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VPL-FHZ55 WUXGA 3LCD laser projector

see things in a new light with the world's first WUXGA 3LCD laser projector

No lamp. No downtime. Better, brighter, higher contrast images.
In a world first, Sony teams a highly efficient laser light source with 3LCD BrightEra™ Technology. This unique combination delivers exceptionally bright, high contrast pictures with excellent colour accuracy and stability. Improved efficiency and significantly greater durability ensure reduced downtime and lower lifetime ownership costs.

Unprecedented stamina, brightness and image quality

The VPL-FHZ55 is the world's first 'lamp-free' 3LCD laser projector. Ideal for quality-critical installation applications, it delivers bright, detail-packed WUXGA images with a resolution that's higher than Full HD. So your audience only sees big, beautiful pictures… not pixels.

The environmentally friendly, mercury-free laser light source is teamed with 3LCD BrightEra™ technology by Sony. You'll see the difference with superb image quality and class-leading 4000 lumens colour brightness, plus exceptional contrast and consistent colour stability.

This advanced, highly efficient laser light source typically offers 20,000 hours* of operation with no downtime or replacement – far higher than traditional projection lamps. Virtually zero maintenance requirements and a range of energy-saving features reduce total lifetime ownership costs compared with conventional UHP projectors.

The VPL-FHZ55 fits smoothly into almost any environment, from academic institutions, corporate, medical and public sector organisations, to visitor attractions and retail spaces. Seamlessly blend images from multiple projectors to create super-sized displays, or even project true, accurate images onto curved surfaces. Install the projector at any angle – even on its side or upside down. With the VPL-FHZ55, there are no limits to your creative vision.

* under the condition of Light Dimming function activated

Features

A new generation in 3LCD panel technology
Unique to Sony, 3LCD BrightEra™ technology is combined with the advanced laser light source, delivering improved efficiency, colour stability, brightness and contrast.

20,000 hours* maintenance-free operation
The advanced laser light source offers a typical 20,000 hours operation without maintenance or replacement, reducing lifetime running costs compared with traditional projectors. Synchronised filter replacement cycles keep the projector in peak operating condition while cutting maintenance visits even further.

Clear, bright, punchy presentations in any lighting conditions
Add more detail, impact and realism to presentations with high 4000 lumen colour brightness. Get your message across clearly, even when ambient light levels are high.

Crisp, detail-packed WUXGA resolution images
See the finest detail in PC presentations, videos or multimedia signage with WUXGA (1920 x 1200) 16:10 resolution image.

Up to 8,000:1 contrast ratio
Bring new levels of impact and excitement to any presentation. Sparkling highlights look brighter and whiter, complemented by incredibly deep, rich blacks and lowlights.

Wide Lens Shift, Zoom and Throw Ratio
Generous zoom, throw and lens shift adjustments give more flexibility for positioning the projector where you need it: close to ceilings, near the screen or even horizontally offset.

360° free-angle installation capability
Enjoy supreme installation flexibility: position the projector freely at any angle, or its side or even upside down.

Create super-size displays with Edge Blending
Seamlessly join accurately colour-matched images from multiple projectors, simplifying creation of stunning super-size displays for retail, corporate and live event applications.

Project onto non-flat surfaces with Image Warping
Easily correct image geometry for natural-looking projections – even on curved, convex or concave surfaces. Corner and edge correction can be easily adjusted with the supplied remote and on-screen menu.

Project Side by Side
Project images from two inputs at the same time: it's ideal for applications like video conferencing and medical training where two images need to be seen simultaneously.

DICOM GSDF Simulation mode
Get a clear view of digital medical images for training and other non-diagnostic applications. NB: Conforms to GSDF (Grayscale Standard Display Function) medical standards for DICOM (Digital Imaging and Communications in Medicine).

Save energy at the touch of a button
Just push the ECO MODE button on the projector or remote commander to instantly access a range of energy-saving settings.

Auto Dimming
Projector brightness is gradually reduced automatically if there's no input signal, or after a pre-set time – cutting power consumption and saving energy bills.

Auto Brightness
Laser output power adjusts automatically depending on picture content, saving energy when dark scenes are being projected.

Power Saving Picture Mute
Touch a button on the projector remote and the picture's muted instantly, cutting brightness by 95% and reducing power consumption. Another touch and the projector's instantly powered back up to resume your presentation.

