

SONY



**Corporate &
education solutions
range guide**

August 2016

www.pro.sony.eu



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The Sony Solution

When it comes to professional AV technology, Sony provides more than just products – we create solutions.

Solutions that empower all kinds of organisations, with advanced audio-visual tools that help them go further. Solutions designed for every industry and sector, from schools to universities, small business to big business, retail to medical and more.

Solutions like our Laser Light Source Projectors, delivering powerful images, virtually maintenance-free, to universities across Europe. Vision Presenter, taking audience engagement to new levels. BRAVIA Professional Displays enabling dynamic, digital signage. Desktop and portable projectors providing uncompromised quality at a low TCO to business and education.

Whatever size the organisation, whatever the requirement, we have the perfect solution. And always with our full support.

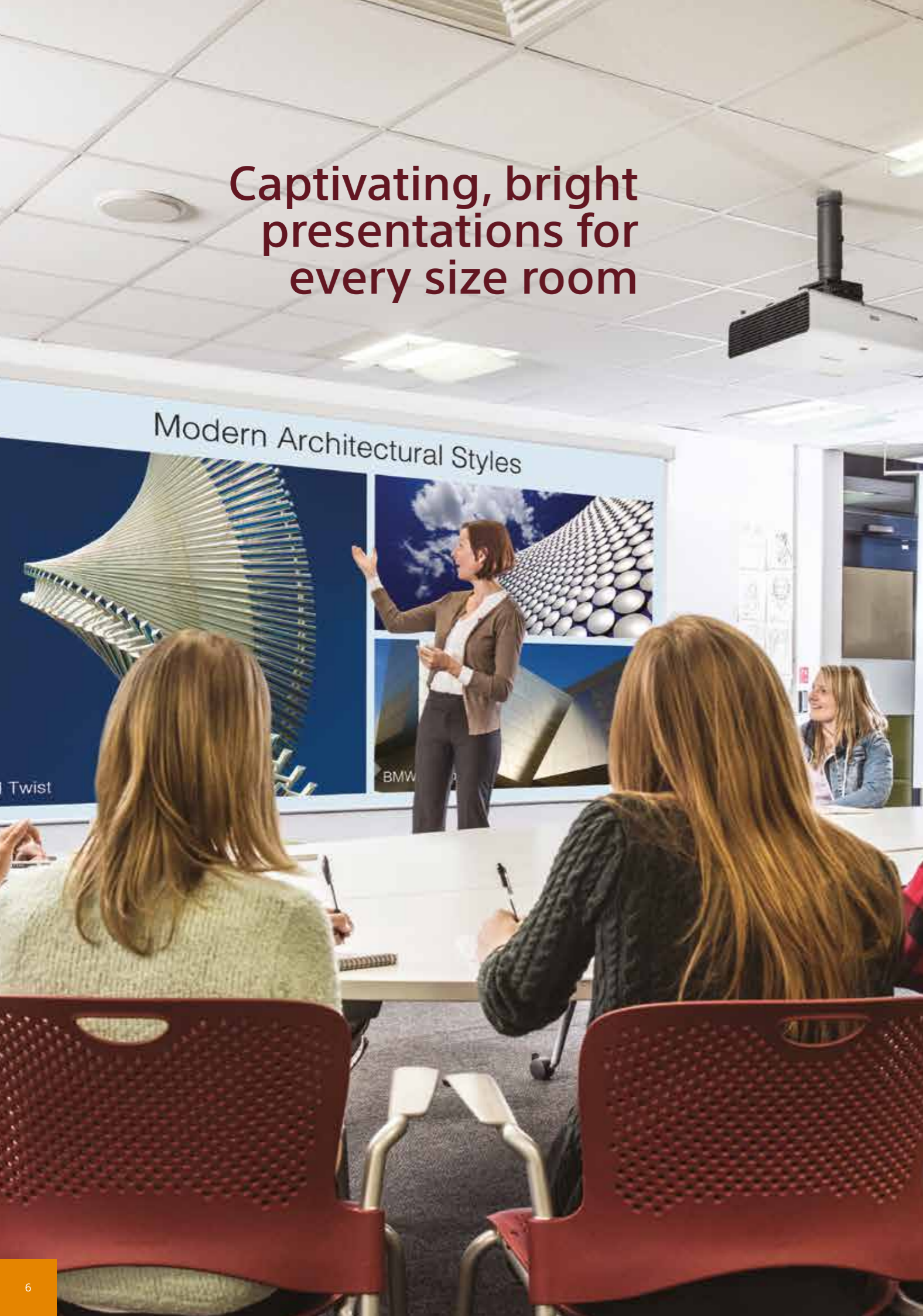
For full product features and specifications please visit pro.sony.eu

PrimeSupportPro

PrimeSupportElite

To keep you up and running, the majority of our products come with a 3 year PrimeSupport Pro package as standard. Offering unique services and benefits, our package provides over and above a standard warranty. For optional PrimeSupport Elite extensions please contact your Sony Account Manager or authorised dealer. Visit pro.sony.eu/PrimeSupport

Captivating, bright presentations for every size room



Projectors

From classrooms and offices to lecture halls and auditoriums, Sony projectors deliver outstanding quality, reliability and energy-efficiency in every kind of venue.

Installation

Outstanding image quality whatever the light source - the world's first and brightest 3LCD laser projectors

Our laser projectors are ideal for a wide range of high-end business, education or large-scale applications. The powerful Z-Phosphor laser light source is teamed with Sony's advanced 3LCD projection engine to deliver extremely bright, rich, and stable colours.

For everyday applications and environments, our lamp projectors offer the same advanced 3LCD projection engine with cost-effective features that deliver the same high-quality performance.

Highlights - laser or lamp technology

- Powerful, WUXGA & WXGA resolution images
- Models range from 4,000 to 7,000 colour and white light output
- Easy, flexible installation
- Energy-saving features

Business and education projectors

Including portable and Ultra Short Throw

For classrooms or meeting spaces, our portable and desktop projectors are lightweight, durable and easy-to-use, combining outstanding performance with cost-efficiency. Wireless connectivity enables presentation direct from PC, Mac, smartphone or tablet, and greater opportunities for audience sharing and interaction. If space is limited, our Short Throw and Ultra Short Throw models produce big, bright images without needing to be far from the screen, whiteboard or wall.

Highlights

- 3LCD BrightEra™ technology
- Smart ECO features
- Long lamp life
- Options with XGA or WXGA resolution
- Models range from 2,600 to 4,200 colour and white light output



D-100 Series

6 compact and lightweight economical desktop projectors for office and classroom, offering high performance, network / wireless presentation and superior ease of use.



Wireless or Network Presentation

- Presentations can be projected from any PC, Mac or tablet on the network.
- Projector Station for Network Presentations provided.
- For tablet/smartphone, an application is available for download.

USB display

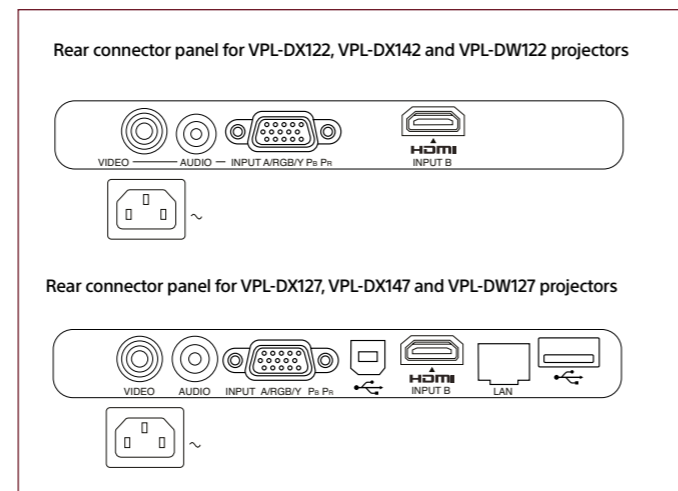
- Display pictures and audio with one USB cable.
- A convenient way when you want to connect easily and quickly.

Off and Go

- Switch off and unplug at the end of your presentation, then move on to your next meeting while the projector is still cooling down without damage to the lamp.

D-100-Series models are available in our projector line-up until the following dates

- | | |
|-----------------------|--------------------------|
| VPL-DX122 July 2016 | VPL-DX147 August 2016 |
| VPL-DX127 August 2016 | VPL-DW122 September 2016 |
| VPL-DX142 August 2016 | VPL-DW127 September 2016 |



D-100 Series Optional Accessories

LMP-D213
Replacement projector lamp



PAM-210
Ceiling mount



PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate



Oi/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app



	VPL-DX122	VPL-DX127	VPL-DX142	VPL-DX147	VPL-DW122	VPL-DW127
Display system	3 LCD system					
Display device	0.63" (16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3			0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		
	2,359,296 (1024x768 x 3) pixels			3,072,000 (1280x800 x 3) pixels		
Projection lens	Manual					
	Manual					
	Approx. x 1.2		Approx. x 1.3		Approx. x 1.3	
Light source	Ultra high pressure mercury lamp / 210 W type					
	3000 H					
Recommended lamp replacement time ^{*1}	5000 H					
	10000 H					
	1000 H (Cleaning)					
Filter cleaning / replacement cycle (Max.) ^{*1}	30° to 300° (0.76 m to 7.62 m) (measured diagonally)					
Screen size	2600 lm					
	2600 lm			2300 lm		2600 lm
	1900 lm			2000 lm		1500 lm
White and colour light output	3000:1					
	1 W x 1 (monaural)					
	19 kHz to 92 kHz					
Speaker	48 Hz to 92 Hz					
Displayable scanning frequency	Maximum display resolution: UXGA 1600 x 1200 dots ^{*3}					
Display resolution	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i.					
	The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p					
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N					
Keystone correction (Max.) - Vertical	+/- 30 degrees					
OSD language	23-languages ^{*4}	24-languages ^{*5}	23-languages ^{*4}	24-languages ^{*5}	23-languages ^{*4}	24-languages ^{*5}
INPUT OUTPUT (Computer / Video / Control)	RGB / Y PB PR input connector: Mini D-sub 15 pin female, Audio input connector: Stereo mini jack (shared with VIDEO IN)					
	HDMI input connector: HDMI 19-pin, HDCP support					
	Video input connector: Pin jack, Audio input connector: Shared with INPUT A					
	LAN	-	RJ-45, 10BASE-T/100BASE-TX	-	RJ-45, 10BASE-T/100BASE-TX	-
USB	-	Type-A, Type-B	-	Type-A, Type-B	-	Type-A, Type-B
Acoustic noise	Lamp mode: Low					
Operating temperature / Operating humidity	0°C to 35°C (32°F to 95°F) / 20% to 80% (no condensation)					
Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)					
Power requirements	AC 100 V to 240 V, 2.9 A to 1.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.0 A to 1.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 2.9 A to 1.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.0 A to 1.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 2.9 A to 1.2 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.0 A to 1.2 A, 50 Hz / 60 Hz
	Lamp mode: High: 289 W	Lamp mode: High: 297 W	Lamp mode: High: 290 W	Lamp mode: High: 298 W	Lamp mode: High: 288 W	Lamp mode: High: 301 W
Power consumption	AC 100 V to 120 V	Lamp mode: High: 278 W	Lamp mode: High: 285 W	Lamp mode: High: 277 W	Lamp mode: High: 286 W	Lamp mode: High: 287 W
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")				
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")				
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")				
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	5.3 W (LAN), 5.9 W (optional WLAN module), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	-	5.3 W (LAN), 5.9 W (optional WLAN module), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	-	5.3 W (LAN), 5.9 W (WLAN), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	5.3 W (LAN), 5.9 W (optional WLAN module), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	-	5.3 W (LAN), 5.9 W (optional WLAN module), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	-	5.3 W (LAN), 5.9 W (WLAN), 6.1 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
Standby Mode / Networked Standby Mode Activated	-	After about 10 Minutes	-	After about 10 Minutes	-	After about 10 Minutes
Wireless Network(s) On/Off Switch	-	1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off	-	1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off	-	1) Press the MENU button, then select [Connection/Power] 2) [WLAN Settings] 3) [WLAN Connection] 4) Select On or Off
Heat dissipation	AC 100 V to 120 V	985 BTU/h	1011 BTU/h	987 BTU/h	1014 BTU/h	980 BTU/h
	AC 220 V to 240 V	946 BTU/h	970 BTU/h	943 BTU/h	973 BTU/h	936 BTU/h
Dimensions (W x H x D) (without protrusions)	Approx. 315 x 75 x 230.5 mm (12 13/32 x 2 15/16 x 9 1/16 inches)					
Mass	Approx. 2.5 kg (5.5 lb)	Approx. 2.6 kg (5.5 lb)	Approx. 2.5 kg (5.5 lb)	Approx. 2.6 kg (5.8 lb)	Approx. 2.5 kg (5.5 lb)	Approx. 2.6 kg (5.8 lb)
Supplied accessories	Remote commander (RM-PJ8)	Remote commander (RM-PJ8), Wireless LAN Module (IFU-WLM3)	Remote commander (RM-PJ8)	Remote commander (RM-PJ8), Wireless LAN Module (IFU-WLM3)	Remote commander (RM-PJ8)	Remote commander (RM-PJ8), Wireless LAN Module (IFU-WLM3)
Optional Accessories	Optional Lamp (LMP-D213)	Optional Lamp (LMP-D213), Wireless LAN Module (IFU-WLM3)	Optional Lamp (LMP-D213)	Optional Lamp (LMP-D213), Wireless LAN Module (IFU-WLM3)	Optional Lamp (LMP-D213)	Optional Lamp (LMP-D213), Wireless LAN Module (IFU-WLM3)

^{*1} This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | ^{*2} The value is average. | ^{*3} Available for VESA Reduced Blanking signal. | ^{*4} English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian. | ^{*5} English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian.

For full product specifications and features please visit pro.sony.eu/projectors-desktop



D-200 Series

4 compact and lightweight economical desktop projectors for office and classroom, offering high performance, superior quality and ease of use.

High Image Quality

XGA and WXGA resolution, our new D-200 Series projectors feature new Vivid Mode for a much more brilliant, richer and stable colour experience.

Easy Connectivity

Two HDMI ports and a USB power supply port (5V 2A max) simplify connection with laptops plus other devices like 'stick' computers and smart dongles.

Auto On and Quick Off

Connecting to a PC automatically turns the projector on and Quick Off feature makes the projectors extremely easy to use.

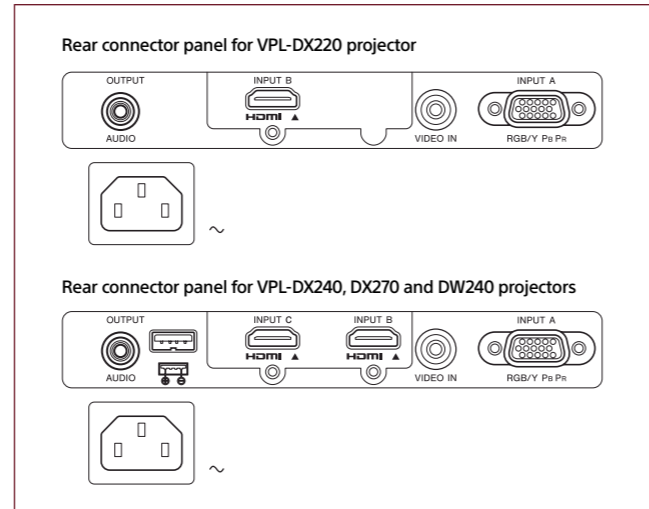
D-200 Series models are available in our projector line-up from the following dates*

VPL-DX220 August 2016

VPL-DX270 October 2016

VPL-DX240 October 2016

VPL-DW240 September 2016



	VPL-DW240	VPL-DX220	VPL-DX240	VPL-DX270
Display system	3 LCD system			
Display device	Size of effective display area	0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	0.63" (16mm) x 3 Aspect ratio: 4:3	
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels	2,359,296 (1024x768 x 3) pixels	
Projection lens	Zoom	Optical: Manual (Approx. x 1.3)	Optical: Manual (Approx. x 1.2)	Optical: Manual (Approx. x 1.3)
	Focus	Manual		
	Throw Ratio	1.36:1 to 1.77:1	1.47:1 to 1.77:1	1.37:1 to 1.80:1
Light source	Type: Ultra high pressure mercury lamp 215 W type			
Recommended lamp replacement time ^{*1}	Lamp mode: High / Standard / Low	3000 H / 5000 H / 10000 H	3000 H / 5000 H / 6000 H	3000 H / 5000 H / 10000 H
Filter cleaning cycle ^{*1}	Max. 1000 H			
Screen size	30" to 300" (0.76 m to 7.62 m)			
White and colour light output ^{*2}	Lamp mode: High / Standard / Low	3000 lm / 2200 lm / 1900 lm	2700 lm / 2000 lm / 1700 lm	3200 lm / 2300 lm / 2000 lm
				3500 lm / 2600 lm / 2200 lm
Contrast ratio (full white / full black) ^{*3}	4000:1		3000:1	
Displayable scanning frequency	Horizontal	19 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots ^{*4} Panel display resolution: 1280 x 800 dots	Maximum display resolution: UXGA 1600 x 1200 dots ^{*4} Panel display resolution: 1024 x 768 dots	
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p The following items are available for digital signal (HDMI input) only: 1080/60p, 1080/50p		
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction (Max.) - Vertical	Max. Vertical: +/- 30 degrees			
OSD language	27-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek, Czech, Slovak, Romanian)			
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female)		
	INPUT B	HDMI input connector: HDMI 19-pin, HDCP support, audio support		
	INPUT C ^{*5}	HDMI input connector: HDMI 19-pin, HDCP support, audio support	-	HDMI input connector: HDMI 19-pin, HDCP support, audio support
	VIDEO IN	Video input connector: Phono jack		
	OUTPUT	Audio output connector: Stereo mini jack		
Power Supply	5V 2A (USB Type-A)	-	5V 2A (USB Type-A)	
Speaker	1 W x 1 (monaural)			
Operating temperature (Operating humidity)	0°C to 35°C / 32°F to 95°F (20% to 80%; no condensation)			
Storage temperature (Storage humidity)	-10°C to +60°C / 14°F to +140°F (20% to 80%; no condensation)			
Outside dimensions ^{*3}	W 325.1 x H 79.8 x D 230.5 mm (W 12 13/16 x H 3 5/32 x D 9 1/16 inches) (without protrusions)			
Mass ^{*3}	2.7 kg / 5.9 lb			
Supplied accessories	RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CDROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Lens cap (1), Carrying case (1)			
Replacement lamp	LMP-D214			

*1 The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

*2 The values are estimate.

*3 The value is average.

*4 Available for the VESA Reduced Blanking signal.

*5 Maximum resolution of the INPUT C terminal is up to 720p.



*Subject to change

D-200 Series

Optional Accessories

LMP-D214
Replacement projector lamp



PAM-210
Ceiling mount



PAM-0.5M
Extension pole
& ceiling plate



PAM-1.0M
Extension pole
& ceiling plate



PAM-1.5M
Extension pole
& ceiling plate



For full product specifications and features please visit pro.sony.eu/projectors-desktop



E-200 Series

4 models that bring learning to life. Bright, energy-efficient, portable projectors designed for education.



Advanced energy-saving features

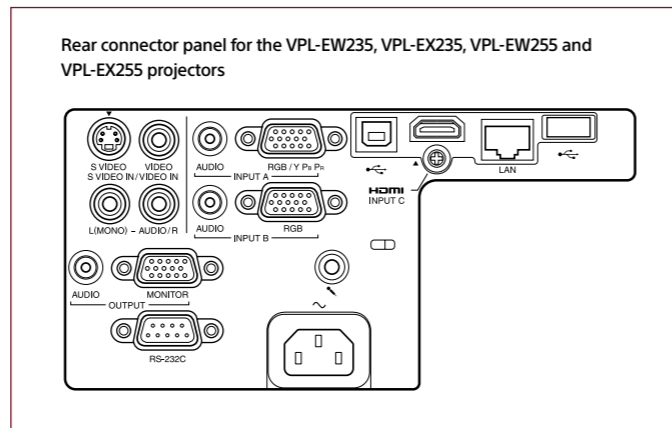
- Advanced lamp technology enables robust energy-saving features. Auto Light Dimming mode, 3 Brightness mode and Auto Lamp Mode.

