessories	
Illuminated Remote Control	RM-PJW85
Batteries for Remote Control	Supplied 2x Size AA (R6)
CD-ROM for Gamma Adjustment (Windows PC)	Image Director 3

## Accessories

Lamps	
	<p><b>LMP-H201</b></p> <p>Replacement Lamp for VPL-VW80 and VPL-HW10 home cinema projectors</p>