SONY

VPL-VW200

BRAVIA 1080p HD High Frame Rate SXRD Home Cinema projector. Contrast ratio 35,000:1, BRAVIA ENGINE PRO, Motionflow Dark Frame Insertion, 400W pure Xenon lamp, Carl Zeiss lens.

Flagship Model for the Ultimate Home Cinema Room

Indulge your desire for premium quality and the ultimate viewing experience with the BRAVIA VPL-VW200. Our flagship model showcases the precision of a Carl Zeiss lens and the spectral clarity of a pure Xenon cinematic lamp. Three High Frame Rate (100 fps) SXRD 1080p panels combined with Sony's Motionflow Dark Frame Insertion deliver smoother, more detailed pictures in fast motion video. The Panel Alignment function allows the precise alignment of R/G/B images with zone specific adjustment to deliver a sharper, crisper picture, with a screen size up to 300"/7.6m.

Features

Sony Original High Frame Rate SXRD™ Panels

The core of the BRAVIA VPL-VW200 is its High Frame Rate triple SXRD™ panel array which can operate at 100 fps - double the norm - for exceptionally smooth on-screen action. Read more details on SXRD in the benefit section.

Crisp, Smooth Action with Motionflow Dark Frame Insertion

The projector uses Motionflow Dark Frame Insertion to deliver on the potential offered by the High Frame rate SXRD panels. Motionflow itself works by creating intermediate frames from the original video source and inserting them to double the number of images displayed every second. The unprecedented level of accuracy with which this is done ensures that what you see on the screen is a seamless, perfectly crisp and smoothly moving image.

Dark Frame Insertion enhances the effect of Motionflow. The optional insertion of darkened frames heightens the contrast and eliminates any judder - the jerky picture that can occur when the camera pans - by allowing the eye

'space' to blend one frame into the next. This action mimics that of actual movie projection and functions best in the darkened environment of a Home Cinema.

Digital Picture Processing - BRAVIA ENGINE PRO

The VPL-VW200 boasts the advanced BRAVIA ENGINE PRO featuring Digital Reality Creation (DRC-MF v2.5) which further improves both Standard and High Definition signals through four additional processing steps, so that you see every detail clearer than ever before. For example, through the process of noise reduction, interference within the signal is reduced pixel by pixel, essentially upgrading the quality of even High Definition pictures. The work of the BRAVIA ENGINE PRO in combination with High Frame Rate SXRD panels is the reason the VPL-VW200 can deliver such sharp, vibrant and lifelike images.

Superb Contrast Ratio with Advanced Iris 2

The Advanced Iris 2 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 35,000:1 (the difference between dead black and pure white), Advanced Iris 2 can bring out the detail in darker sequences and prevent bright scenes from looking washed out.

High Resolution Carl Zeiss Vario-Tessar Lens

Nothing has a greater impact on picture quality than lenses. So it's no wonder cinematographers insist on the legendary optics of Carl Zeiss. The professional-grade Vario-Tessar lens is composed of many separate glass elements bringing world renowned precision to the BRAVIA VPL-VW200 home cinema projector. Each Vario-Tessar lens is individually tested and evaluated to the most stringent standards of resolution, uniformity and focus. The result is a first-class lens of unquestioned quality with an impressive motorised zoom range of 1.8x offering both vertical (65%) and horizontal (6.7%) Lens Shift

adjustment, making it easy to set the projector up and achieve a good picture in a variety of environments.

Extraordinary Colour Spectrum - Pure Xenon Lamp

Reproducing the brightness of clear whites and reds has always posed a problem for conventional projectors. Not for the VPL-VW200. Its Pure Xenon Lamp has extraordinary spectral characteristics so it can produce a light spectrum similar to that of sunlight. This spectral profile allows the Pure Xenon Lamp to generate staggering reds for richer, more natural colours overall, especially when paired with a High Definition video source. The capacity of the 400 wattage lamp makes it exclusive to the VPL-VW200, with the exception of the professional screening rooms at major motion picture studios.

Advanced Colour Enhancement Features

Something else that brings the VPL-VW200 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 Ethernet

The inclusion of twin connectors with HDMI™ technology opens up another dimension for the VPL-VW200. 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 Theatre 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-VW200 also accommodates a 12-volt trigger out terminal that will automatically lower a powered theatre screen and a RJ45 Ethernet port which offers efficient network control -simple and comprehensive menu settings from a remote PC.

Silent Operation

Apart from bright lights, something else that can degrade the Home Cinema experience is noise from the projector itself. With this fully in mind, the air circulation system that cools the VPL-VW200 is meticulously designed and the fan runs at a whisper-quiet 22dB.

Benefits

Advantages of Sony High Frame Rate SXRD™ panels

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 then 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 7um.

Higher Contrast Ratio

Contrast is central to superior picture quality, so the innate high contrast of SXRD is leveraged by Sony's Advanced Iris 2 system to produce a superb contrast ratio of up to 35,000:1 for the VPL-VW200.