ECO PIC Mute (Blanking)

- Reduce power consumption / brightness when not in use.
- One button operation.

Network presentation (LAN/Wireless LAN)

- Connected to a W/LAN environment, presentations can be projected from any PC on the network. A tablet or smartphone can also be connected at the same time. Projector Station for Network Presentation software is provided and the Vuemagic App is also available to download.



E-200 Series Optional Accessories

LMP-E212
Replacement projector lamp



IFU-WLM3
USB wireless module



PAM-210
Ceiling mount



PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate



Oi/Android APP
Connect your devices to projectors via a WiFi network with the Vuemagic™ app



VPL-EBag
Safely transport your projector



	VPL-EW235	VPL-EW255	VPL-EX235	VPL-EX255
Display system	3 LCD system			
Display device	Size of effective display area		0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10	
	Number of pixels		3,072,000 (1280x800 x 3) pixels	
Projection lens	Focus			
	Zoom - Powered/Manual			
	Zoom - Ratio			
	Throw Ratio			
Light source	Type / Wattage			
	Ultra high pressure mercury lamp / 210 W type			
Recommended lamp replacement time*1	Lamp mode: High		4000 H	
	Lamp mode: Standard		6000 H	
	Lamp mode: Low		10000 H	
Filter cleaning / replacement cycle (Max.)*1	7000 H (cleaning)			
Screen size	30" to 300" (0.76 m to 7.62 m) (measured diagonally)			
Light output	Lamp mode: High		2700 lm	
	Lamp mode: Standard		1900 lm	
	Lamp mode: Low		1500 lm	
Colour light output	Lamp mode: High		2700 lm	
	Lamp mode: Standard		1900 lm	
	Lamp mode: Low		1500 lm	
Contrast ratio (full white / full black)*2	2700:1		3300:1	
Speaker	16 W x 1 (monaural)			
Displayable scanning frequency	Horizontal			
	Vertical			
Display resolution	Computer signal input			
	Video signal input			
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction (Max.) - Vertical	+/-20 degrees		+/-30 degrees	
OSD language	24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)			
INPUT OUTPUT (Computer / Video / Control)	INPUT A			
	INPUT B			
	INPUT C			
	S VIDEO IN			
	VIDEO IN			
	OUTPUT			
	REMOTE			
	LAN			
	USB			
	MICROPHONE IN			
Acoustic noise	Lamp mode: High / Standard / Low			
Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)			
Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)			
Power requirements	AC 100 V to 240 V, 3.0 A to 1.3 A, 50 Hz / 60 Hz			
Power consumption	AC 100 V to 120 V		Lamp mode: High: 289 W	
	AC 220 V to 240 V		Lamp mode: High: 278 W	
Power Consumption (Standby Mode)	AC 100 V to 120 V		Lamp mode: High: 314 W	
	AC 220 V to 240 V		Lamp mode: High: 301 W	
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V		Lamp mode: High: 219 W	
	AC 220 V to 240 V		Lamp mode: High: 299 W	
Standby Mode / Networked Standby Mode Activated	After about 10 Minutes			
Wireless Network(s) On/Off Switch	1) Press the MENU button, then select [Connection/Power], 2) [WLAN Settings], 3) [WLAN Connection], 4) Select On or Off			
Heat dissipation	AC 100 V to 120 V		986 BTU/h	
	AC 220 V to 240 V		949 BTU/h	
Dimensions (W x H x D) (without protrusions)	Approx. 365 x 96.2 x 252 mm (14 3/8 X 3 25/32 X 9 29/32 inches)			
Mass	Approx. 3.9 kg (8 lb)		Approx. 3.9 kg (8 lb)	
Supplied accessories	Remote commander (RM-PJ8)			
Optional Accessories	Optional Lamp (LMP-E212), Wireless LAN module (IFU-WLM3)			

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The value is average. | *3 Available for VESA Reduced Blanking signal. | *4 From INPUT A and INPUT B. | *5 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit pro.sony.eu/projectors-desktop



E-300 Series

5 models that bring content to life. Bright, portable and energy-efficient; they're a perfect partner throughout busy presentation schedules.

Advanced energy-saving features

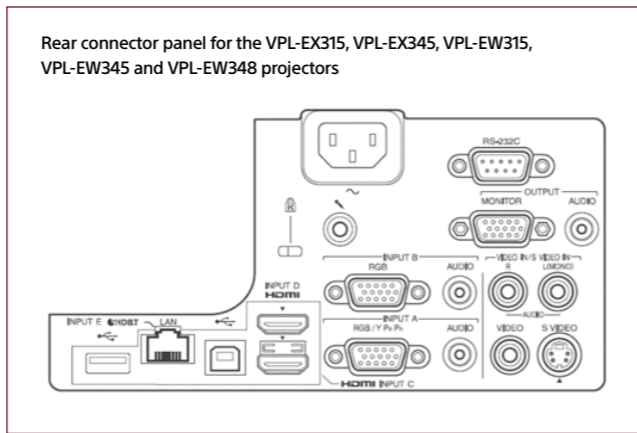
- Advanced lamp technology enables robust energy-saving features. Auto Light Dimming mode, Auto Lamp Mode and long lasting lamp-life up to 10,000 hours*

BrightEra 3LCD projection








- Clear, high contrast pictures in virtually any light conditions with 3,800 - 4,200 lumens of colour brightness.

Simple installation with HDBaseT**

- Simpler, more cost-effective installation and connectivity over a single Ethernet cable.



E-300 Series Optional Accessories

<p>IFU-WLM3 USB wireless module</p> 	<p>LMP-E221 Replacement Projector Lamp</p> 	<p>PAM-210 Ceiling mount</p> 	<p>PAM-0.5M Extension Poles</p> 	<p>PAM-1.0M Extension Poles</p> 	<p>PAM-1.5M Extension Poles</p> 	<p>Oi/Android APP Connect your devices to projectors via a WiFi network with the VueMagic™ app</p> 
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		VPL-EX315	VPL-EX345	VPL-EW315	VPL-EW345	VPL-EW348
Display system		3 LCD system				
Display device	Size of effective display area	0.63"(16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3		0.75"(19mm) x 3 BrightEra LCD Panel Aspect0.75"(19mm) x 3 BrightEra LCD Panel Aspect ratio 16:10 ratio 16:10		
	Number of pixels	2,359,296 (1024x768 x 3) pixels		3,072,000 (1280x800 x 3) pixels		
Projection lens	Zoom (Manual)	X1.6				
	Focus	Manual				
	Digital Zoom	X4				
	Throw Ratio	1.40 to 2.27:1		1.10 to 1.79:1		
	Light source	Ultra high pressure mercury lamp				
Projection lens	Lamp Wattage	225W				
	Recommended lamp replacement time	4000 H / 6000 H / 10000 H (Lamp mode: High / Standard / Low)				
	Filter cleaning cycle	Max: 10000H (Same time as the lamp replacement is recommended)				
	Screen size	30" to 300" (0.76 m to 7.62 m)				
	Light output (Lamp mode: High / Standard / Low)	3800 / 3000 / 2500 lm	4200 / 3200 / 2500 lm	3800 / 3000 / 2500 lm	4200 / 3200 / 2500 lm	
Displayable scanning frequency	Color light output (Lamp mode: High / Standard / Low)	3800 / 3000 / 2500 lm	4200 / 3200 / 2500 lm	3800 / 3000 / 2500 lm	4200 / 3200 / 2500 lm	
	Contrast ratio (full white / full black)	3300:1			3700:1	
Displayable scanning frequency	Speaker	16W x1 (monaural)				
	Horizontal	15 kHz to 92 kHz				
Display resolution	Vertical	48 Hz to 92 Hz				
	Computer signal input	Maximum display resolution: 1920 x 1200 dots IV:60Hz				
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p, 1080/24p, 3840 x 2160/25p, 3840 x 2160/30p, 4096 x 2160/24p				
	Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60				
	Keystone correction	Vertical: Max.'+/-30 degrees		Vertical: Max.'+/-20 degrees		
Computer and video signal input/output	OSD language	27 Languages (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek, Czech, Slovakia, Romania)				
	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female, Audio input connector: Stereo mini jack				
	INPUT B	RGB input connector: Mini D-sub 15 pin female, Audio input connector: Stereo mini jack				
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support				
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support				
	VIDEO IN	Video input connector: Phono jack				
	S VIDEO IN	S Video input connector: Mini DIN 4-pin				
	MONITOR OUT	Mini D-sub 15 pin female				
	AUDIO OUT	Stereo mini				
	REMOTE	RS232C connector: D-sub 9-pin (male)				
Acoustic Noise	LAN	RJ-45, 10BASE-T/100BASE-TX			RJ45,100BASE-TX (Shared with HDBaseT)	
	USB	Type A, Type B				
Operating temperature (Operating humidity)	Microphone	Microphone input: mini jack				
	Storage temperature (Storage humidity)	29dB Lamp Mode (low)				
Power requirements (Approx)	Operating temperature (Operating humidity)	0°C to 40°C (32°F to 104°F)/20-80% (no condensation)				
	Storage temperature (Storage humidity)	10 °C to +60°C (-4°F to +140°F) / 20% to 80% (no condensation)				
Power consumption (High / Standard / Low)	AC 100 V to 240 V, 3.2 A to 1.4 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.1 A to 1.4 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.5 A to 1.5 A, 50 Hz / 60 Hz	
	AC 120 V to 240 V	314W / 261W / 233W	336W / 270W / 233W	310W / 259W / 230W	334W / 271W / 233W	341W / 277W / 240W
Standby mode power consumption	AC 100 V to 120 V	0.5W (Standby Mode: Standard / Low)				
	AC 220 V to 240 V	0.5W (Standby Mode: Standard / Low)				
Standby mode / Network Standby Mode Activated	AC 100 V to 120 V	5.3 W (LAN), 5.7 W (optional WLAN module)				
	AC 220 V to 240 V	6.0 W (All Terminals and Networks Connected) When "Standby Mode" is set to Standard				
Heat dissipation	AC 100 V to 120 V	5.5 W (LAN), 6.0 W (optional WLAN module)			6.3 W (All Terminals and Networks Connected) When "Standby Mode" is set to Standard	
	AC 220 V to 240 V	1071 BTU	1146 BTU	1058 BTU	1139 BTU	1163 BTU
Standard outside dimensions (Approx)	AC 100 V to 120 V	1037 BTU	1105 BTU	1023 BTU	1099 BTU	1122 BTU
	AC 220 V to 240 V	365 x105.3 x 259mm (With Protrusion) 365 x 96.2 x 252 mm (Without protrusion)		365 x105.3 x 267.7mm (With Protrusion) 365 x 96.2 x 252 mm (Without protrusion)		
Mass (Approx)	4 kg (8 lb 13 oz)		4.1kg (9 lb 1 oz)			
	Remote Commander (1), CR2025, Lithium Battery (1), HD15pin cable (1), Operating Instructions CD-ROM (1), AC Power Cord, WEEE, EU Battery Info, Service Documentation, Quick Reference Manual (1) Safety Regulation, Application Software (CD-ROM)					
Supplied Accessories	IFU-WLM3 USB wireless module, LMP-E221 Optional Lamp, PAM-210 Ceiling mount, PAM-0.5M Extension Pole, PAM-1.0M Extension Pole, PAM-1.5M Extension Pole					
Optional Accessories						

For full product specifications and features please visit pro.sony.eu/projectors-desktop



Short Throw Series

4 short throw projectors that create an 80-inch image from only 75-79cm away with less glare or shadow during presentations. Energy-efficient, wireless-ready with Eco-friendly capabilities.

Short throw distance

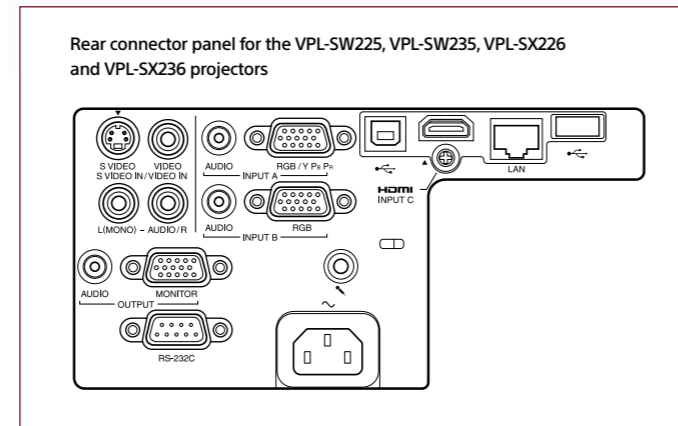
- Produces a 2.03m (80-inch) diagonal screen size image from only 75cm (29-inch) or 79cm (31-inch) away from the screen.

USB Media viewer

- Insert a USB drive to effortlessly display photos, images and graphics with no PC needed.

Networked control

- Projector functions and status can be managed and monitored remotely from any user's PC on the network. "Projector Station for Network Control" is provided.



S-Series

Optional Accessories

LMP-E212
Replacement projector lamp

IFU-WLM3
USB wireless module

PAM-210
Ceiling mount

PAM-0.5M
Extension pole & ceiling plate

PAM-1.0M
Extension pole & ceiling plate

PAM-1.5M
Extension pole & ceiling plate

Oi/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app



		VPL-SW225	VPL-SW235	VPL-SX226	VPL-SX236
Display system		3 LCD system			
Display device	Size of effective display area	0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.63" (16 mm) x 3 BrightEra, Aspect ratio: 4:3	
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels		2,359,296 (1024 x 768 x 3) pixels	
Projection lens	Focus	Manual			
	Throw Ratio	0.46:1		0.46:1	
Light source	Type / Wattage	Ultra high pressure mercury lamp / 210 W type			
	Lamp mode: High	4000 H			
Recommended lamp replacement time*1	Lamp mode: Standard	6000 H			
	Lamp mode: Low	10000 H			
Filter cleaning / replacement cycle (Max.)*1		7000 H			
Screen size		57" to 103" (1.45 m to 2.62 m) (measured diagonally)		60" to 110" (1.52 m to 2.79 m) (measured diagonally)	
Light output	Lamp mode: High	2600 lm	3000 lm	2800 lm	3300 lm
	Lamp mode: Standard	2100 lm	2100 lm	2000 lm	2400 lm
	Lamp mode: Low	1700 lm	1700 lm	1600 lm	1900 lm
Colour light output	Lamp mode: High	2600 lm	3000 lm	2800 lm	3300 lm
	Lamp mode: Standard	2100 lm	2100 lm	2000 lm	2400 lm
	Lamp mode: Low	1700 lm	1700 lm	1600 lm	1900 lm
Contrast ratio (full white / full black)*2		2000:1		3000:1	
Speaker		16 W x 1 (monaural)			
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		15 kHz to 92 kHz	
	Vertical	47 Hz to 93 Hz		48 Hz to 92 Hz	
Display resolution		Maximum display resolution: UXGA 1600 x 1200 dots*3			
Colour system		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, The following items are available for digital signal (HDMI input) only: 1080/60p, 1080/50p			
Keystone correction (Max.) - Vertical		+/- 7.5 degrees			
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)			
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support			
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)			
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)			
	OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female), Audio output connector*5: Stereo mini jack (variable out)			
	REMOTE	RS-232C connector: D-sub 9-pin (female)	RS-232C connector: D-sub 9-pin (male)		
	LAN	RJ-45, 10BASE-T/100BASE-TX			
USB	Type-A, Type-B				
MICROPHONE IN	Microphone input: Mini Jack				
Acoustic noise		Lamp mode: Low: 30 dB			
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)			
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)			
Power requirements		AC 100 V to 240 V, 3.2 A to 1.3 A, 50 Hz / 60 Hz			
Power consumption	AC 100 V to 120 V	Lamp mode: High: 291 W	Lamp mode: High: 315 W	Lamp mode: High: 305 W	Lamp mode: High: 308 W
	AC 220 V to 240 V	Lamp mode: High: 281 W	Lamp mode: High: 302 W	Lamp mode: High: 294 W	Lamp mode: High: 297 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")			
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")			
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	5.0 W (LAN), 5.6 W (optional WLAN module), 5.8 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")			
	AC 220 V to 240 V	5.3 W (LAN), 5.9 W (optional WLAN module), 6.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")			
Standby Mode / Networked Standby Mode Activated		After about 10 Minutes			
Wireless Network(s) On/Off Switch		1) Press the MENU button, then select [Connection/Power], 2) [WLAN Settings], 3) [WLAN Connection], 4) Select On or Off			
Heat dissipation	AC 100 V to 120 V	993 BTU/h	1075 BTU/h	1041 BTU	1051 BTU
	AC 220 V to 240 V	959 BTU/h	1031 BTU/h	1004 BTU	1014 BTU
Dimensions (W x H x D) (without protrusions)		Approx. 365 x 138.7 x 310 mm (14 3/8 x 5 15/32 x 12 7/32 inches)			
Mass		Approx. 4.4 kg (9 lb)			
Supplied accessories		Remote commander (RM-PJB)			
Optional Accessories		Replacement lamp (LMP-E212), Wireless LAN Module (IFU-WLM3)			

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The value is average. | *3 Available for VESA Reduced Blanking signal. | *4 From INPUT A and INPUT B. | *5 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit pro.sony.eu/short-throw



Ultra Short Throw Series

3 ultra short throw projectors that create shadowless presentations. Dual Pen Interactivity and PC-less functionality available.* Energy efficient, wireless-ready with Eco-friendly capabilities.

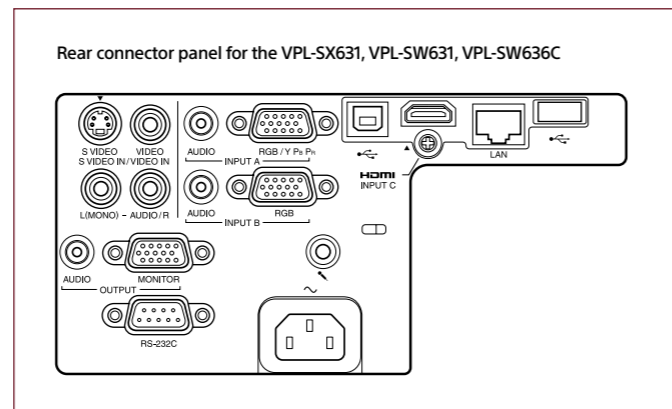


Ultra Short throw distance

- Produces a 2.03m (80-inch) diagonal screen size image from only 43cm (17.1-inch) or 46cm (18.2-inch) away from the screen.

Easy to adjust to any whiteboard

- Adjustable optical zoom and lens shift for speedy, fuss-free installation in any classroom. Generous connections simplify hook-ups with PCs, DVD players, microphones and other AV devices.