PrimeSupport

This projector comes supplied with a 5-year support pack when sold in the EU, Norway and Switzerland, which offers unique extra services and benefits:

- **5 year cover****
- **Free telephone helpdesk support in English, German, French, Italian and Spanish**
- **Collection and delivery anywhere in the EU, Norway and Switzerland**

* under the condition of Light Dimming function activated

** Subject to Hours on Optical Engine and laser light source will be applied

beautifully
clear, bright,
high contrast
images with
reduced lifetime
ownership costs

Specifications

		VPL-FHZ55
Display system		3LCD system
Light output	Mode 1	High: 4,000 lm
	Mode 2	Standard: 3,000 lm
Contrast ratio		8,000:1
Display device LCD 0.76" x 3	Micro lens	Yes
	Effective picture elements	6,912,000 pixels
	Resolution	WUXGA
	Optics life (typical)	20,000 h (under the condition of Light Dimming function activated)
Filter	Access	Rear
	Cycle	Max 20,000 h (0.03mg/m3)
Projection lens	Zoom	Manual
	Zoom ratio	x1.60
	Throw ratio	1.39-2.23
	Screen size	40-600
	Lens shift — V / Max.range	Manual / 0 - +60%
	Lens shift — H / Max.range	Manual / +/- 32%
Keystone correction	V / Degrees	Manual / ± 30
	H / Degrees	Manual / ± 30
Light source life	Mode 1	20,000 h (under the condition of Light Dimming function activated)
	Mode 2	20,000 h (under the condition of Light Dimming function activated)
Acoustic noise	High (dB)	40
	Low (dB)	35
Operating temperature	Degrees C	0-40
	Degrees F	32-104
Storage temperature	Degrees C	-10-60
	Degrees F	14-140
Operating Humidity %		20-80
Storage Hunidity %		20-80
Ventilation In / Ex		Side
Operating angle		All angle
	Portrait Mode	Yes
Power requirements		AC 100 V to 240 V, 4.6 A to 1.9 A, 50 Hz /60 Hz
Power consumption	High [W] 100V-120V	449 W
	High [W] 220V-240V	426 W
	Standard [W] 100V-120V	364 W
	Standard [W] 220V-240V	348 W
	Standby — Standard [W] 100V-120V	8.5 W
	Standby — Low [W] 100V-120V	0.15 W
	Standby — Standard [W] 220V-240V	9.5 W
	Standby — Low [W] 220V-240V	0.3 W
Heat dissipation	100V-120V	1,528 BTU
	220V-240V	1,450 BTU
Display resolution	Computer	WUXGA,SXGA+/SXGA(Comp),XGA/SVGA/ VGA,UXGA,WSXGA+
	Video	1080p / 720p / 480p
	Colour system	NTSC3.58/PAL/SECAM/NTSC4.43/PAL-M/PAL-N/PAL60

TERMINALS

		VPL-FHZ55
Input	D-sub 15 (INPUT B)	1
	Digital (INPUT C/D)	2(DVI-D, HDMI)
	5 BNC (INPUT A)	1
	PC Audio (3.5mini)	2
	Video (RCA)	1
	S-Video	1
	Component	Shared with BNC
	Video Audio (RCA LR)	1
	IF Slot	No
Output	Computer	1
	Audio mini	1(VAO:Stereo)
Network & Control	RS-232C (RS-422)	D-sub 9pin
	RJ-45	Yes
	USB TypeB	No
	Wired RC mini jack	1(DC5V)
Others		-

		VPL-FHZ55
Speaker	(W)	No
	System	-
Network	Information/Control	Yes
	E-Mail Report	Yes
	Remote desk	No
	Web control	IE 8 / 9 /10
	Network presentation	No
	PJ Talk2	Yes
	PJ Link	Yes
	SNMP	Yes
	Advertisement (SADP)	Yes
	AMX DDDP	Yes
	Crestron RoomView	Yes
	Wireless	No
	PC-less	No
Security fuction	Security bar	Yes
	PIN code	Yes
	Key protect	Yes
Other functions	CC	Yes
	User Logo	Yes (service only)
	P by P (TWIN)	Yes
	Screen Aspect	Yes
	V Center/V Size	Yes
	GAMMA	12bit / DICOM / Gammma 1/2
	Menu Position	Yes
	Edge Blending	Yes
	Color Matching	Yes
	Warp	Yes
	Panel Alignment	Yes
	2-2 pull down	No
	PC Sharpness	Yes
	OSD Languages	24 languages(English, Dutch, French, Italian, German ,Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian, Indonesian, Finnish, Hungarian and Greek)
	Instant On/Off	Yes
	All Range Brightness Adjustment	Yes
	Constant Brightness Mode	Yes
	Auto Dimming	Yes (5-100%)
	Auto Brightness	Yes (5-100%)
	Direct Power	On/Off
Handle		Grip
Carrying Case		No
Unique features		Hg Free
Dimensions	Width	390 mm
	Height	148 mm
	Depth	500 mm
w/o protrusion	Width	390 mm
	Height	134 mm
	Depth	487 mm
Volume		25.5 L
Mass		approx. 11 kg
Safety Regulations		UL60950-1, cUL No.60950-1, FCC/IC Class A, CE EN60950-1(LVD,EMC) (CLASS 2 LASER PRODUCT)
Supplied Accessories		Remote Commander (1)
		RM-PJ19
		Size AA (R6) batteries (2)
		AC power cord (@local) (1)
		Cable Ties (2)
		Quick Reference Manual (1)
		Security label (1)
		Operating Instructions (CD-ROM) (1)
		PrimeSupport Warranty Pack (1) Outside of box
Optional Accessories		PAM-300

For full features visit www.pro.sony.eu/projectors

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