Designed with fast-action movies/games in mind

The 2.5ms response time makes a further contribution to the overall impression of fluid, natural movement essential for a convincing recreation of the cinematic experience. When compared to the 8 millisecond response time of a conventional LCD television, you begin to get a sense of just how fast SXRD panels really are.

Film-like reproduction of 35mm film

SXRD provides film-quality smoothness by minimizing the space between pixels (0.35?m) for smooth and dot-less pictures. Thanks to this authentically breathtaking picture from High-Definition signal sources are reproduced. Even image sequence can be enjoyed free of the 'chicken-wire' effect.

Double Speed Processing

The special High Frame Rate SXRD panels can operate at 100 fps - double the norm - for exceptionally smooth on-screen action

Unique Algorithm of Motionflow Dark Frame Insertion

To bring the thrill of watching fast-paced, cinematic action to your home, the VPL-VW200 features a technology called Motionflow Dark Frame Insertion which makes motion much smoother through a method - in combination with High Frame Rate SXRD panels - 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 in the sequence. Although other technologies also insert frames in a similar way, Motionflow Dark Frame Insertion uses a unique algorithm that can take into account more visual factors from the existing frames - so the new frame is much more accurate. The optional insertion of darkened frames heightens the contrast and eliminates any judder - the jerky picture that can occur when the camera pans - by allowing the eye to naturally blend one frame into the next. This action mimics that of actual movie projection and functions best in a completely dark environment. You'll experience movies and sports with a greater sense of realism than ever before.

Panel Alignment Function

To ensure the perfect image, the VPL-VW200 comes with 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 ±2.0 dot by 0.1. Besides Panel Shift alignment the VW200 offers also Panel Zone Alignment; define one zone out of 16x9 points across the screen and adjust ±2.0 dot by 0.1.

Gamma Adjustment Application Software - Image Director 3

The VPL-VW200 works with "Image Director3" via the RS232C terminal. Image Director 3 comes on a CD-ROM. This application software is suitable for fine gamma adjustments. With Image Director 3 on your 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.

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 widescreen 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.

Easy to use & Future-proof

The VPL-VW200 is easy in use and set-up. All features offer a range of user-settings which easily can be controlled with the supplied illuminated remote control via the on-screen menu. To name just one - Advanced Iris 2 has four settings; Auto 1, Auto 2, Manual and Off. SXRD, BRAVIA ENGINE PRO, x.v.Colour and Deep Colour future-proof the VPL-VW200 even further.

Service & Support

The VPL-VW200 comes with 3-year support that offers more than a standard warranty. With PrimeSupport®, you have the following valuable benefits:
- Telephone Helpdesk;
- Free phone
- Multilingual (English, German, French, Italian, Spanish)
- Mon - Fri 09:00-18:00 CET
- Provide advice on functionality and act as the first point of contact for service requests.

In the unlikely event of the VPL-VW200 failing, we arrange repair of your unit. All shipping costs to and from your chosen location will be covered by Sony. If the repair takes longer then 10 working days, a loan unit will be offered.

Qualified Sony engineers will maintain your projector giving you peace of mind that there will be no unexpected bills while your VPL-VW200 is covered by PrimeSupport.

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Technical Specifications

Optical

Panel Resolution	1080p Full HD, 1920 x 1080
Panel Technology / Panel Size / Nr of Pixels	Sony SXRD / 0.61-inch / 6,220,800 (2,073,600 x 3) Pixels
Panel Pixel Size / Inter-pixel spacing / Panel Response Time	7μm / 0.35μm / 2.5ms
Contrast Ratio Advanced Iris 2	35,000:1
Brightness	800 ANSI Lumen
Lens Type	Carl Zeiss Vario-Tessar Lens
Lens Zoom Ratio, F/f	x1.8 Motorised Zoom, 2.54 - 3.53 / 18.7 - 33.7mm
Lens Shift	Vertical 65%, Horizontal 6.7%
Lamp Type	400W Pure Xenon, LMP-H400

Inputs

HDMI (19-pin connector)	2 (CEC)
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)

Output

RJ45 (Ethernet)	1
Trigger Out (Mini Jack)	1 (12V Power Electrical Screen)
Control RS-232C (D-sub 9-pin)	1 (AMX Protocol Supported)

General

Fan Noise	22dB
Lamp Life	2,500 Hours (Replacement time)
Filter Cleaning Time	Every 1,250 Hours
Power Consumption: Max / Standby / Low	650W / 10W / 0.5W
Dimensions (W x H x D)	500 x 175 x 578 mm
Weight	20kg
Body Colour	Midnight Blue

Throwing Distance, 16:9 Screen, Ceiling Mount

Min - Max Screen Size (diagonally)	40 - 300-inch / 1 - 7.6m
40-inch / 1m screen	1.5 - 2.4m
80-inch / 2m screen	2.7 - 4.5m
100-inch / 2.5m screen	3.4 - 5.6m
120-inch / 3.0m screen	4.0 - 6.7m
200-inch / 5.1m screen	6.5 - 11.0m
300-inch / 7.6m screen	9.7 - 16.4m

Acceptable Video Signals

720p	720/60p, 720/50p
1080i	1080/60i, 1080/50i, 1080/48i
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)