*VPL-SW636C only



S-Series Optional Accessories

LMP-E220
Replacement projector lamp



IFU-WLM3
USB wireless module



Oi/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app



IFU-PN250A
Interactive Pen replacement for VPL-SW636C model only



IFU-PN250B
Interactive Pen replacement for VPL-SW636C model only



	VPL-SX631	VPL-SW631	VPL-SW636C
Light output / color light output	3,300 lumens (High mode)		
Display device	Size of effective display area	0.63" (16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3	0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio 16:10
	Number of pixels	3,072,000 (1280x800 x 3) pixels	
Contrast ratio (full white / full black) ¹⁾	3,000:1		
Light source	UHP mercury Lamp 225 W type		
Recommended lamp replacement time ²⁾	4,000 H (Hi) / 6,000 H (Std) / 10,000 H (Low)		
Filter cleaning cycle ²⁾	Same time as the lamp replacement is recommended		
Projection lens - Zoom	Optional: Manual (Approx. x1.03)		
Projection lens - Focus	Manual		
Projection lens - Lens shift	Manual, Vertical: +/- 3.1% Horizontal: +/- 2.3%	Manual, Vertical: +/- 3.7% Horizontal: +/- 2.3%	
Projection lens - Throw ratio	0.27:1 (0.267 - 0.274:1)		
Keystone correction	Max. Vertical: +/- 5 degrees		Max. Vertical: +/- 1 degrees
Acoustic noise	High 35dB / Standard 32dB / Low 28dB		
OSD language	27-languages (English, French, German, Italian Spanish, Portuguese, Japanese, Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian, Greek, Czech, Slovakia, Romanian)		
Computer and video input / output			
INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female / Audio input connector: Stereo mini jack		
INPUT B	RGB input connector: Mini D-sub 15 pin female / Audio input connector: Stereo mini jack		
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support		
VIDEO IN	Video input connector: Phono jack		
S VIDEO IN	S Video input connector: Mini DIN 4-pin		
Monitor OUT	Monitor output connector: Mini D-sub 15-pin		
Audio OUT	Stereo mini		
Built in Interactive capability	-	-	Yes
Dual Pen	-	-	Yes
Auto Calibration	-	-	Yes
PC Free Interactive	-	-	Yes
Driver less	-	-	Yes
Display resolution	Maximum display resolution: UXGA 1600 x 1200 dots* ³⁾		
Computer signal input	480/60i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Video signal input			
Control signal input / output, Others			
RS-232C	D-sub 9-pin male		
LAN	RJ-45 10BASE-T / 100BASE-TX		
USB	Type-A, Type-B		
Microphone input	Mini jack		
Speaker	Speaker 16 W (monaural)		
Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)		
Storage temperature (Storage humidity)	-10°C to +60°C / -4°F to +140°F (20% to 80%; no condensation)		
Power requirements	AC 100V to 240V, 3.3 A to 1.5 A, 50 Hz / 60 Hz		AC 100V to 240V, 3.5 A to 1.6 A, 50 Hz / 60 Hz
Power consumption (Hi / Std / Low) AC 100 V - 120 V	305 W / 261 W / 232 W	330 W / 261 W / 231 W	341 W / 274 W / 266 W
Power consumption (Hi / Std / Low) AC 220 V - 240 V	294 W / 252 W / 225 W	320 W / 252 W / 224 W	328 W / 245 W / 239 W
Power Consumption (Standby Mode)	0.5W (standby in Low)		
Network Standby (LAN/WLAN) mode power consumption (Std / Low) AC 100 V - 120 V	5.6 W / 5.9 W		
Network Standby (LAN/WLAN) mode power consumption (Std / Low) AC 220 V - 240 V	5.6 W / 6.2 W		
Heat dissipation AC 100 V to 120 V	1041 BTU	1126 BTU	1163 BTU
Heat dissipation AC 220 V to 240 V	1003 BTU	1092 BTU	1119 BTU
Outside dimensions (W x H x D)	Approx: 372 x 138 x 382mm (14 21/32 x 5 7/16 x 15 1/32 inches) (without protrusions)		
Mass	6.0kg (13 lb)		6.3kg (14 lb)
Supplied accessories	PSS-645 Wall Mount, RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Application Software (CD-ROM) (1), Warranty card (1), Safety Regulations/QRM (1), Security Label (1)		
Wireless module (WLAN)	IFU-WLM3 (optional)		
Interactive Pens	-	-	IFU-PN250A (1), IFU-PN250B (1)
Replacement lamp	LMP-E220		

¹⁾ This value is average.

²⁾ The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

³⁾ The figures are approximate. They vary depending on the environment or how the projector is.

For full product specifications and features please visit pro.sony.eu/ultra-short-throw



C-Series

3 energy-efficient Installation models that offer best in class TCO. High image quality and high brightness in a stylish design that blend into any decor.



Higher resolution lens

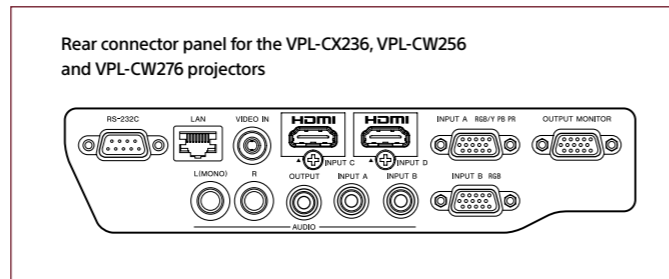
- The high resolution Advanced Crisp Focus (ACF) lens offers a large diameter and fine pitch to ensure clear, sharp pictures.

Advanced Geometric Correction

- Perfect fit every time. Each image corner and side can be adjusted to any screen - invaluable when projecting from an offset position.

Auto Input Search

- Automatically switches to the correct input, simplifying set-up and saving time.



C-Series Optional Accessories

- LMP-C240** Replacement projector lamp (CX236/CW256)
- LMP-C280** Replacement projector lamp (CW276)
- PAM-210** Ceiling mount
- PAM-0.5M** Extension pole & ceiling plate
- PAM-1.0M** Extension pole & ceiling plate
- PAM-1.5M** Extension pole & ceiling plate



	VPL-CX236	VPL-CW256	VPL-CW276	
Display system	3 LCD system			
Display device	Size of effective display area	0.63" (16 mm) x 3, BrightEra, Aspect ratio: 4:3	0.75" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10	
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels	3,072,000 (1280 x 800 x 3) pixels	
Projection lens	Focus	Manual		
	Zoom - Powered/Manual	Manual		
	Zoom - Ratio	Approx. x1.45		
	Throw Ratio	1.66:1 to 2.41:1	1.32:1 to 1.91:1	
Lens shift	Powered/Manual	Manual		
	Range Vertical	+/- 5%		
	Range Horizontal	+/- 4%		
Light source	Ultra high pressure mercury lamp, 245 W type		Ultra high pressure mercury lamp, 280 W type	
Recommended lamp replacement time*1	Lamp mode: High	3000 H		
	Lamp mode: Standard	4000 H		
	Lamp mode: Low	5000 H	-	
Filter cleaning / replacement cycle (Max.)*1	Same time as the lamp replacement is recommended			
Screen size	40" to 300" (1.02 m to 7.62 m) (measured diagonally)			
Light output	Lamp mode: High	4100 lm	4500 lm	5200 lm
	Lamp mode: Standard	3100 lm	3400 lm	4200 lm
	Lamp mode: Low	2200 lm	2500 lm	-
Colour light output	Lamp mode: High	4100 lm	4500 lm	5200 lm
	Lamp mode: Standard	3100 lm	3400 lm	4200 lm
	Lamp mode: Low	2200 lm	2500 lm	-
Contrast ratio (full white / full black)*2	3100:1	3700:1	3100:1	
Speaker	10 W x 1 (monaural)			
Displayable scanning frequency	Horizontal	19 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*3		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i		
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60			
Keystone correction (Max.)	Vertical	+/- 30°		
	Horizontal	+/- 20°		
OSD language	24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek)			
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack		
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack		
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support		
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support		
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2)		
	OUTPUT	Monitor output connector*4: Mini D-sub 15-pin (female), Audio output connector*5: Stereo mini jack (variable out)		
	REMOTE	RD-sub 9pin (male)/RS232C		
LAN	RJ-45, 10BASE-T/100BASE-TX			
Acoustic noise	Lamp mode: Standard: 29 dB		Lamp mode: Standard: 34 dB	
Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)			
Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)			
Power requirements	AC 100 V to 240 V 3.5 A to 1.5 A, 50/60 Hz		AC 100 V to 240 V 4.0 A to 1.7 A, 50/60 Hz	
Power consumption	AC 100 V to 120 V	Lamp mode: High : 350 W	Lamp mode: High : 346 W	Lamp mode: High : 395 W
	AC 220 V to 240 V	Lamp mode: High : 330 W	Lamp mode: High : 326 W	Lamp mode: High : 372 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")		
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	3.0 W (LAN) (when "Standby Mode" is set to "Standard")		
	AC 220 V to 240 V	3.0 W (LAN) (when "Standby Mode" is set to "Standard")		
Standby Mode / Networked Standby Mode Activated	After about 10 Minutes			
Heat dissipation	AC 100 V to 120 V	1194 BTU/h	1180 BTU/h	1348 BTU/h
	AC 220 V to 240 V	1126 BTU/h	1112 BTU/h	1269 BTU/h
Dimensions (W x H x D) (without protrusions)	Approx. 406 x 113 x 330.5 mm (15 31/32 x 4 7/16 x 13 inches)			
Mass	Approx. 5.6 kg (12 lb)		Approx. 5.7 kg (13 lb)	
Supplied accessories	Remote commander (RM-PJ8)			
Optional Accessories	Replacement lamp (LMP-C240)		Replacement lamp (LMP-C280)	

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The value is average. | *3 Available for VESA Reduced Blanking signal. | *4 From INPUT A and INPUT B. | *5 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit pro.sony.eu/installation



CH-Series

4 Installation models that raise the bar with higher resolution images and the same energy efficiency, TCO, image quality, brightness and stylish design that comes with our other C-Series range.



HDBaseT

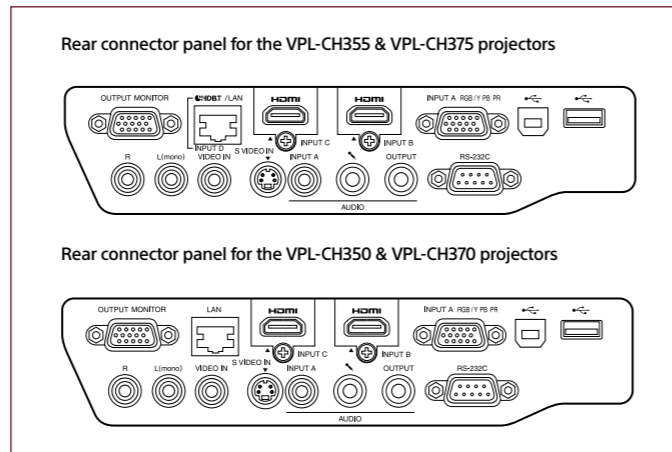
- Allows simple connectivity using an HDBaseT digital interface, multi signal transmission system, providing a single cable, cost-effective, long-distance, and high-quality digital transmission solution*.

Audio / Speaker bypass

- When set to "Always On," the speaker / microphone is available via Audio Input A.

WUXGA resolution installation projectors

- 4000 – 5000 lumens brightness



		VPL-CH350	VPL-CH355	VPL-CH370	VPL-CH375
Display system		3 LCD system			
Display device	Size of effective display area	0.64" (16.3 mm) x 3, Aspect ratio: 16:10			
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels			
	Aspect ratio	16: 10			
Projection lens	Zoom	Manual (Ratio: Approx. x 1.45)			
	Focus	Manual			
	Lens Shift	Manual (Vertical: +/- 5%, Horizontal: +/- 4%)			
	Throw Ratio	1.5:1 to 2.2:1			
Light source		Ultra high pressure mercury lamp 250 W type		Ultra high pressure mercury lamp 280 W type	
Recommended lamp replacement time		3000 H / 4000 H / 5000 H (Lamp mode: High / Standard / Low) Synchronized filter with lamp replacement		2500 H / 3000 H / 3500 H (Lamp mode: High / Standard / Low) Synchronized filter with lamp replacement	
Screen size		40" to 300" (1.02 m to 7.62 m) (measured diagonally)			
Light output (Mode: High / Standard / Low)		4000 lm / 3200 lm / 2600 lm		5000 lm / 3600 lm / 3100 lm	
Color light output (Mode: High / Standard / Low)		4000 lm / 3200 lm / 2600 lm		5000 lm / 3600 lm / 3100 lm	
Contrast ratio (full white / full black)		2500: 1			
Acoustic noise (Lamp mode: High / Standard / Low)		36dB / 33dB / 29dB		38dB / 35dB / 29dB	
Displayable scanning frequency	Horizontal	19 kHz - 92 kHz			
	Vertical	48 Hz - 92 Hz			
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots *1 / Panel display resolution: 1920 x 1200 dots			
	Video signal input	480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p			
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction		Vertical: Max. +/- 30 degrees, Horizontal: Max. +/- 20 degrees			
OSD language		24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek)			
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / YPbPr input connector: Mini D-sub 15 pin female, Audio input connector: Stereo mini jack			
	INPUT B / INPUT C	HDMI input connector: HDMI 19-pin, HDCP support			
	S VIDEO IN	S-video input connector: Mini DIN 4-pin			
	VIDEO IN	Video input connector: Phono jack			
	OUTPUT	Monitor output connector*2: Mini D-sub 15-pin (female), Audio output connector*2: Stereo mini jack			
	REMOTE	D-sub 9-pin (male)			
	LAN	RJ45, 100BASE-TX	RJ45, 100BASE-TX (Shared with HDBaseT)	RJ45, 100BASE-TX	RJ45, 100BASE-TX (Shared with HDBaseT)
	HDBaseT	-	RJ45, 4 Play	-	RJ45, 4 Play
	USB	Type-A, Type-B			
	MICROPHONE IN	Mini jack			
Speaker		12W x 1 (monaural)			
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)			
Storage temperature (Storage humidity)		-10°C to +60°C / -14°F to +140°F (20% to 80%; no condensation)			
Power requirements		AC 100 V to 240 V, 3.6 A to 1.6 A, 50/60 Hz		AC 100 V to 240 V, 3.9 A to 1.7 A, 50/60 Hz	
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	353W / 285W / 265W		388W / 315W / 279W	
	AC 220 V to 240 V	334W / 272W / 254W		367W / 299W / 266W	
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	4.7W / 0.5W	6.1W / 0.5W	4.7 / 0.3W	6.1W / 0.3W
	AC 220 V to 240 V	4.9W / 0.5W	6.2W / 0.5W	4.9 / 0.5W	6.2W / 0.5W
Heat dissipation	AC 100 V to 120 V	1204 BTU		1323 BTU	
	AC 220 V to 240 V	1139 BTU		1252 BTU	
Outside dimensions (W x H x D)		Approx. 406 x 113 x D 330.5 mm (15 31/32 x 4 7/16 x 13 in) (without protrusions)			
Mass		Approx. 5.7 kg / 12 lb			
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Lens cap (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1), Presentation Station for Network Presentation application (CDROM) (1)			

* VPL-CH355 and VPL-CH375 only



CH-Series Optional Accessories

- LMP-C250** Replacement projector lamp (CH350/CH355)
- LMP-C281** Replacement projector lamp (CH370/CH375)
- IFU-WLM3** USB wireless module
- PAM-210** Ceiling mount
- PAM-0.5M** Extension pole & ceiling plate
- PAM-1.0M** Extension pole & ceiling plate
- PAM-1.5M** Extension pole & ceiling plate
- Oi/Android APP** Connect your devices to projectors via a WiFi network with the VueMagic™ app



*1 Available for VESA Reduced Blanking signal. | *2 From INPUT A.

For full product specifications and features please visit pro.sony.eu/installation



FX-Series

XGA resolution replacement models for upgrading your AV projection. For venues requiring brighter projections, the FX-Series delivers powerful performance, optional lenses, multi input / output, longer life and low maintenance.



Model: VPL-FX30/35

Quad Filter System

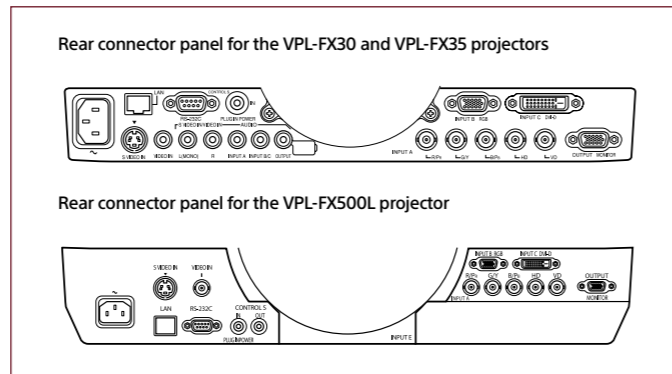
- To extend the cleaning cycle and efficiently trap dust.

One-way airflow intake

- The one-way intake hole keeps all the internal parts clean.

Award winning Blend-in Design

- Combining the best of style and functionality, the FX-Series design is clean and understated, and gives the impression that the projector is blended into the ceiling. The connector panel is placed on the lower front face to hide the connectors and cables from the audience's sight.



		VPL-FX30	VPL-FX35	VPL-FX500L
Display system		3 LCD system		
Display device	Size of effective display area	0.79 inches (20.1 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3		0.99" (25.0 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels		
Projection lens*1	Focus	Manual		Powered / Manual (Depending on lens)
	Zoom - Powered / Manual	Manual		Powered / Manual (Depending on lens)
	Zoom - Ratio	Approx. x 1.6		
	Throw Ratio	1.42:1 to 2.27:1		
Lens shift	Powered/Manual	Manual		Powered / Manual (Depending on lens)
	Range Vertical	+ 51%		-
	Range Horizontal	+/- 33%		-
Light source	Type/Wattage	Ultra high pressure mercury lamp / 230 W type	Ultra high pressure mercury lamp / 275 W type	Ultra high pressure mercury lamp / 330 W type
	System	-		Twin lamp system
Recommended lamp replacement time*1	Lamp mode: High	4000 H	3000 H	6000 H (With twin lamp sequence use)
	Lamp mode: Standard	5000 H	4000 H	8000 H (With twin lamp sequence use)
Filter cleaning / replacement cycle (Max.)*2		15000 H (Cleaning) Same as the lamp replacement is recommended		
Screen size*1		40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Lamp mode: High	4200 lm	5000 lm	7000 lm
	Lamp mode: Standard	3000 lm	4000 lm	5600 lm
Colour light output	Lamp mode: High	4200 lm	5000 lm	7000 lm
	Lamp mode: Standard	3000 lm	4000 lm	5600 lm
Contrast ratio (full white / full black)*3		2000:1		2500:1
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		
	Vertical	47 Hz to 93 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots *4		Maximum display resolution: UXGA 1600 x 1200 dots*4
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		
OSD language		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi)		
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / YPbPr input connector: 5BNC (female), Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack (shared with INPUT C)		RGB input connector: Mini D-sub 15-pin (female)
	INPUT C	DVI-D input connector: DVI-D 24-pin (Single link), HDCP support, Audio input connector: Stereo mini jack (shared with INPUT B)		DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)		S-video input connector: Mini DIN 4-pin
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)		Video input connector: BNC
	OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)		Monitor output connector*5: Mini D-sub 15-pin (female)
	REMOTE	RS-232C connector: D-sub 9-pin (female)		
	LAN	RJ-45, 10BASE-T/100BASE-TX		
	IR (Control S)	Control S input connector: Stereo mini jack		Control S input connector: Stereo mini jack, Plug in power DC 5V, Control S output connector: Stereo mini jack
	Acoustic noise	Lamp mode: Standard	29 dB	31 dB
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)		
Storage temperature / Storage humidity		-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)		
Power requirements		AC 100 V to 240 V, 3.3 A to 1.3 A, 50/60 Hz	AC 100 V to 240 V, 3.8 A to 1.6 A, 50/60 Hz	AC 100 V to 240 V, 4.8 A to 2.0 A, 50 Hz / 60 Hz
Power consumption	AC 100 V to 120 V	Lamp mode: High : 330 W	Lamp mode: High : 380 W	Lamp mode: High: 480 W
	AC 220 V to 240 V	Lamp mode: High : 310 W	Lamp mode: High : 360 W	Lamp mode: High: 460 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.2 W (when "Standby mode" is set to "Low")		0.1 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V	0.3 W (when "Standby mode" is set to "Low")		0.2 W (when "Standby mode" is set to "Low")
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	11.0 W (LAN) (when "Standby Mode" is set to "Standard")		13.0 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	12.0 W (LAN) (when "Standby Mode" is set to "Standard")		
Standby Mode / Networked Standby Mode Activated		After about 10 Minutes		
Heat dissipation	AC 100 V to 120 V	1126 BTU/h	1297 BTU/h	1638 BTU/h
	AC 220 V to 240 V	1058 BTU/h	1228 BTU/h	1569 BTU/h
Dimensions (W x H x D) (without protrusions)		Approx. 390 x 134 x 463 mm (15 11/32 x 5 9/32 x 18 7/32 inches)		Approx. 530 x 204 x 545 mm (20 7/8 x 8 1/32 x 21 15/32 inches)
Mass		Approx. 7.9 kg (17 lb)	Approx. 8.0 kg (17 lb)	Approx. 20 kg (44 lb)
Supplied accessories		Remote commander (RM-PJ19)		

*1 With supplied standard lens. | *2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *3 The value is average. | *4 Available for VESA Reduced Blanking signal. | *5 From INPUT A and INPUT B. | *6 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit pro.sony.eu/installation

F-Series Lamp projectors

WUXGA and WXGA resolution for the most demanding venues that require the highest resolutions, brightest projections and highly sophisticated features. The F-Series delivers powerful performance, optional lenses, longer life and low maintenance.



Model: VPL-FH60/65

Edge-Blend and Warp capabilities

- Built-in GUI and PC software for multi projector image blending with warping.

Reality creation

- Clarity in every pixel. Sony's process technology and proprietary algorithm creates pixel mapping that is as close to the original you can get. (VPL-FW60/65 and VPL-FH60/56 projectors)

DICOM capabilities

- Display X-ray and MRI images that conform to GSDF (Grayscale Standard Display Function).

Side by Side content

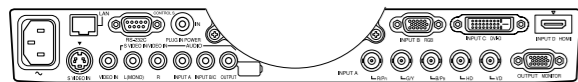
- Displays two different images / content from two different input sources.

Twin Lamp System

- Two lamps, redundancy for a fail safe system. The VPL-FH500L will never be down due to lamp failure.



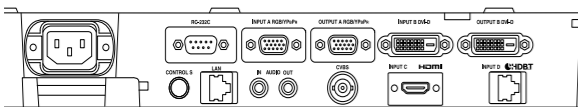
Rear connector panel for the VPL-FH31 projector



Rear connector panel for the VPL-FH500L projector



Rear connector panel for VPL-FH60/65 and VPL-FW60/65 projectors





		VPL-FW60	VPL-FW65	VPL-FH31
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.76" (19.3 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels		6,912,000 (1920 x 1200 x 3) pixels
Projection lens*1	Focus	Powered		Manual
	Zoom - Powered/Manual	Powered (Approx. 1.6 x)		Manual
	Zoom - Ratio	-		Approx. x 1.6
	Throw Ratio	1.39:1 to 2.23:1		1.39:1 to 2.23:1
Lens shift	Powered/Manual	Powered		Manual
	Range Vertical Range Horizontal	-5.0%, +60%		+60%
Light source	Type/Wattage	Ultra high pressure mercury lamp		Ultra high pressure mercury lamp / 330 W type
	System	280 W type	370 W type	330 W type
Recommended lamp replacement time*2	Lamp mode: High	3000 H		3000 H
	Lamp mode: Standard	4000 H		4000 H
Filter cleaning / replacement cycle (Max.)*2		20000 H (service maintenance)		15000 H (Cleaning) Same as the lamp replacement is recommended
Screen size*1		40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Lamp mode: High	5200 lm	6300 lm	4300 lm
	Lamp mode: Standard	3400 lm	4780 lm	3400 lm
Colour light output	Lamp mode: High	5200 lm	6300 lm	4300 lm
	Lamp mode: Standard	3400 lm	4780 lm	3400 lm
Contrast ratio (full white / full black)*3		2000:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		14 kHz to 93 kHz
	Vertical	48 Hz to 92 Hz		47 Hz to 93 Hz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots **		Maximum display resolution: 1920 x 1200 dots **
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		-
	Horizontal	+/- 30 degrees		-
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)	23-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Indonesian, Hungarian, Greek)	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Indonesian, Hungarian, Greek)
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack	RGB / Y PB PR input connector: 5BNC (female) Audio input connector: Stereo mini jack	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with INPUT A	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack (shared with INPUT C)	DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with INPUT A
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support	DVI-D input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Stereo mini jack (shared with INPUT B)	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI Audio Support
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)	HDMI input connector: HDMI 19-pin, HDCP support	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)
	S VIDEO IN	-	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)	S-video input connector: Mini DIN 4-pin
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with INPUT A	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)	Video input connector: BNC
	OUTPUT A	Monitor output for INPUT A connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*5: Stereo mini jack (variable out)	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector: Stereo mini jack
	OUTPUT B	Monitor output for INPUT B connector: DVI-D 24-pin (single link), HDCP not supported Audio output Monitor out connector: Stereo mini jack	-	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector: Stereo mini jack
	REMOTE LAN	D-sub 9-pin (male) / RS232C RJ45, 10BASE-T/100BASE-TX	RS-232C connector: D-sub 9-pin (female) RJ-45, 10BASE-T/100BASE-TX	RS-232C connector: D-sub 9-pin (female) RJ-45, 10BASE-T/100BASE-TX
	IR (Control S)	Stereo mini jack, Plug in power DC5V	Control S input connector: Stereo mini jack	Control S input connector: Stereo mini jack
Acoustic noise (Lamp mode: Standard)		28 dB		
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 10% to 90% (no condensation)		
Power requirements		AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.0 A to 1.6 A, 50/60 Hz
Power consumption (Lamp mode: High)	AC 100 V to 120 V	Lamp mode: High: 416 W	Lamp mode: High: 470 W	Lamp mode: High: 400 W
	AC 220 V to 240 V	Lamp mode: High: 404 W	Lamp mode: High: 455 W	Lamp mode: High: 380 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")	0.2 W (when "Standby mode" is set to "Low")	0.2 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")	0.3 W (when "Standby mode" is set to "Low")	0.3 W (when "Standby mode" is set to "Low")
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	9.2 W (LAN) (when "Standby Mode" is set to "Standard")	9.2 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	10.4 W (LAN) (when "Standby Mode" is set to "Standard")	10.4 W (LAN) (when "Standby Mode" is set to "Standard")
Standby Mode / Networked Standby Mode Activated		Approx. 10 Minutes		
Heat dissipation	AC 100 V to 120 V	1419 BTU/h	1604 BTU/h	1365 BTU/h
	AC 220 V to 240 V	1378 BTU/h	1552 BTU/h	1297 BTU/h
Dimensions (W x H x D) (without protrusions)		460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches	460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches	Approx. 390 x 134 x 463 mm (15 11/32 x 5 9/32 x 18 7/32 inches)
Mass		Approx. 13 kg (28 lb)		
Supplied accessories		RM-PJ27		
Optional accessories		VPLL-3003 / 3007 / Z3009 / Z3024 / Z3032		

		VPL-FH60	VPL-FH65	VPL-FH500L
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.95" (24.1 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels		6,912,000 (1920 x 1200 x 3) pixels
Projection lens*1	Focus	Powered		Powered / Manual (Depending on lens)
	Zoom - Powered/Manual	Powered		Powered / Manual (Depending on lens)
	Zoom - Ratio	Powered (Approx. 1.6 x)		-
	Throw Ratio	1.39:1 to 2.23:1		-
Lens shift	Powered/Manual	Powered		Powered / Manual (Depending on lens)
	Range Vertical Range Horizontal	-5%, +60%		-
Light source	Type/Wattage	High pressure mercury lamp / 280 W type	High pressure mercury lamp / 370 W type	Ultra high pressure mercury lamp / 330 W type
	System	-	-	Twin lamp system
Recommended lamp replacement time*2	Lamp mode: High	3000 H		6000 H (With twin lamp sequence use)
	Lamp mode: Standard	4000 H		8000 H (With twin lamp sequence use)
Filter cleaning / replacement cycle (Max.)*2		20,000 H (service maintenance)		Same as the lamp replacement
Screen size*1		40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Lamp mode: High	5000 lm	6000 lm	7000 lm
	Lamp mode: Standard	3200 lm	4400 lm	5600 lm
Colour light output	Lamp mode: High	5000 lm	6000 lm	7000 lm
	Lamp mode: Standard	3200 lm	4400 lm	5600 lm
Contrast ratio (full white / full black)*3		2000:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		14 kHz to 93 kHz
	Vertical	48 Hz to 92 kHz		47 Hz to 93 Hz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots **		Maximum display resolution: UXGA 1600 x 1200 dots**
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal only; 1080/60p, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 1080/30p**
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		+/- 5 degrees
	Horizontal	+/- 30 degrees		-
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack	RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with Input A	DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with Input A	RGB input connector: Mini D-sub 15-pin (female)
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI Audio Support	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI Audio Support	DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)	HDMI input connector: HDMI 19-pin, HDCP support
	S VIDEO IN	Video input connector: BNC, Audio input connector: Shared with input A	Video input connector: BNC, Audio input connector: Shared with input A	S-video input connector: Mini DIN 4-pin
	VIDEO IN	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack	Video input connector: BNC
	OUTPUT	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output connector: Stereo mini jack	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output connector: Stereo mini jack	Monitor output connector*5: Mini D-sub 15-pin (female)
	REMOTE LAN	D-sub 9-pin (male) / RS232C RJ45, 10BASE-T/100BASE-TX	D-sub 9-pin (male) / RS232C RJ45, 10BASE-T/100BASE-TX	RS-232C connector: D-sub 9-pin (female)
	IR (Control S)	Control S input connector: Stereo mini jack Plug in power DC 5V,	Control S input connector: Stereo mini jack Plug in power DC 5V,	Control S input connector: Stereo mini jack, Plug in power DC 5V, Control S output connector: Stereo mini jack
	Acoustic noise (Lamp mode: Standard)		28 dB	
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)		
Power requirements		AC 100 V to 240 V, 4.3A to 1.8A, 50 Hz / 60 Hz	AC 100 V to 240 V, 5.0A to 2.1A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.8 A to 2.0 A, 50 Hz/60 Hz
Power consumption (Lamp mode: High)	AC 100 V to 120 V	Lamp mode: High/Standard: 429 / 268 W	Lamp mode: High/Standard: 498 / 346 W	Lamp mode: High: 490 W
	AC 220 V to 240 V	Lamp mode: High/Standard: 416 / 261 W	Lamp mode: High/Standard: 483 / 337 W	Lamp mode: High: 460 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")		0.1 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")		0.2 W (when "Standby mode" is set to "Low")
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (LAN) / 15.0 W (HDBaseT) / 15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	11.0 W (LAN) (when "Standby Mode" is set to "Standard")	11.0 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	13.3 W (LAN) / 13.3 W (HDBaseT) / 13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")	10.0 W (LAN) (when "Standby Mode" is set to "Standard")	10.0 W (LAN) (when "Standby Mode" is set to "Standard")
Heat dissipation	AC 100 V to 120 V	1464 BTU/h	1699 BTU/h	1672 BTU/h
	AC 220 V to 240 V	1419 BTU/h	1648 BTU/h	1569 BTU/h
Dimensions (W x H x D) (without protrusions)		Approx. 460 x 169 x 515 mm (18 1/8 x 6 21/32 x 20 9/32 inches)		Approx. 530 x 204 x 545 mm (20 7/8 x 8 1/32 x 21 15/32 inches)
Mass		Approx. 13 kg (28 lb)		
Supplied accessories		RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal (1)RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal, Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal Cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1)		

*1 With supplied standard lens. | *2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *3 The value is average. | *4 Available for VESA Reduced Blanking signal. | *5 From INPUT A and INPUT B. | *6 Works as an audio switcher function. Output from a selected channel; not available in standby. | *7 Available via BKM-FW16.

For full product specifications and features please visit pro.sony.eu/installation

F-Series Laser projectors

Sony's flagship Laser projectors for larger and more demanding venues requiring the best in technology, resolution and highly sophisticated features. Delivers powerful performance, optional lenses, up to 20,000 hours of life and attractive TCO.



Model: VPL-FHZ57/60/65/FWZ60/65

Laser light projectors with Sony 3LCD BrightEra™ Panel Technology

- In a world first, Sony has combined 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, plus high efficiency and significantly greater durability for reduced lifetime ownership costs.

Reality Creation

- Clarity in every pixel. Sony's process technology and proprietary algorithm creates pixel mapping that is as close to the original as you can get. (VPL-FHZ57, FHZ60, FHZ65 and VPL-FWZ60 FWZ65)

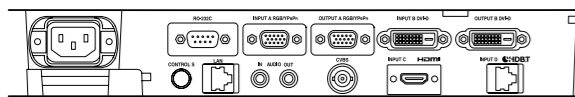
Contrast Enhancer

- Analyses every image to make dark scenes darker and light scenes brighter to create even better contrast. (VPL-FHZ57, FHZ60, FHZ65 and VPL-FWZ60 FWZ65)

Rear connector panel for the VPL-FHZ700L projector



Rear connector panel for the VPL-FHZ57, VPL-FHZ60, VPL-FHZ65, VPL-FWZ60 & VPL-FWZ65 projectors





		VPL-FWZ60	VPL-FWZ65	VPL-FHZ57
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels	6,912,000 (1920 x 1200 x 3) pixels	
Projection lens*1	Focus	Powered		
	Zoom - Powered/Manual	Powered		
	Zoom - Ratio	Approx. x 1.6		
	Throw ratio	1.39:1 to 2.23:1		
	Lens shift - Powered/Manual	Powered		
	Lens shift - Range Vertical	-5%, +60%	-5% / +60% *5	
	Lens shift - Range Horizontal	+/- 32%	+/- 32% *5	
Light source	Type	Laser diode		
Filter cleaning / replacement cycle (Max.)*2	Filter cleaning / replacement cycle (Max.)	20000 H (service maintenance)		20000 H (cleaning)
Screen size	Screen size (measured diagonally)	40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Mode: High	5000 lm	6000 lm	4100 lm
	Mode: Standard	3500 lm	4000 lm	3000 lm
Color light output	Mode: High	5000 lm	6000 lm	4100 lm
	Mode: Standard	3500 lm	4000 lm	3000 lm
Contrast ratio (full white / full black)*3		10000:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots *4	Maximum display resolution: 1280 x 800 dots *4	Maximum display resolution: 1920 x 1200 dots *4
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p, 1080/24p		
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		
	Horizontal	+/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack		
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with input A		
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support		
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		
	INPUT E	-		
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with input A		
	OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack		
	OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack		
	REMOTE	D-sub 9-pin (male) / RS232C		
	LAN	RJ45, 10BASE-T/100BASE-TX		
IR (Control S)	Stereo mini jack, Plug in power DCSV			
Acoustic noise	Lamp mode: Standard	28 dB	32 dB	
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)	-20°C to +60°C / -4°F to +140°F / 20% to 80% (no condensation)	
Power requirements		AC 100 V to 240 V, 5.5 A to 2.3 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 50 Hz / 60 Hz
Power consumption	AC 100 V to 120 V	Mode: High: 383 W	Mode: High: 464 W	Lamp mode: High: 370 W
	AC 220 V to 240 V	Mode: High: 372 W	Mode: High: 453 W	Lamp mode: High: 355 W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")		
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		
	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		
Standby Mode / Networked Standby Mode Activated		Approx. 10 Minutes		
Heat dissipation	AC 100 V to 120 V	1307 BTU/h	1583 BTU/h	1262 BTU/h
	AC 220 V to 240 V	1269 BTU/h	1546 BTU/h	1211 BTU/h
Dimensions (W x H x D) (without protrusions)		Approx. 460 x 169 x 515 mm, 18 1/8 x 6 21/32 x 20 9/32 inches		
Mass		16 kg (34 lb)		
Supplied accessories	Remote commander	RM-PJ27		
Optional accessories		VPLL-3003 / 3007 / Z3009 / Z3024 / Z3032		PAM 310 PAM-0.5M / PAM-1.0M / PAM-1.5M

		VPL-FHZ60	VPL-FHZ65	VPL-FHZ700L
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.95" (24.1 mm) x 3 BrightEra LCD Panel, Aspect ratio 16:10
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels		6,912,000 (1920 x 1200 x 3) pixels
Projection lens	Focus	Powered		
	Zoom - Powered/Manual	Powered		
	Zoom - Ratio	Approx. x 1.6		
	Throw ratio	1.39:1 to 2.23:1		
	Lens shift - Powered/Manual	Powered		
	Lens shift - Range Vertical	-5% / +60% *5		Depends on optional lens
	Lens shift - Range Horizontal	+/- 32% *5		Depends on optional lens
Light source	Type	Laser diode		
Filter cleaning / replacement cycle (Max.)*2	Filter cleaning / replacement cycle (Max.)	20000 H (cleaning)		
Screen size	Screen size (measured diagonally)	40" to 600" (1.02 m to 15.24 m)		
Light output	Mode: High	5000 lm	6000 lm	7000 lm
	Mode: Standard	3500 lm	4000 lm	5600 lm
Color light output	Mode: High	5000 lm	6000 lm	7000 lm
	Mode: Standard	3500 lm	4000 lm	5600 lm
Contrast ratio (full white / full black)*3		10000:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots *4		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/50p, 1080/24p
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		
	Horizontal	+/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with input A		RGB input connector: Mini D-sub 15 pin female
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: Shared with input A		DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		HDMI input connector: HDMI 19-pin, HDCP support, Digital RGB / Y PB PR / Y CB CR
	INPUT E	-		Optional adaptor slot (For HDBaseT and 3G-SDI Adaptor BKM-PJ10 & BKM-PJ20)
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with input A		Video input connector: BNC
	OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack		Monitor output connector: Mini D-sub 15-pin (female)
	OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack		
	REMOTE	RS-232C connector: D-sub 9-pin (male)		RS-232C connector: D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX		RJ45, 10BASE-T/100BASE-TX
IR (Control S)	Stereo mini jack, Plug in power DCSV			
Acoustic noise	Mode: High	34 dB	39 dB	
	Mode: Low	28 dB	33 dB	
Operating temperature / Operating humidity		0°C to 40°C / 32°F to 104°F / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-20°C to +60°C / -4°F to +140°F / 20% to 80% (no condensation)		-20°C to +60°C / -4°F to +140°F / 10% to 90% (no condensation)
Power requirements		AC 100 V to 240 V, 4.5 A to 1.9 A, 50/60 Hz	AC 100 V to 240 V, 5.5 A to 2.3 A, 50/60 Hz	AC 100 V to 240 V, 5.0 A to 2.1 A, 50/60 Hz
Power consumption	AC 100 V to 120 V	Mode: High: 420 W	Mode: High: 509 W	497 W / 404 W
	AC 220 V to 240 V	Mode: High: 408 W	Mode: High: 492 W	476 W / 387 W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")		
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		12.2 W (LAN) 13.8 W (optional HDBaseT adaptor) 13.8 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		8.4 W (LAN) 10.0 W (optional HDBaseT adaptor) 10.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
Heat dissipation	AC 100 V to 120 V	1433 BTU/h	1737 BTU/h	1696 BTU/h
	AC 220 V to 240 V	1393 BTU/h	1679 BTU/h	1624 BTU/h
Dimensions (W x H x D) (without protrusions)		460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches		Approx. W 530 x H 204 x D 545 mm (W 20 7/8 x H 8 1/32 x D 21 15/32 in)
Mass		16 kg (34 lb)		
Supplied accessories	Remote commander	RM-PJ27		
Optional accessories		PAM 310 PAM-0.5M / PAM-1.0M / PAM-1.5M		N/A

*1 With supplied standard lens. | *2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *3 The value is average. | *4 Available for VESA Reduced Blanking signal. | *5 Standard lens.



F-Series Optional Accessories

- LMP-F272 (FH31/FX35) Replacement lamp
- LMP-F370 (VPL-FH65) Replacement lamp
- LMP-F280 (VPL-FH60) Replacement lamp
- LMP-F230 (FX30) Replacement lamp
- LMP-F330 (FX500L / FH500L) Replacement lamp



Ceiling mount and extension poles for VPL-FX30/35, VPL-FW60/65, VPL-FH31/60/65, VPL-FWZ60/65 and VPL-FHZ57/60/65



Backward compatibility table for optional lenses (discontinued & current)			
Optional Lens	Throw Ratio	Compatible with FHZ55, FH31, FX30, FX35	Compatible with FHZ57/60/65, FWZ60/65, FH60/65 and FW60/65
VPLL-Z1032*	3.18-4.84:1 (WUXGA), 3.24-4.95:1 (XGA)	Yes (+PK-F30LA1)	Yes (+PK-F60LA1)
VPLL-Z1024*	2.34-3.19:1 (WUXGA), 2.38-3.26:1 (XGA)	Yes (+PK-F30LA1)	Yes (+PK-F60LA2)
VPLL-Z2009	0.85-1.0:1 (WUXGA), 0.86-1.01:1 (XGA)	Yes	Yes (+PK-F60LA3)
VPLL-2007	0.65:1 (WUXGA), 0.66:1 (XGA)	Yes	Yes (+PK-F60LA4)
VPLL-Z3032	3.18-4.84:1 (WUXGA), 3.24-4.95:1 (XGA)	Yes (+PK-F30LA1)	Yes
VPLL-Z3024	2.34-3.19:1 (WUXGA), 2.38-3.26:1 (XGA)	Yes (+PK-F30LA1)	Yes
VPLL-Z3009	0.85-1.0:1 (WUXGA)	N/A	Yes
VPLL-3007	0.65:1 (WUXGA)	N/A	Yes
VPLL-3003	0.33:1 (WUXGA)	N/A	Yes

*Discontinued optional lenses

- PK-F60LA1 Lens Adaptor
- PK-F60LA2 Lens Adaptor
- PK-F60LA3 Lens Adaptor
- PK-F60LA4 Lens Adaptor
- PK-F30LA1 Lens Adaptor



F-Series Optional Lenses

Optional bayonet Lenses for VPL-FW60/65, FH60/65 and FHZ57/60/65 projectors.



	VPLL-3003	VPLL-3007	VPLL-Z3009	VPLL-Z3024	VPLL-Z3032
WUXGA	0.33:1	0.65:1	0.85 - 1.0	2.34 - 3.19	3.18 - 4.84

Optional Lenses for FX30, FX35, FH31.



	VPLL-2007	VPLL-Z2009	VPLL-Z3024*	VPLL-Z3032*
WUXGA	0.65:1	0.85 - 1.0	2.34 - 3.19	3.18 - 4.84
XGA	0.66:1	0.86 - 1.01	2.38 - 3.26	3.24 - 4.95

Value Series - Optional Lenses for FX500L, FH500L and FHZ700L.



	VPLL-FM22	VPLL-ZM42	VPLL-ZM102
WUXGA	0.87	1.83 to 2.32	3.28 to 4.83
XGA	0.89	1.87 to 2.30	3.35 to 4.92

Premium Series - Optional Lenses for FX500L, FH500L and FHZ700L.



	VPLL-Z4007	VPLL-4008	VPLL-Z4011	VPLL-Z4015	VPLL-Z4019	VPLL-Z4025	VPLL-Z4045
WUXGA	0.68 - 0.8	1.08	1.38 - 2.06	2.02 - 2.67	2.62 - 3.36	3.30 - 6.11	6.08 - 10.52
XGA	0.69 - 0.81	1.1	1.4 - 2.1	2.06 - 2.72	2.67 - 3.42	3.36 - 6.23	6.19 - 10.72

*Purchase with PK-F30LA1 adapter



Service and Support

PrimeSupport and PrimeSupport+ deliver a service and support level superior to that covered in your normal warranty to deliver true peace of mind. PrimeSupport packages are automatically applied as standard. For optional PrimeSupport+ extensions please contact your Sony Account Manager or authorised dealer.

VPL-D series Projector	PrimeSupportPro		PrimeSupportPro		
Service Reference	Included Service PS.VPLB1.12X.L1		PS.VPL.DSERIES.1Y	PS.VPL.DSERIES.3Y	PS.LMP.DSERIES.2Y
Scope of Support	Projector	Lamp	Projector		Lamp
Duration	2 years	1 year or 1000 h	+1 year (Total 3 years)	+3 years (Total 5 years)	+ 2 years or 2000 h (Total 3 years or 3000h)
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	-	✓	✓	✓
Logistics covered	✓	-	✓	✓	✓
Standard Repair	-	-	-	-	-
Express Loan unit	-	-	-	-	-
Unit Swap	✓	✓	✓	✓	✓

VPL-E & S Series	PrimeSupportPro		PrimeSupportPro		
Service Reference	Included Service PS.VPLB3.123.L3		PS.VPL.SESERIES.2Y	PS.VPL.SESERIES.3YL	PS.VPL.SESERIES.5YL
Scope of Support	Projector	Lamp	Projector		
Duration	3 years	3 years or 3000 h	+2 years (Total 5 years)	3 years Repair & Loan	+ 2 years Repair Extension & 5 years Loan product
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	-	✓	✓	✓
Logistics covered	✓	-	✓	✓	✓
Standard Repair	✓	-	✓	✓	✓
Express Loan unit	-	-	-	✓	✓
Unit Swap	-	✓	-	-	-

VPL-C & F Series (Lamp)	PrimeSupportPro		PrimeSupportPro			
Service Reference	Included Service PS.VPLB3.123.L1		PS.VPL.FCSERIES.2Y	PS.VPL.FCSERIES.3YL	PS.VPL.FCSERIES.5YL	PS.LMP.FCSERIES.2Y
Scope of Support	Projector	Lamp	Projector			Lamp
Duration	3 years	1 years or 1000 h	+2 years (Total 5 years)	3 years Repair & Loan	+ 2 years Repair Extension & 5 years Loan product	+ 2 years or 2000 h (Total 3 years or 3000h)
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	-	✓	✓	✓	✓
Logistics covered	✓	-	✓	✓	✓	✓
Standard Repair	✓	-	✓	✓	✓	-
Express Loan unit	-	-	-	✓	✓	-
Unit Swap	-	✓	-	-	-	✓

VPL-FHZ Series (Laser)	PrimeSupportPro		PrimeSupportPro					
Service Reference	Included Service PS.LASERPROJ.5		PSP.LPROJ.5YL		PSP.LPROJHVY.5		PSP.LPROJHVY.5YL	
Scope of Support	Projector	Laser	Projector	Laser	Projector	Laser	Projector	Laser
Duration	5 years	12000 hours	5 years	12000 hours	5 years	20000 hours	5 years	20000 hours
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	-	✓	-	✓	-	✓	-
Logistics covered	✓	-	✓	-	✓	-	✓	-
Standard Repair	✓	-	✓	-	✓	-	✓	-
Express Loan unit	-	-	✓	-	-	-	✓	-
Unit Swap	-	-	-	-	-	-	-	-

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.



A smarter way to engage



BRAVIA Professional Displays

Create the perfect image for your digital signage, communal areas and meeting rooms with our strongest line-up of ultra-slim, energy efficient BRAVIA Professional Displays. There are 11 models to choose from, in detailed Full HD and immersive 4K. Screen sizes range from 40" to 100".

Do more with our BRAVIA built-in solutions

Look no further with BRAVIA. Our new range features a number of fantastic built-in solutions to customise your BRAVIA exactly the way you want. From Security Viewer/Recorder, TDM Digital Signage, Smart Automation System and the Applications Store, there's no need for any external devices or players.

Superior displays designed for business

Portrait, advanced control, professional mode, optional interactive compatibility, 17/7 operation or an embedded HTML5 platform for easy digital signage creation; our BRAVIA 4K Displays are designed to suit all your professional needs so you always present a clear image.

Widest choice in 4K

With over 8 million pixels, 4K resolution offers incredible realism with four times the detail of Full HD. BRAVIA offers the widest selection of 4K Professional Displays around, with screen sizes in 43", 49", 55", 65", 75" and 85".

Highlights

- New 4K X1 processor
- Portrait/Landscape compatibility
- Interactivity option
- Built-in IP and RS232C control

3-year PrimeSupport package with Advanced Exchange – replacement rather than repair, if anything goes wrong; even including 5 year extensions.

	FW-43XD8001	FW-49XD8001	FW-55XD8501	FW-65XD8501	FW-75XD8501	FW-85XD8501	FWD-100ZD9501*
Display specifications	Screen size (diagonal)	43"	49"	55"	65"	75"	100"
	Brightness (cd/m ²)***	400				450	TBC
	Native contrast ratio			4,000:1			TBC
	Response time (ms)	8	8	5	5	5	6
Display features	Dynamic contrast ratio				over 1 million		
	Display resolution				4K (3840x2160)		
	Aspect ratio				16:9		
	Portrait compatibility				Yes		
TV System	Android system				Yes		
	Dimming type			Frame Dimming			Individual LED control
	Display device				LCD		
	Backlight type			Edge LED			Direct LED
Video specs	Processor	TBC				X1	X1 Extreme
	Operation time					17/7	
	TV Tuner				DVB-T/T2/C/S/S2		
	Number of tuners				2		
Audio specs	Wide Mode				Full/Normal/Wide Zoom/Zoom/Caption/14:9 for Video Normal/Full1/Full2 for PC		
	4:3 Default				Yes		
	Video Processing				4K X-Reality PRO		4K X-Reality PRO, with X-tended Dynamic Range PRO
	Motionflow	Motionflow XR 200Hz			Motionflow XR 800Hz		Motionflow XR 1200Hz
Signage Built-in Solutions	Triluminos				Yes		
	Viewing angle (Right/Left/Up/Down)				178 (89/89/89)		
	Compatible with HDR				Yes		
	Video Signal	4096x2160p(24, 50, 60Hz), 3840x2160p(24, 25, 30, 50, 60Hz), 1080p(30, 50, 60Hz), 1080/24p, 1080(50, 60Hz), 720p(30, 50, 60Hz), 720/24p, 576p, 576i 480p, 480i					
Corporate Built-in Solutions	4K 60P quality format				Up to 18Gbps:4K 60p 4:4:4(8bit), 4:2:2(8,10,12bit), 4:2:0(8,10bit) HDR included for HDMI 1/2/3/4		
	HDMI auto wake-up				Yes		
	3D						Active
	3D glasses						TDG-BT500A
Network specs	Speaker position				Down Firing		
	Audio Power Output		10W+10W			7.5W+7.5W+7.5W+7.5W	10W+10W
	Invisible speaker				Yes		
	Built-in Digital Signage Platform				Yes* (16 GB storage available)		
Security Built-in Solutions	Built-in Media Player				Yes		
	Built-in Android Applications Store				Yes		
	Built-in Mirroring Google Cast solution				Yes		
	Built-in Smart Automation System				Yes		
Interactivity	Built-in Meeting-Room solution				Yes		
	Built-in IPTV player				Yes (UDP/RTP)		
	Built-in Security Camera Solution				Yes		
	10 point IR touch overlay*	PT-1143-IR10	PT-1149-IR10	PT-1155-IR10	PT-1165-IR10	PT-1175-IR10	PT-1185-IR10
Control specs	Wi-Fi direct / Wi-Fi Certified				Yes		
	DLNA / Miracast (screen mirroring)				Yes		
	Firmware update				Yes (network or USB)		
	Internet Browser				Yes (Opera)		
Inputs and outputs	Wireless LAN				Integrated		
	USB HDD REC				Yes (jack 3.5)		Yes (optional accessory)
	USB Play (contents)						
	On screen clock				Yes		
Design features	Sleep timer / On/Off timer				Yes		
	IP Control				Yes		
	RS-232C Control				Yes (jack 3.5)		Yes (optional accessory)
	MHL				Yes (v3)		
Environment specs	HDCP				2.2		
	RF Connection Input(s)				1 (Side)		
	IF (BS/CS) Input(s)				2 (Side)		
	Composite Video Input(s)	1 (Side Analog Conversion)			1 (Rear Hybrid w/Component)		1 (Side Analog Conversion)
Measurements	Component Video (Y/Pb/Pr) Input(s)				1 (Rear)		
	SCART (without Smartlink)						
	HDMI™ Connection(s) (Total)		4(side3, rear1)		1 (Rear)		4(outside1, center3)
	Analog Audio Input(s) (Total)				2 (Rear)		2 (1Analog Conversion/1Rear)
Weight	Digital Audio Output(s)				1 (Rear)		1 (Side)
	Audio Out				1 (Side/Hybrid w/HP and Subwoofer Out)		
	USB				3 (Side)		
	Ethernet Connection(s)				1 (Side)		
Service and Warranty	PCMCIA Slot(s)				1 (Top)		
	Finish (Surface Color)				Black		
	Table Top Stand				Included (assembly required)		
	VESA® Hole Spacing Compatible	Yes (100 x 200 mm)	Yes (200 x 300 mm)	Yes (200 x 200 mm)	Yes (300 x 300 mm)	Yes (400 x 300 mm)	Yes
Energy Efficiency	Light Sensor				Yes		
	Energy Label	A	A	A	A+	A+	A
	Screen size (measured diagonally)				65"(64.5") / 163.9cm		
	Power Consumption (in Standby)				0.5W		
Dimensions	Power Consumption (in Operation)	82W	80W	103W	119W	147W	168W
	Dynamic Backlight Control				Yes		
	Power Saving Mode / Back Light Off Mode				Yes		
	AC Power Input				Yes		
Weight	Display Only (WxHxD) (Approx.)	96.0x56.4x4.5 (1.03) cm	109.3x63.9x4.4 (1.05) cm	123.1x71.7x4.4 (1.12) cm	145.4x84.2x4.4 (1.12) cm	167.7x96.9x4.9 (1.57) cm	191.7x110.9x7.3 (2.00) cm
	Display with Stand (WxHxD) (Approx.)	96.0x61.2x 21.6 cm	109.3x68.6x21.6 cm	123.1x77.0x26.3 cm	145.4x89.4x27.9 cm	167.7x102.6x28.6 cm	191.7x118.2x40.2 cm
	Package Carton (WxHxD) (Approx.)	107.8 x 70.5 x 15.8 cm	121.3 x 78.0 x 16.9 cm	155.2 x 82.5 x 18.2 cm	176.3 x 95.9 x 19.0 cm	206.2 x 109.1 x 22.8 cm	209.5 x 124.6 x 40.3 cm
	Display Only	12.3 Kg	13.2 Kg	15.1 Kg	20.3 Kg	33.4 Kg	60.2 Kg
Service and Warranty	Display with Stand	13.2 Kg	14.2 Kg	18.6 Kg	23.9 Kg	38.7 Kg	65.6 Kg
	Package Carton	17 Kg	20 Kg	27 Kg	35 Kg	55 Kg	83 Kg
	Standard Warranty						3 Years with Advanced Exchange by a new model

*Correct as of July 2016.

4K / HD Optional Accessories

CAB-VGAHDMI1
VGA to HDMI cable



CAB-RSJA1
RS232 jack cable



TDM digital signage software licenses*
TDM-DS1Y: 1 year
TDM-DS3Y: 3 years



Mount solutions
PT-1005K-4065
PT-LIFTHL-4075



SU-WL450/PSE Wall Mount



SU-WL500/PSE Wall Mount



** +5V source detection
*** Typical value of panel spec
**** SU-WL500 wall mount is recommended
†Chargeable options

For full product specifications and features please visit pro.sony.eu/BRAVIA

	FWL-40W705C	FWL-48W705C	FWL-55W805C	FWL-65W855C	FWL-75W855C	
Display specifications	Screen size (diagonal)	40"	48"	55"	65"	75"
	Brightness (cd/m ²)***	330			400	
	Native contrast ratio	5,000:1			4,000:1	
	Response time (ms)	6.8	8	6.5		8
Display features	Dynamic contrast ratio			over 1 million		
	Display resolution			Full HD		
	Aspect ratio			16:9		
	Portrait compatibility			Yes****	Yes****	Yes****
TV System	Android system	No			Yes	
	Dimming type			Frame Dimming		
	Display device			LCD		
	Backlight type		Edge LED			Direct LED
Video specs	Operation time			17/7		
	TV Tuner			No		
	Wide Mode			Full/Normal/Wide Zoom/Zoom/Caption/14:9 for Video Normal/Full1/Full2 for PC		
	4:3 Default			Yes		
Audio specs	Video Processing			X-Reality PRO		
	Motionflow	Motionflow XR 200Hz			Motionflow XR 800Hz	
	Viewing angle (Right/Left/Up/Down)			178 (89/89/89)		
	Video Signal	1080/24p (HDMI only); 1080/60i; 1080/60p (HDMI/Component); 1080/50i; 1080/50p (HDMI/Component); 480/60i; 480/60p; 576/50i; 576/50p; 720/60p; 576/50p; 1080/30p (HDMI only); 720/24p (HDMI only)				
Signage Built-in Solutions	HDMI auto wake-up			Yes**		
	3D				Active	
	3D glasses				TDG-BT500A	
	Speaker position			Down Firing		
Corporate Built-in Solutions	Audio Power Output	5W+5W			10W+10W	
	Invisible speaker			Yes		
	Built-in Digital Signage Platform		Yes			Yes (8 GB storage available)
	Built-in Media Player			Yes		
Security Built-in Solutions	Built-in Android Applications Store				Yes	
	Built-in Mirroring Google Cast solution				Yes	
	Built-in Smart Automation System				Yes	
	Built-in Meeting-Room solution				Yes (UDP/RTP)	
Network specs	Built-in IPTV player				Yes	
	10 point IR touch overlay*	PT-1140-IR10	PT-1148-IR10	PT-1155-IR10	PT-1165-IR10	PT-1175-IR10
	Wi-Fi direct / Wi-Fi Certified				Yes	
	DLNA / Miracast (screen mirroring)				Yes	
Control specs	Firmware update				Yes (network or USB)	
	Internet Browser				Yes (Opera)	
	Wireless LAN				Integrated	
	USB Play (contents)				MPEG1/MPEG2PS/MPEG2TS/AVCHD/MP4Part10/MP4Part2/AVI(XVID)/AVI(MotionJpeg)/MOV/WMV/MKV/WEBM/3GPP/MP3/WMA/WAV/JPEG/MPO/RAW(ARW)	
Inputs and outputs	On screen clock				Yes	
	Sleep timer / On/Off timer				Yes	
	IP Control				Yes	
	RS-232C Control	Yes (by CBX-H11/1 optional accessory)			Yes	Yes
Design features	MHL				Yes (v2.1)	
	RF Connection Input(s)				1 (Bottom)	
	IF (BS/CS) Input(s)				2 (Bottom)	
	Composite Video Input(s)				1 (Rear Hybrid w/Component)	
Environment specs	Component Video (Y/Pb/Pr) Input(s)				1 (Bottom/Hybrid)	
	SCART (without Smartlink)				1 (Rear)	
	HDMI™ Connection(s) (Total)				4 (1Side/3Bottom)	
	Analog Audio Input(s) (Total)				2 (Rear)	
Measurements	Digital Audio Output(s)				1 (Rear)	
	Audio Out				1 (Side/Hybrid w/HP)	
	USB				2 (Side)	
	Ethernet Connection(s)				1 (Rear)	
Weight	PCMCIA Slot(s)				1 (Up)	
	Finish (Surface Color)				Black	
	Table Top Stand				Included (assembly required)	
	VESA® Hole Spacing Compatible	Yes (300 x 200 mm)				Yes (400 x 300 mm)
Energy Efficiency	Light Sensor				Yes	
	Energy Label	A+	A++	A+	A+	A+
	Screen size (measured diagonally)	40"	48"	55"	65"	75"
	Power Consumption (in Standby)	0.5W	0.5W	0.5W	0.5W	0.5W
Dimensions	Power Consumption (in Operation)	44W	46W	75W	123W	163W
	Dynamic Backlight Control				Yes	
	Power Saving Mode / Back Light Off Mode				Yes	
	AC Power Input			AC Adapter (Inlet C7)		1 (Pigtail)
Weight	Display Only (WxHxD) (Approx.)	92.4x54.0x5.7(1.6) cm	108.9x63.2x5.7(1.6) cm	123.0x71.5x6.1(1.38) cm	145.5x84.3x7.8(1.42) cm	167.7x96.9x7.9(1.44) cm
	Display with Stand (WxHxD) (Approx.)	92.4x57.9x17.9 cm	108.9x67.1x19.5 cm	123.0x75.3x21.0 cm	145.5x89.1x26.5 cm	167.7x101.6x33.0 cm
	Package Carton (WxHxD) (Approx.)	102.2 x 64.0 x 15.8 cm	118.7 x 73.2 x 15.8 cm	132.8 x 82.8 x 16.9 cm	155.3 x 94.3 x 22.4 cm	177.5 x 106.8 x 22.4 cm
	Display Only	8.8 Kg	11.3 Kg	17.0 Kg	23.4 Kg	33.7 Kg
Service and Warranty	Display with Stand	9.1 Kg	11.7 Kg	18.0 Kg	24.5 Kg	34.9 Kg
	Package Carton	12.0 Kg	16.0 Kg	31.0 Kg	35.0 Kg	47.0 Kg
	Standard Warranty					3 Years with Advanced Exchange

*† Please contact your Sony dealer for more information | ** +5V source detection

4K / HD Service and Support

FWD, FW & FWL series	PrimeSupportPro	PrimeSupportPro				
Service Reference	Included Service PS.B2B.3	PSP.FWLHD40-55.5	PSP.FWLHD65-75.5	PSP.FW4K43-55.5	PSP.FW4K65-75.5	PSP.FWD.85.5
Screen type & Size	All	FWL HD 40 to 55 inch	FWL HD 65 to 75 inch	FW 4K 43 to 55 inch	FW 4K 65 to 75 inch	FWL HD and FW 4K 85 inch
Duration	3 years	2 years Extension (Total 5 years)	2 years Extension (Total 5 years)	2 years Extension (Total 5 years)	2 years Extension (Total 5 years)	2 years Extension (Total 5 years)
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	✓	✓	✓	✓	✓
Logistics covered	✓	✓	✓	✓	✓	✓
Standard Repair	-	-	-	-	-	-
Express Loan unit	-	-	-	-	-	-
Unit Swap	✓	✓	✓	✓	✓	✓

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.

For full product specifications and features please visit pro.sony.eu/BRAVIA



Touchscreen models:

- PT-1140-IR10
- PT-1143-IR10
- PT-1148-IR10
- PT-1149-IR10
- PT-1155-IR10
- PT-1165-IR10
- PT-1175-IR10
- PT-1185-IR10

The total touchscreen solution with BRAVIA Professional Displays

Our touchscreen overlay solution is available in a range of eight different sizes, for guaranteed compatibility with these BRAVIA Professional Display models (4K and Full HD).

Engage audiences with a touch

Transform your BRAVIA Professional Display into a super-size touch enabled interactive terminal.

Responsive, accurate multi-touch performance

Audience engagement is right at your fingertips. Customers can't keep their hands off these big, beautiful screens: 10 multi-touch IR points ensure accurate, lag-free performance across the entire display area.

Wide range of screen size options

Go as large as you like. There's a full range of touch-enabled BRAVIA Professional Display solutions in screen sizes from 40" right up to 85" – all offering fabulous contrast, rich colours and exquisite detail in 4K or Full HD.

Big audience appeal, low running costs

Powered by direct USB connection, the energy-efficient touch overlay keeps running costs down.*

In touch with your customers everywhere

Touch-enabled BRAVIA Professional Displays are ideal for a wide range of interactive signage and information kiosk applications – from schools, universities, museums, libraries, boardrooms and offices to hotel lobbies, hospitality zones, retail stores and visitor attractions.

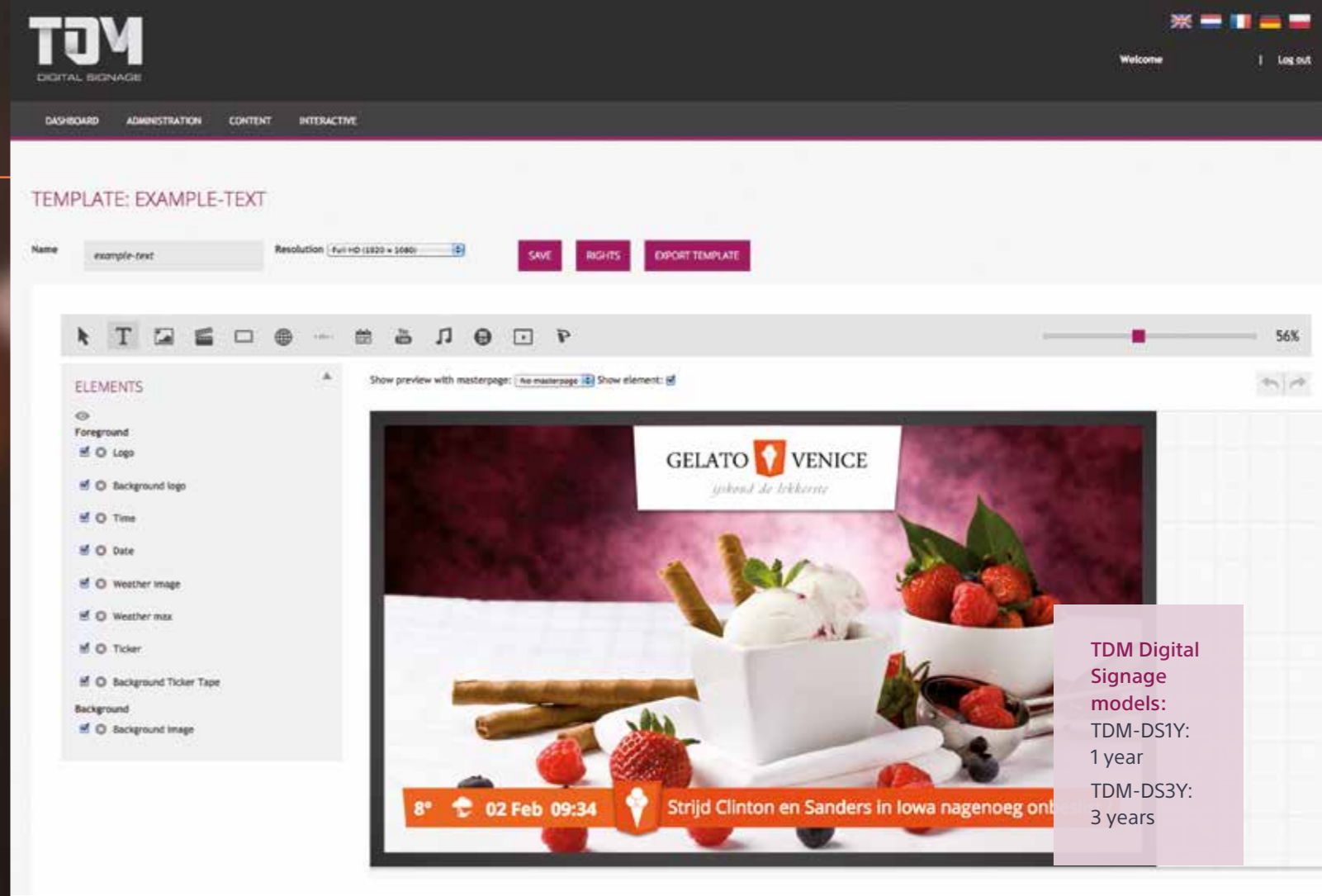
Looks great in every light

The screen overlay's tough anti-glare surface ensures optimum visibility, even in the sunniest environments.

Quick and easy to install and set up

Simple, fuss-free installation and set up allows deployment of your interactive touchscreen solution in minutes.

*BRAVIA display is powered separately.



TDM Digital Signage models:

- TDM-DS1Y: 1 year
- TDM-DS3Y: 3 years

TDM Digital Signage Inspire customers with affordable, effective digital signage

Operate your screens from a centralised or decentralised location with the content you want – anytime and anyplace. You can now do it all with our new generation of digital signage software.



Multiple screens and locations simultaneously

You can place content both centrally and decentrally on a single or even a cluster of screens from one operating system



Alerts

Possibility to send alerts centrally



RSS feeds

Keep up on all the latest news, weather forecasts, traffic reports and stock market information.



Show images

Show your favourite images via a media library



Show websites

Ability to show websites



Interactive

Possibility to show specific content based on an action



Streaming video

YouTube, Vimeo, RTSP. It is even possible to show parts of videos.



Social media

Feeds from e.g. Twitter, Facebook and LinkedIn



Live statistics

Based on emotion detection

TDM Digital Signage is developed for **SONY**



Combine everything
Inspire everyone



Vision Presenter

The PWA-VP100 Vision Presenter is a complete and intuitive solution for dynamic multi-media presentations. It's the perfect way to enhance audience engagement in business, education and more, bringing your presentations to life.

Create captivating displays

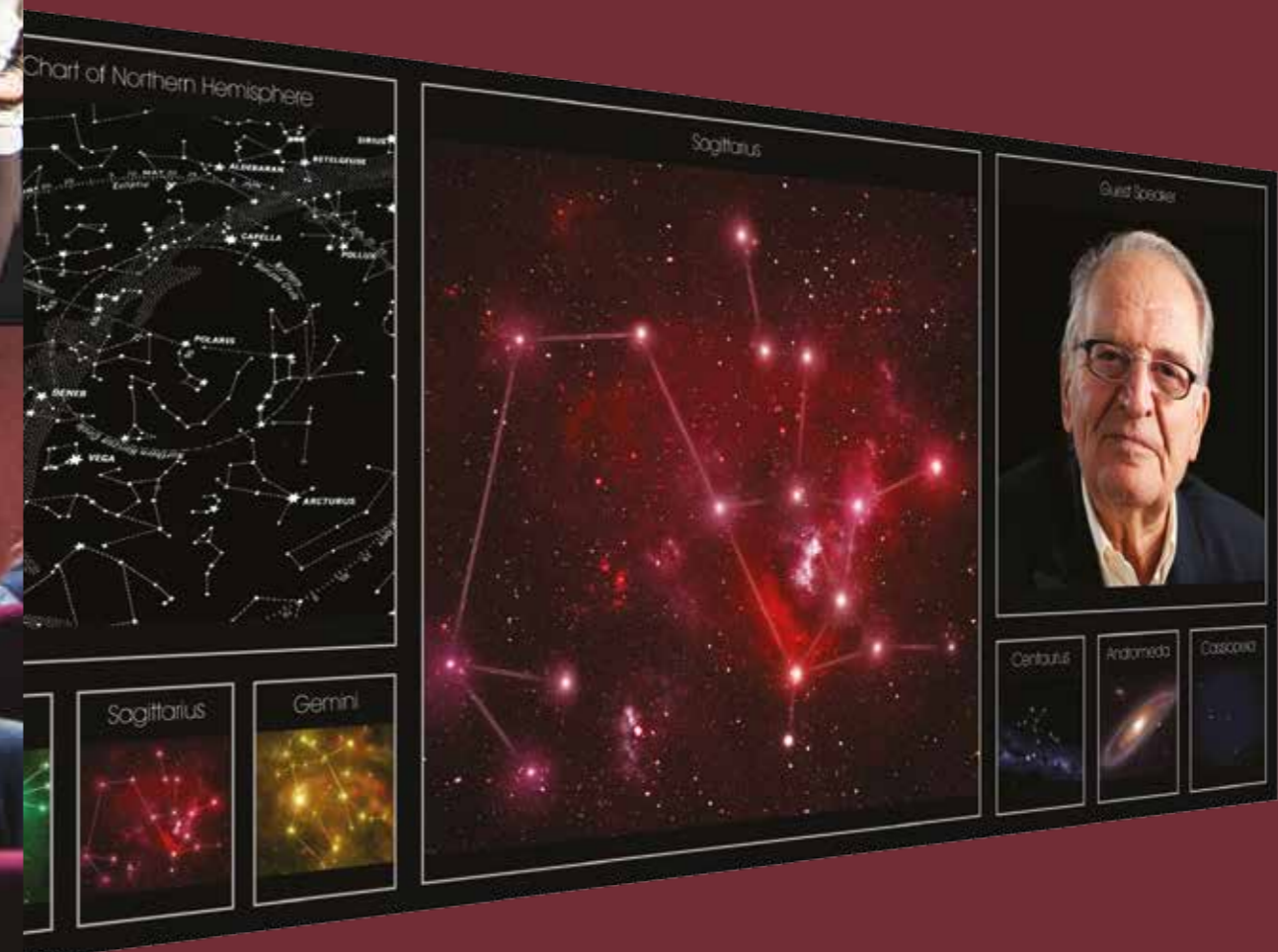
By uniting Sony's powerful projection and camera technology with a simple user interface, presenters can create truly captivating displays. A host of different content sources, from video and live web feeds to PowerPoint slides, can be shown on one screen in a huge variety of layouts.

Show all kinds of content

Vision Presenter can handle virtually all types of content, including 4K video, with simultaneous playback of up to five HD video sources. Connect as many as ten input sources including: cameras, PCs, video conferencing systems, USB flash drives, DVD players, Blu-ray players, PlayStation®4 (PS4™) and other smartphone, tablet or PC devices.

Highlights

- Multiple display variations – single screen, 4K screen, dual screen, triple screen, edge blend
- Content mirroring – preview material on mobile devices; directly connect web content
- Interactive collaboration – invite your audience to share content
- Incorporate video conferencing systems, to include remote audiences and contributors
- Easy operation for presenter or administrator; virtually zero training required





Features		
Number of Simultaneous Video Playback	5 x Full HD	
Layout Configuration	Preinstalled layout templates (6 templates for 4K/HD screen, 13 templates for blending projector screen, 11 templates for x2/x3 separate screen)	
Playable Content	<ul style="list-style-type: none"> • Still Image:JPG, GIF, PNG, BMP • Native control movie file:MP4 & MOV (H.264/AAC) • Other Document File:PPT, XLS, Word, PDF, WMV, MOV etc • Web:Website, FLASH 	
Live Video Input	<ul style="list-style-type: none"> • Capture card (x2) e.g., 3G-SDI (x4) + HDMI (x2) or HDMI (x2) + HDMI (x2) <ul style="list-style-type: none"> • Wi-Fi Mirroring • Remote Camera (IP) • Supporting HDMI HDCP • Supporting PTZ control 	
Output**	<ul style="list-style-type: none"> • Video:DVI or DisplayPort or HDMI (Up to 4K/60P 8-bit 4:2:0), • Audio:PC Line Out, HDMI Embedded Audio 	
Video Playback Control	<ul style="list-style-type: none"> • Still Image Slideshow <ul style="list-style-type: none"> • Pause/Play • Loop Play 	
Remote Control	<ul style="list-style-type: none"> • Mouse (Wired, Wireless) • Tablet Control (Android, iOS) • PC/MAC (Chrome/Safari) • Integrates with third party gesture control or control systems. 	
Recommended Hardware		
PC	Operating System	MS Windows 10 Pro English (64-bit)
	Processor	Intel Core i7-3930K (3.8 GHz, 6 core)
	Memory	16 GB (8 GB x 2) PC3-12800 (1600 MHz)
	Hard Disk Drive	Primary:1 TB HDD (SATA, 7200 rpm) Secondary:1 TB HDD (SATA, 7200 rpm)
	Power Unit	600 W ATX Power Unit
Remote Control	Tablet	Sony:XPERIA Tablet Z Apple:iPad

*1 Installation of Microsoft Office programs are required for native presentation animation support and other office files to be opened. Alternatively connect presentation PC to HDMI input when either animation is required or native programs to be supported. For better image quality, higher-resolution files are recommended. | ** Output interface varies by graphic cards.

Contract Type	PrimeSupportPro		PrimeSupportPro		
	PWA-VP100	PWA-VP100K1 / PWA-VP100-K2 / PWA-VP100-K3			
Products	PWA-VP100	PWA-VP100K1 / PWA-VP100-K2 / PWA-VP100-K3			
Service Reference	PS.VISIONPRES.1	PSPVPHPBOSO.3		PSPVPHPBOSO.5	
Scope of Support	Software	Software	HP Hardware Server support	Software HP Hardware Server support	
Duration	1 year	3 years		3 years	
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	✓	✓	✓	✓
Logistics covered	-	-	✓	-	✓
Standard Repair	-	-	-	-	-
Express Loan unit	-	-	-	-	-
Express Parts ⁽²⁾	-	-	✓	-	✓
Software Download Service	✓	✓	-	✓	-
Remote Support	-	✓	-	✓	-
On-site repair by HP Engineer	-	-	✓	-	✓

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.
⁽²⁾ Express Parts: 3/5 years Critical repair parts shipped next business day for calls logged before 15:00 CET Monday-Friday, Excluding Christmas & New Year's day. Non critical parts are covered as non stock items and are subject to longer delivery times. Covers a single projector.

For full product specifications and features please visit pro.sony.eu/VP



For full product specifications and features please visit pro.sony.eu/VP

A clear vision for collaboration



Network Cameras

Sony's professional video conferencing systems and Full HD visual imaging cameras take your communications to a new level. Unite everyone in your organisation with multi-point virtual meetings, share video, voice and PC presentations, effortlessly, for truly global collaboration.

Visual Imaging Cameras

Smooth, silent operation combined with a powerful zoom range: you'll capture every presenter and contributor in crisp, high definition with our PTZ colour cameras. The SRGs feature Sony's unique View-DR and XDNR technology, ensuring complete clarity even in very poor light. Control is easy, over standard IP networks with intuitive PC software, including the option to stream content over the internet (SRG-300SE).

Highlights

- Powerful 30x optical zoom (SRG-300H and SRG-300SE)
- View-DR and XDNR – unique Sony technologies for clarity in poor light (SRG range)
- IP streaming – stream (live or recorded) conferences, lectures and events (SRG-300SE & SRG-360SHE)

Video Conference

Sony's video conferencing systems empower effective communication for business, distance learning, remote consulting and more. With desktop and portable options, mobile integration and wireless connectivity, they're easy to use and enable sharing of video and PC presentation across multiple sites.

Highlights

- Up to 9-point MCU – connect as many as nine conferences with the PCS-XG100H
- Record – share video and presentations so more people can benefit
- HD and Full HD options, all with clear, sharp audio
- Wireless connectivity (PCS-XC1)

Service and Support

For more information on the service and support available for this range please see page 59.



Video Conferencing

PCS-XC1



Camera (SRG-120DH)	
Image Sensor	1/2.8-type "Exmor" CMOS image sensor
Output Pixels (H x V)	1920 x 1080
Frame Rate	59.94 fps
S/N Ratio	50 dB
Brightness Control	Auto/Manual
Zoom Ratio	x144 zoom (12X optical zoom, 12X digital zoom)
Focusing System	Auto/Manual
Horizontal Viewing Angle	Approx. 71°
Focal Length	f = 3.9 mm to 46.8 mm
F-Number	F1.8 to F2.0
Pan/Tilt Angle	Pan ±100°/Tilt +25°
Preset Position	100 positions
Power Supply	Supplied from View-DR Codec Unit
Other Features	Auto Gain Control, Auto White Balance, Backlight Compensation
Key Features	
Data Sharing	PC images up to 1080p resolution is supported (with option) Video annotation function
View-DR Function	Yes
Lip Synchronization	AUTO/OFF
Mic Off Function	ON/OFF
Recording Feature	HD 720p
Video	
Maximum Frame Rate	H.263 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps H.264 QCIF 30 fps, CIF 30 fps, wCIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps, 1080p 60 fps (with option)
Communication Protocol Standards	H.263, H.263+, H.263++, H.264, H.264 High profile, MPEG-4 SP@L3 4:3 QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576)
Resolution	16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080) (with option)
Bit Rate	64 kbps to 4,096 kbps
Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP
Audio	
Bandwidth and Coding	MPEG-4 AAC Mono: 11 kHz at 64 kbps, 96 kbps / MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps / G.711: 3.4 kHz at 56 kbps, 64 kbps G.722: 7.0 kHz at 48 kbps, 56 kbps, 64 kbps / G.728: 3.4 kHz at 16 kbps
Other Features	Monaural echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction
Network	
Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP
QoS (Quality of Service)	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), IP Precedence, DiffServe
Other Network Features	Packet reordering, TCP/UDP port setting, NAT, PPPoE, UDP shaping, Encryption, Auto gatekeeper discovery, UPnP, URI Dialing, IPv6
Interface	
Video Input	External video input (HDMI x 1)
Video Output	HDMI x 1
Control Input	mini USB x1
Audio Input	External analog microphone input Mini-jack (Plug in power) x 1
Audio Output	HDMI (video, audio) x 1
Network Port	10BASE-T/100BASE-TX/1000BASE-T x 1
USB Slots	2 (Pen Tablet, USB Memory)
Maintenance Interface	-
Standard	
Communication Protocol Standards	ITU-T H.323, IETF SIP
ITU-T (excluding audio/ video standards)	H.245, H.460.18, H.460.19
IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
Encryption	H.235 ver.3, H.241, H.243
Far End Camera Control	H.281
Frame Format	H.225.0
Dual Stream	H.239 (video and presentation data)
General	
Power Requirements	DC 19.5 V (AC Adapter : AC 100 V to 240 V, 50/60 Hz)
Power Consumption	26 W (typical)
Power Consumption (Standby)	TBD
Operating Temperature	5°C to 35°C / 41°F to 95°F
Storage Temperature	-20°C to +60°C / -4°F to +140°F
Operating Humidity	20% to 80% (no condensation)
Storage Humidity	20% to 80% (no condensation)
Dimensions (W x H x D)	Approx. 206 x 174 x 152 mm
Mass	Approx. 1.8kg
Supplied Accessories	PCS-A1 microphones (1), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1), Before using this unit Installation Guide (1), Warranty booklet (1)

PCS-XC1

Optional Accessories

Optional Licenses

PCS-A1
Omnidirectional
Microphone

PCS-MEP
IPELA Communication Mobile app for Android,
iPhone®, iPad®, iPad Air™ and iPad mini™

PCSA-RXC1
Full HD update

PCSA-WXC1
WiFi update



For full product specifications and features please visit
pro.sony.eu/visual-comms

Video Conferencing

PCS-XG100H / PCS-XG77H



	PCS-XG100H	PCS-XG77H
Camera (SRG-120DH)		
Image Sensor	1/2.8-type "Exmor" CMOS image sensor	
Image Sensor (Number of effective pixels)	Approx. 2.1 Megapixels	
Output Pixels (H x V)	1920 x 1080	
Frame Rate	59.94 fps	
S/N Ratio	50 dB	
Brightness Control	Auto/Manual	
Zoom Ratio	x144 zoom (12X optical zoom, 12X digital zoom)	
Focusing System	Auto/Manual	
Horizontal Viewing Angle	Approx. 71°	
Focal Length	f = 3.9 mm to 46.8 mm	
F-Number	F1.8 to F2.0	
Pan/Tilt Angle	Pan ±100°/Tilt +25°	
Preset Position	16 positions	
Power Supply	Supplied from Codec Unit	
Other Features	Auto Gain Control, View-DR, XDNR, Backlight Compensation	
Key Features		
Multipoint Capability	Up to 6 sites (H.320/H.323) with optional software PCSA-MCG106. Up to 9 sites (H.323) with optional software PCSA-MCG109. 10 to 16 sites requires two PCS-XG100S units cascaded with optional software (10 sites with H.320) (16 sites with H.323)	-
Data Sharing	PC images up to 1080p resolution is supported	PC images up to 1080p resolution is supported with optional license (SXGA standard)
Video annotation function		
Lip Synchronization	AUTO/OFF	
Mic Off Function	ON/OFF	
Recording Feature	HD 720p	
Video		
Maximum Frame Rate	H.261 QCIF 30 fps, CIF 30 fps, H.263 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps	H.264 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps, wCIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps, 1080p 60 fps
Communication Protocol Standards	H.261*, H.263, H.263+, H.263++, H.264, H.264 High profile, MPEG-4 SP@L3	
Resolution	4:3 QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576) 16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080)	16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080) with software option
Bit Rate	64 kbps to 16,000 kbps	
Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP	
Audio		
Bandwidth and Coding	MPEG-4 AAC Stereo: 22 kHz at 192 kbps (IP only) MPEG-4 AAC Mono: 14 kHz at 48 kbps, 64 kbps, 96 kbps MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps (IP only) G.711: 3.4 kHz at 56 kbps, 64 kbps G.722: 7.0 kHz at 48 kbps, 56 kbps, 64 kbps G.728: 3.4 kHz at 16 kbps	
Other Features	Stereo echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction	

*H.261 in H.323 will be available as V2.0

PCS-XG100H / PCS-XG77H

Optional Accessories

Optional Licenses

PCS-A1
Omnidirectional
Microphone



SRG-300H
1080p/60 HD
Pan/Tilt/Zoom
Camera



PCSA-B384S
3-line ISDN unit
(up to 6B channels)



PCSA-B768S
6-line ISDN unit
(up to 12B channels)



PCS-MEP
IPELA Communication
Mobile app



PCSA-MCG106 6 site
internal MCU for XG100/77
PCSA-MCG109 9 site
internal MCU for XG100
PCSA-RXG77 HD update
for XG77
PCSA-SAG1/8 License update
for MEP client connection

For full product specifications and features please visit
pro.sony.eu/visual-comms



General	
Power Requirements	DC 12V (AC Adapter : AC 100V to 240V, 50/60Hz)
Power Consumption	13 Watts
Operating Temperature	5 C to 35 C 41 F to 95 F
Storage Temperature	-20 C to +60 C -4 F to +140 F
Operating Humidity	20% to 80% (no condensation)
Storage Humidity	20% to 80% (no condensation)
Dimensions (W x H x D)	Approx. 170 x 44 x 125 mm (excluding protrusions)
Mass	Approx. 0.65 kg
Formats	
Communication Protocol	ITU-T H.323
Video Encoding	H.263, H.263+, H.263++, H.264 Baseline Profile, H.264 High Profile
Audio Encoding	G.711 (3.4kHz@56/64kbps), G.722 (7.0kHz@48/56/64kbps), G.728 (3.4kHz@16kbps), MPEG-4 AAC-LC Mono (14kHz@64/96kbps)*1, MPEG-4 AAC-LC Mono (22kHz@64/96kbps)*2
Frame Format	H.225
Dual Stream	H.239 (video and presentation data) (transmission and reception)
Encryption	H.235 version 3
Other	H.460.18, H.460.19
Video and Audio	
Video Codec - Resolution	[4:3] QCIF (176x144), CIF (352x288), 4CIF (704x576) [16:9] WCIF (W288p) (512x288), W432p (768x432), W4CIF (1024x576), 720p (1280x720), 1080p (1920x1080)
Video Codec - Frame Rate	Up to 60fps (H.264@720p, H.264@1080p) Up to 30fps (H.264, H.263, H.263+, H.263++, except for H.263 4CIF)
Screen Layout	3 screens, 4 screens, 6 screens, 9 screens, 10 screens, 13 screens, 16 screens
Communication Parameter Settings	YES (Auto / Manual) (Resolution, Bitrate, Frame Rate)
Multi-stream Transmission/ Reception	YES (A/V only) 3 streams (2x video + 1x PC)
Audio Channel	Mono
Mic ON/OFF	NO
Network and Multipoint	
Network Protocol	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP, PPPoE, UPnP
QoS (Quality of Service)	Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), Adaptive FEC (Forward Error Correction), IP Precedence, DiffServe
Network Function	UDP Shaping, TCP/UDP Port Setting, NAT Support, Auto Gatekeeper Discovery, URI Dialing, IPv6
Protocol Stack	IPv4, IPv6
Bitrate	64 kbps to 16,000 kbps
H.239 Presentation	YES
Multipoint Capability	Up to 4 terminals (H.323) as standard Up to 10 terminals (H.323) with optional software PCSA-MPE1 Up to 16 terminals (H.323) with optional software PCSA-MPE1 and PCSA-MPE2
Interfaces	
Network Interface	Gigabit Ethernet (10BASE-T/100BASE-TX/1000BASE-T) x 2
External Control	YES (mini-USB typed terminal)*3.
Other	USB x 1 Kensington Security Slot x 1
Language	
Language on web UI	English, Japanese, Chinese

*1: In the case that the echo canceller is activated. | *2: In the case that the echo canceller is deactivated |
*3: the mini-USB typed terminal is NOT compliant with USB

PCS Series	PrimeSupportPro					
Service Reference	PS.VIDEOCONF.3	PSP.VIDCONFSYSM.4	PSP.VIDCONFSYSM.5	PSP.HDCONFSYS.RL3	PSP.HDCONFSYS.RL4	PSP.HDCONFSYS.RL3
Duration	3 years	1 Year repair Extension Total 4 years	2 Years repair Extension Total 5 years	3 Years Repair & Loan	4 Years Repair & Loan	5 Years Repair & Loan
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	✓	✓	✓	✓	✓
Logistics covered	✓	✓	✓	✓	✓	✓
Standard Repair	✓	✓	✓	✓	✓	✓
Express Loan unit	-	-	-	✓	✓	✓
Unit Swap	-	-	-	-	-	-

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.

For full product specifications and features please visit
pro.sony.eu/visual-comms



Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System	1080/59.94p, 50p, 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p
Minimum Illumination (50IRE)	1.4 lx (50IRE, F1.6, 30 fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
Exposure Control	Auto, Manual, Priority AE (Shutter, Iris), Exposure compensation, Bright
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
Optical Zoom	30x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	63.7 degree (Wide)
Focal Length	f=4.3 mm (Wide) to 129 mm (Tele) F1.6 to 4.7
Minimum Object Distance	10 mm (Wide) ~ 1200 mm (Tele)
Pan/Tilt Angle	Pan: ±170° Tilt: +90°/-20°
Pan/Tilt Speed (Max.)	Pan: 100°/sec Tilt: 90°/sec
Preset Position	256
Camera features	
Day/Night ICR	Yes
Wide-D	Yes (View-DR)
Noise Reduction	Yes
Image Stabilizer	Yes
Image Flip	Yes
Superimpose Number	3 independant positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independant position for a log mark
Superimpose Langugae	English
Menu Langugae	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai
Smartphone Viewer	Yes
Video	
Resolution	1920 x 1080, 1280, 720, 1024 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184 (H.264, JPEG)
Compression Format	H.264, JPEG
Maximum Frame Rate	H.264: 60 fps (1920 x 1080) JPEG: 30 fps (1920 x 1080)
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	64 Kbps to 32 Mbps

Image Cropping	No
Solid PTZ	Yes
Adaptive Rate Control	H.264
Bandwidth Control	JPEG
Muti Streaming Capability	Triple Streaming
Number of Clients	20
Audio	
Compression Format	AAC-LC (64kbps/128bps)
System Requirements	
Operating System	Mac OS (Plug-in free viewer only), Andriod/iOS (Smart phone viewer only), Windows Vista (32 bit) Ultimate (Business Edition), Windows 7 (32/64 bit) Ultimate (Professional Edition), Windows 8 Pro (32/64 bit), Microsoft DirectX 9.0 <
Processor	Intel Corei7 2.8 GHz <
Memory	2 GB<
Web Browser	Microsoft Internet Explorer Ver. 8.0, 9.0, 10.0, 11.0. Firefox Ver. 19.02 (Plug-in free viewer only). Safari Ver. 5.1 (Plug-in free viewer only). Google Chrome Ver. 25.0 (Plug-in free viewer only).
Network	
Protocols	IPc4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, IPv6, HTTPS, SNMP (v1, V2c, V3), SSL
QoS	DiffServ(DSCP)
Multicast Streaming Support	Yes
ONVIF Conformance	No
Wireless Network	No
Authentication	IEEE802.1X
Interface	
HD Video Output	3G-SDI
SD Video Output	-
MIC Input	Mini Jack (Monoral): 2.5 V DC plug-in power
Line Input	RCA (Monoral)
Network Port	10BASE-T / 100BASE-TX (RJ-45)
Serial Interface	RS-422
General	
Power Requirements	DC 12 V (DC 10.8 ~ 13.2 V)
Power Consumption	16.8 W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions (W x H x D)	157 x 164 x 163 mm (6 1/4 x 6 1/2 x 6 1/2 inches)
Mass	1.4 kg (3 lb 1.4 oz)
Body Colour	White/Black
Wide Conversion Lens Attachable	No
Mountable Angle	<±15°
Ceiling Mount	Yes
Supplied Accessories	AC power adaptor (1) AC power cable (1) RS-422 connector plug (1) Ceiling bracket (2) Wire rope (1) Screw M3x8 (8)

For full product specifications and features please visit
pro.sony.eu/visual-comms



Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System - HD	1080/59.94p,50p 1080/59.94i,50i 720/59.94p,50p
Signal System - SD	-
Minimum Illumination (50 IRE)	High Sensitivity mode: 0.35 lx (50IRE, F1.6, 30fps) Normal mode : 1.4 lx (50IRE, F1.6, 30fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
TV Line	1,000 (center)
Auto IR cut filter	Auto, Manual, Timer, Sensor input Near-IR compensation on/off
Shutter Speed	1/1 to 1/10000
Exposure Control	Auto, Manual, Priority AE (Shutter,Iris), Exposure compensation, Blight
White Balance	Auto1/Auto2/Indoor/Outdoor/One-push/Manual
Optical Zoom	30x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	2.9° (Tele)- 65° (Wide, normal mode) / 63.7° (Wide, low latency mode)
Focal Length	f=4.3 to 129.0 mm F1.6 to 4.7
Minimum Object Distance	10 mm (Wide end), 1200 mm (Tele end)
Pan/Tilt Angle	Pan: ±170°, Tilt: +90°/-30°
Preset Position	256
Sync system	INT
Camera Control - IR	Yes
Camera Control - Interface	RS-422/RJ-45
Camera Control - Protocol	VISCA (RS-422, IP)/CGI (RJ-45)/S700PTP
Audio	
Audio - Channel	2ch (stereo)
Audio - Codec	AAC LC
Audio setting option	Auto level control (ALC) On/OFF Simplified equalizer
Audio - Sampling frequency	48kHz
Audio - Embedded in Baseband video	Yes (3G-SDI, HDMI)
Audio - Embedded in IP streaming	Yes
Interface	
HD Video Output	3G-SDI, HDMI
SD Video Output	-
MIC Input	Mini-phone (3.5)x2 (MIC/Line) (selectable)
General	
Power Requirements	DC 12V (DC 10.8 ~ 13.2V)
PoE	PoE+
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Dimensions (W x H x D)	159 x 187.5 x 200.5mm (6 3/8 x 7 1/2 x 8 inches)
Mass	Approx. 2.1 kg (4 lb 10 oz)
Body Color	White with black
IP streaming	
Resolution	1920 x 1080, 1280 x 720, 960 x 540 (H.264)
Compression Format	H.264 (High Profile)
Maximum Frame Rate	H.264: 60 fps (1920 x 1080)
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	512Kbps-32 Mbps
Adaptive Rate Control	H.264
Multi Streaming Capability	3
Maximum Number of Clients	5
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, RTP/RTCP, RTSP, HTTPS, SSL, VISCA over IP
Supplied Accessories	IR remote commander (1), AC power adaptor (1); Ceiling bracket (2), Wire rope(1), HDMI cable retainer(1), Screw M3 x 8(9), Screw M2.6x6(1)

SRG-360SHE

Optional Accessories

PCS-A1
Omnidirectional
Microphone



SCA-M30
Ceiling microphone
for IP security cameras



RM-IP10
IP remote control
panel for BRC and SRG
series cameras



For full product specifications and features please visit
pro.sony.eu/visual-comms



Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System	1080/59.94p,50p,29.97p,25p 1080/59.94i,50i 720/59.94p,50p,29.97p,25p
Minimum Illumination (50IRE)	1.4 lx (50IRE, F1.6, 30 fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
Exposure Control	Auto, Manual, Priority AE (Shutter,Iris), Exposure compensation, Bright
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
Optical Zoom	30x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	65 degree (Wide)
Focal Length	f=4.3 mm (Wide) to 129 mm (Tele) F1.6 to 4.7
Minimum Object Distance	10 mm (Wide) ~ 1200 mm (Tele)
Pan/Tilt Angle	Pan: ±170° Tilt: +90°/-20°
Pan/Tilt Speed (Max.)	Pan: 100°/sec Tilt: 90°/sec
Preset Position	16*
Camera features	
Auto ICR	Yes
Wide-D	Yes
Image Stabilizer	Yes
Image Flip	Yes
Auto Power Off	No
Night Power Off	No
Interface	
HD Video Output	HDMI
SD Video Output	-
Camera Control Interface	RS-232/RS-422/RJ-45
Sync System	INT
General	
Power Requirements	DC 12 V (DC 10.8 ~ 13.2 V)
Power Consumption	16.8 W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions (W x H x D)	157 x 164 x 163 mm (6 1/4 x 6 1/2 x 6 1/2 inches)
Mass	1.4 kg (3 lb 1.4 oz)
Body Colour	White/Black
Wide Conversion Lens Attachable	No
Mountable Angle	<±15°
Ceiling Mount	Yes
Supplied Accessories	AC power adaptor (1) AC power cable (1) IR remote commander unit (1) CD-ROM (Operating instructions) (1) RS-422 connector plug (1) Ceiling bracket (2) Wire rope (1) Screw M3x8 (8)

* Presets x 16 when controlled via VISCA. Presets x 6 when using the supplied IR remote commander.

SRG-300H

Optional Accessories

RC4 Remote
Digital PTZ Camera
Extension Solution for RS-
232 control; HDMI or DVI



RC5 Remote
Digital PTZ Camera
Extension Solution for
Ethernet control



RM-BR300
Remote control
unit for BRC and SRG
series cameras



RM-IP10
IP remote control
panel for BRC and
SRG series cameras



For full product specifications and features please visit
pro.sony.eu/visual-comms



Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System	1080/59.94p, 50p, 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p
Minimum Illumination (50IRE)	1.8 lx (50IRE, F1.8, 30 fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
Exposure Control	Auto, Manual, Priority AE (Shutter, Iris), Exposure compensation, Bright
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
Optical Zoom	12x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	71 degree (Wide)
Focal Length	f=3.9 mm (Wide) to 46.8 mm (Tele) F1.8 to 2.0
Minimum Object Distance	10 mm (Wide) ~ 1500 mm (Tele)
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°
Pan/Tilt Speed (Max.)	Pan: 300°/sec Tilt: 126°/sec
Preset Position	16*1
Camera features	
Auto ICR	No
Wide-D	Yes
Image Stabilizer	No
Image Flip	No
Auto Power Off	No
Night Power Off	No
Interface	
HD Video Output	HDMI
SD Video Output	-
Camera Control Interface	RS-232/RJ-45
Sync System	INT
General	
Power Requirements	DC 12 V (DC 10.8 ~ 13.2 V)
Power Consumption	16.8 W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions (W x H x D)	153 x 156 x 153 mm (6 1/8 x 6 1/4 x 6 1/8 inches)
Mass	1.45 kg (3 lb 3.1 oz)
Body Colour	Silver
Wide Conversion Lens Attachable	No
Mountable Angle	<±15°
Ceiling Mount	No
Supplied Accessories	AC power adaptor (1) AC power cable (1) IR remote commander unit (1), CD-ROM (Operating instructions) (1)

*1 Presets x 16 when controlled via VISCA. Presets x 6 when using the supplied IR remote commander.



Specifications	
Image Device	1/2.8-type Exmor CMOS
Effective Pixels	Approximately 2.1 megapixels
Lens	12x optical/12x digital zoom Focal Length - 3.9 mm (wide) to 46.8 mm (tele) F1.8 to 2.0
Minimum Object Distance	10 mm (Wide) to 1500 mm (Tele)
Auto Exposure	Yes
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
Gain	Auto/Manual (0 to +43 dB)
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
Pan Angle/Speed	Angle: +/- 100 degrees Speed: 300 degrees / sec.
Tilt Angle/Speed	Angle: +25 degrees / -25 degrees Speed: 126 degrees / sec
Horizontal Viewing Angle	71 degrees wide
Digital Zoom	
Digital Zoom	12x
Preset Positions	16
Focus System	Auto/Manual
Sync System	INT
Wide Dynamic Range	Yes (View-DR)
Interface	
Camera Control Interface	VISCA protocol with built-in IP control Camera Control Interface: RJ-45 / RS-232C
Video Output	
Horizontal Resolution	1,000 TV lines
Minimum Illumination	1.8 lx (50 IRE, F1.8 30 fps)
S/N Ratio	50 dB
Video Output	3G-SDI
Signal System	1080/59.54p, 50p, 29.87p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p
General	
Dimensions (W x H x D)	153 x 156 x 153 mm (6-1/8 x 6-1/4 x 6-1/8 inches)
Weight	1.6 kg (3 lb. 8.4 oz)
Power Requirements	DC 12V (DC 10.8 to 13.2 V)
Power Consumption	16.8 W
Operating Temperature	0°C to 40° C (32°F to 104° F)
Storage Temperature	-20°C to 60°C (-4°F to +140°F)

RC4 Remote

Digital PTZ Camera Extension Solution for RS-232 control; HDMI or DVI



RC5 Remote

Digital PTZ Camera Extension Solution for Ethernet control



RM-BR300

Remote control unit for BRC and SRG series cameras



RM-IP10

IP remote control panel for BRC and SRG series cameras



For full product specifications and features please visit pro.sony.eu/visual-comms

RM-BR300

Remote control unit for BRC and SRG series cameras



RM-IP10

IP remote control panel for BRC and SRG series cameras



For full product specifications and features please visit pro.sony.eu/visual-comms



Camera	
Image Sensor	1/2.8 Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels
Signal System	29.97p,25,1080/59.94i,50i 720/59.94p,50p,29.97p,25p,15p
Minimum Illumination (50IRE)	1.8 lx (50IRE, F1.8, 30 fps)
S/N Ratio	50 dB
Gain	Auto/Manual (0 to +43 dB)
Shutter Speed	1/1 to 1/10000 sec (59.94 Hz system) 1/1 to 1/10000 sec (50 Hz system)
Exposure Control	Auto, Manual, Priority AE (Shutter,Iris), Exposure compensation, Bright
White Balance	Auto, Indoor, Outdoor, One-push auto, ATW, Manual
Optical Zoom	12x
Digital Zoom	12x
Focusing System	Auto/Manual
Horizontal Viewing Angle	71 degree (Wide)
Focal Length	f=3.9 mm (Wide) to 46.8 mm (Tele) F1.8 to 2.0
Minimum Object Distance	10 mm (Wide) - 1500 mm (Tele)
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°
Pan/Tilt Speed (Max.)	Pan: 300°/sec Tilt: 126°/sec
Preset Position	16**
Camera features	
Auto ICR	No
Wide-D	Yes
Image Stabilizer	No
Image Flip	No
Auto Power Off	No
Night Power Off	No
Interface	
HD Video Output	USB 3.0 / USB 2.0
SD Video Output	-
Camera Control Interface	RJ45 / UVC / RS-232
Sync. System	INT
General	
Power Requirements	DC 12 V (DC 10.8 - 13.2 V)
Power Consumption	16.8 W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions (W x H x D)	153 x 156 x 153 mm (6 1/8 x 6 1/4 x 6 1/8 inches)
Mass	1.45 kg (3 lb 3.1 oz)
Body Colour	Silver
Wide Conversion Lens Attachable	No
Mountable Angle	<±15°
Ceiling Mount	No
Supplied Accessories	AC power adaptor (1) AC power cable (1) IR remote commander unit (1), CD-ROM (Operating instructions) (1)

** Presets x 16 when controlled via VISCA. Presets x 6 when using the supplied IR remote commander.



Image Sensor	1/4-type EXview HAD CCD
Signal system - SD	PAL
Lens - Focal length	f=3.5 mm (wide) to 98.0 mm (tele) F1.35 to F3.7
Lens - Optical zoom	28x
Lens - Digital zoom	12x
Min. object distance	10 mm (wide) - 1,500 mm (tele) *Default: 300 mm
Horizontal viewing angle	55.8 degrees (wide) to 2.1 degrees (tele)
Focus systems	Auto, One-push AF, Manual, Infinity
Min. illumination	0.65 lx (F1.35, 50 IRE)
Shutter speed	1 to 1/10,000 s
Gain	Auto/Manual/Max. AE Gain Limit (-3 to 28 dB, 2 dB steps)
White balance	Auto, Indoor, Outdoor, One-push, Manual
Wide-D	Yes
Exposure control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow Shutter AE
Auto ICR	Yes
S/N ratio	More than 50 dB (3D Noise Reduction)
Pan/Tilt - Angle - Pan	±170°
Pan/Tilt - Angle - Tilt	+90°/-20°
Pan/Tilt - Max. speed - Pan	100°/sec
Pan/Tilt - Max. speed - Tilt	90°/sec
Preset positions	6
Video output - SD	VBS, Y/C
Camera control - Interface	RS-232C/RS-422
Camera control - Protocol	VISCA
Power requirements	DC 12 V
Power consumption	8 W
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to +60°C (-4°F to +140°F)
Mass	1,460 g (3 lb 3 oz)
Dimensions (W x H x D)	145 x 164 x 164 mm (5 3/4 x 6 1/2 x 6 1/2 inches)
Body colour	Black, White
Supplied Accessories	AC adaptor (1), AC power cable (1), IR remote commander unit (1), Ceiling bracket (1), Operating instructions (1), RS-422 connector plug (1)

SRG & EVI Series	PrimeSupportPro							
	PS.VIDEOCONF.3	PSP.SDCAMERA.4	PSP.SDCAMERA.5	PSP.HDCAMERA.4	PSP.HDCAMERA.5	PSP.HDCAMERA.RL3	PSP.HDCAMERA.RL3	PSP.HDCAMERA.RL3
Service Reference	All	SD EVI Series			HD EVI & SRG Series			
Product type	All	SD EVI Series			HD EVI & SRG Series			
Duration	3 years	1 Year repair Extension (Total 4 years)	2 Years repair Extension (Total 5 years)	1 Year repair Extension (Total 4 years)	2 Years repair Extension (Total 5 years)	3 Years Repair & Loan	4 Years Repair & Loan	5 Years Repair & Loan
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	✓	✓	✓	✓	✓	✓	✓
Logistics covered	✓	✓	✓	✓	✓	✓	✓	✓
Standard Repair	✓	✓	✓	✓	✓	✓	✓	✓
Express Loan unit	-	-	-	-	-	✓	✓	✓
Unit Swap	-	-	-	-	-	-	-	-

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.



Visual Simulation and Visual Entertainment

Every projector in our simulation and visualisation line-up delivers stunning 4K images. At more than four times the resolution of Full HD, it guarantees an astonishingly detail-packed experience, with richer colour and unbeatable image quality. Whether you're creating a flight simulation for pilot training, a Planetarium, or sharing a finely-detailed visualisation for an automotive design, all projectors can provide you with the very best picture.

For more information on the service and support available for this range please see page 59.

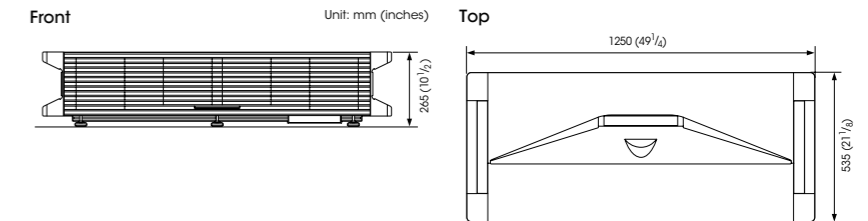


VPL-GT21

Professional 4K SXRD projectors for visualisation and simulation

Combining the best Sony technologies, the VPL-GT21 is a 4K Ultra-Short Throw projector with a laser light source for 20,000 hours of high performance, virtually zero maintenance without the need for a lamp exchange. At 2,000 lumens brightness, it's perfect for museums, design simulation, industry, education, business and can be used to create stunning video walls.

- Detail-packed 4K image quality
- Projected image size: 66" to 147"
- No lamp: 20,000 hours virtually zero maintenance requirements
- Quick on/off
- Floor standing or ceiling mount with front and rear projection
- 'Blend in' design to suit any environment



		Projector (VPL-GT21)
Display System		SXRD panel, projection system
Display device		SXRD 0.74" (18.8 mm) x 3
Projection lens	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
	Zoom	Powered (Approx. x1.6)
	Focus	Powered
	Corner correction adjustment	Powered
	Throw Ratio	0.16:1 to 0.25:1
Light source		Laser diode
Projection image size		66" to 147" (1,676 mm to 3,734 mm)
Light output		2000 lm
Color light output		2000 lm
Contrast ratio		∞:1 (dynamic contrast)
Accepted digital signals**		VGA, SVGA, XGA, WXGA(1280x768), Quad-VGA, SXGA, SXGA+, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 3840x2160/24p, 3840x2160/25p, 3840x2160/30p, 3840x2160/50p*, 3840x2160/60p*, 3840x2160/60p*, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p*, 4096 x 2160/60p*
Inputs/Outputs (Video/Audio/Control)	HDMI Inputs	4
	REMOTE	RS-232C, D-sub 9-pin
	LAN	RJ45, 10BASE-T/100BASE-TX
	IR IN	Mini Jack
	USB	Type A, DC 5 V, Max. 500 mA
Operating temperature (Operating humidity)		5°C to 35°C (41°F to 95°F) (35% to 85% (no condensation))
Storage temperature (Storage humidity)		-20°C to +60°C (-4°F to +140°F) (10% to 90% (no condensation))
Power requirements		AC 100 V to 240 V, 5.9 A to 2.5 A, 50/60 Hz
Power consumption		520 W
Standby mode power consumption		0.5 W
Acoustic noise		26 dB
Dimensions (W×H×D)		1,250 mm x 265 mm x 535 mm (49.2 inches x 10.4 inches x 21.1 inches)
		1,100 mm x 265 mm x 535 mm (43.3 inches x 10.4 inches x 21.1 inches) (without handle)
Mass		55 kg (121 lb)
Optional accessories		Active 3D Glasses: TDG-BT500A

** 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz | *2 YCbCr 4:2:0 / 8 bit format signal
Design of this unit is subject to change without notice.

This data projector is classified as a CLASS 2 LASER PRODUCT. (Laser radiation IEC60825-1:2007)

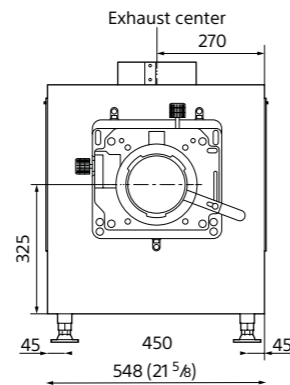
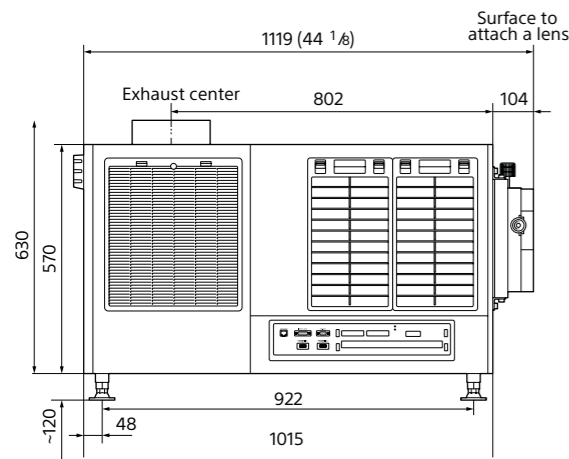


For full product specifications and features please visit pro.sony.eu/visualisation

SRX-T615

SRX-T series for professional and industrial visualisation

- Detail with true 4K SXR D picture quality
- Best in class 12,000:1 contrast ratio and 18,000 centre lumens combined
- Efficient, easy to handle HPM multi-lamp array
- Interleaved lamp control for longer life
- Lamp fail-safe for resilient operation
- Easy-on-the-eye 3D
- Create super-sized images with edge blending
- Flexible throw distance with interchangeable lens



HDMI 4K SXR D

	Projector (SRX-T615)
Resolution	4096 x 2160
Display device	3 x 1.48" 4K SXR D
Brightness	18,000 Centre lumens
Contrast ratio	12,000:1
Lamp technology	6 x HPM lamp 450W/330W

For full product specifications and features please visit pro.sony.eu/visualisation

VPL-GT100

VPL-GT100 is a compact professional 4K SXR D projector with 2,000 lumens brightness, ideal for simulation. It features a dual display port input for outstanding native 4096 x 2160 resolution at 60 frames per second, while Sony's latest generation SXR D panel and advanced Iris3 technology achieve an incredible dynamic contrast ratio of 1,000,000:1.



- Richer pictures with Wide Colour Space (DCI, Adobe RGB)
- Transport delay reduction, for smooth images
- Portrait or landscape installation
- Smear reduction with Sony's Dark Frame Insertion technology
- Compact – 20kg

	Projector (VPL-GT100)
Resolution	4096 x 2160
Display device	3 x 0.74" 4K SXR D
Brightness	2,000 lumens
Dynamic contrast ratio	1,000,000:1
Lamp technology	330W HPM lamp



LKRL-Z519



LKRL-Z219



LKRL-Z514



LKRL-Z211



LKRL-Z511

Lamp

	SRX-T615	SRX-T420
Lamp	LKRM-U450 LKRM-U330 LKRM-U331	LKRX-2042A

Interchangeable lens

	LKRL-Z511	LKRL-Z514	LKRL-Z519	
SRX-T615				
Throw ratio	1.05-1.75	1.35-2.34	1.80-4.00	
SRX-T423				LKRL-Z140
Throw ratio	1.05-1.75	1.35-2.40	1.85-4.00	3.81-7.12
3D Lens for SRX-T615	LKRL-A502	LKRL-A503		
Throw ratio	1.03-1.85	1.70-3.76		

Interface board

	SRX-T615	SRX-T420
DVI Board	QMCB-DVI	LKRI-005
HD-SDI Board	QMCB-SDI	LKRI-003

For full product specifications and features please visit pro.sony.eu/visualisation



VPL-GTZ280

4K SXR D up to 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXR D imagery and laser light source technology, to create a projector with native 4K resolution, high-speed signal processing, fast motion blur reduction, infrared light output for night vision, and vibration resistance - all ideal for visualisation, simulation and training applications.

- Exclusive SXR D chip provides native 4K resolution and high contrast ratio
- 4K 3D capability for reliable simulation*
- Deep blacks reduce white band visibility for multi-projector blending
- Long life optics, up to 20,000h (up to 40,000h in low brightness mode)
- Dust resistance by sealed optics
- Constant brightness mode and periodic auto calibration for enduring image quality



- High speed motion functions: 4K 120Hz input, smear reduction, transport delay reduction*
- Infrared light output for night vision simulation*
- Angle-free installation and vibration endurance for motion based system
- Whisper quiet operation less than 35dB
- HDR (High Dynamic Range) Gamma*

*Configurable function.

		VPL-GTZ280
Display system		4K SXR D panel, projection system
Display device	Size of effective display area	0.74" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*3	Focus	Powered
	Zoom	Powered
Light source		Laser diode
Light output		2,000 lm 5,000 lm using the LSM-BRIN1 optional upgrade
Colour light output		2,000 lm 5,000 lm using the LSM-BRIN1 optional upgrade
Contrast ratio		Up to 20,000:1** (native contrast)
Accepted digital signals*4		VGA, SVGA, XGA, WXGA(1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/50p, 3840x2160/60p, 3840x2160/100P, 3840x2160/120P, 4096x2160/24p, 4096x2160/50p, 4096x2160/60p, 4096x2160/100P, 4096x2160/120P Up to 10 bit
Color bit depth		Up to 10 bit
INPUT OUTPUT (Computer/Video/Control)	Display Port	4 inputs (HDCP 1.3 x 2, HDCP 1.3 for V Split x 2), Digital (RGB)
	TRIGGER	2 connectors, Mini jack, DC 12V Max.100 mA
	REMOTE	RS-232C, D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX
	IR IN / OUT	IN:1, Out:1, Mini jack
	SYNC	IN:1, Out:1
USB	Type A	
OSD languages		18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)
Acoustic noise		30 dB ~ 35 dB**
Operating temperature (Operating humidity)		5°C to 40°C (41°F to +104°F)/20% to 80% (no condensation)
Storage temperature (Storage humidity)		-10° to + 60° (14°F to +140°F)/20% to 80% (no condensation)
Power requirements		AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)
Power consumption		MAX. 1.2 kW
Power consumption (Standby Mode)		0.4 W (When "Remote Start" is set to "Off")
Power consumption (Networked Standby Mode)		0.6 W (LAN) (When "Remote Start" is set to "On")
Heat dissipation		4092 BTU/h
Dimensions (W x H x D)		550 x 228 x 750 mm (21 21/32 x 8 31/32 x 29 17/32 in) (without protrusions) 550 x 262 x 750 mm (21 21/32 x 10 5/16 x 29 17/32 in)
Mass		Approx. 40 kg / 88 lb (excluding lens)
Supplied accessories		RM-PJ29 Remote Commander (1), Size AA (R6), Manganese Batteries (2), AC Power Cord (1), Operating Instructions (CD-ROM) (1)

*1 Optional feature
 *2 This value is approximate. Depends on the projector setting condition and usage environment
 *3 The lenses are optional accessories
 *4 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz

For full product specifications and features please visit pro.sony.eu/visualisation



VPL-GTZ270

4K SXR D 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXR D imagery and laser light source technology, to create a projector with native 4K resolution, an extremely high contrast ratio, high dynamic range and wide colour space - ideal for visual entertainment applications including planetariums, theme parks, and museums.

- Exclusive SXR D chip provides native 4K resolution and high contrast ratio
- 'Reality Creation' upscaling
- HDR (High Dynamic Range)*
- Wide Colour Space - covers full DCI range and simulated BT2020
- 4K 3D capability
- Deep blacks reduce white band visibility for multi-projector blending
- Less maintenance



- Long life optics, up to 20,000h (up to 40,000h in low brightness mode)
- Dust resistance by sealed optics
- Constant brightness mode and periodic auto calibration for enduring image quality
- Angle-free installation
- Robust chassis for easy handling and self stack capability
- Whisper quiet operation less than 35dB

*Configurable function.

		VPL-GTZ270
Display system		4K SXR D panel, projection system
Display device	Size of effective display area	0.74" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*2	Focus	Powered
	Zoom	Powered
Light source		Laser diode
Light output		5,000 lm
Colour light output		5,000 lm
Contrast ratio	Dynamic	Up to 30,000:1**
	Native	Up to 20,000:1**
Accepted digital signals*3		VGA, SVGA, XGA, WXGA (1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i**4,1920x1080/60i**4, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p,3840x2160/50p**4, 3840x2160/30p**4, 3840x2160/60p, 4096x2160/24p, 4096x2160/30p**4, 4096x2160/50p, 4096x2160/60p
Color bit depth		Up to 12 bit via HDMI / Up to 10 bit via Display Port
INPUT OUTPUT (Computer/Video/Control)	HDMI	2 inputs (HDCP 2.2 x 2), Digital (RGB/Y Pb/Cb Pr/Cr)
	Display Port	2 inputs (HDCP 1.3 x 1, HDCP 1.3 for V Split x 1), Digital (RGB)
	TRIGGER	2 connectors, Mini jack, DC 12V Max.100 mA
	REMOTE	RS-232C, D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX
	IR IN / OUT	IN:1, Out:1, Mini jack
SYNC	IN:1, Out:1	
USB	Type A	
OSD languages		18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)
Acoustic noise		30 dB ~ 35 dB**
Operating temperature (Operating humidity)		5° to 40° (41°F to +104°F)/20% to 80% (no condensation)
Storage temperature (Storage humidity)		-10° to + 60° (14°F to +140°F)/20% to 80% (no condensation)
Power requirements		AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)
Power consumption		MAX. 1.2 kW
Power consumption (Standby Mode)		0.4 W (When "Remote Start" is set to "Off")
Power consumption (Networked Standby Mode)		0.6 W (LAN) (When "Remote Start" is set to "On")
Heat dissipation		4092 BTU/h
Dimensions (W x H x D)		550 x 228 x 750 mm (21 21/32 x 8 31/32 x 29 17/32 in) (without protrusions) 550 x 262 x 750 mm (21 21/32 x 10 5/16 x 29 17/32 in)
Mass		Approx. 40 kg / 88 lb (excluding lens)
Supplied accessories		RM-PJ29 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Operating Instructions (CD-ROM) (1)

*1 This value is approximate. Depends on the projector setting condition and usage environment
 *2 The lenses are optional accessories
 *3 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz
 *4 Available via HDMI input



For full product specifications and features please visit pro.sony.eu/visualisation

VPL-GTZ1	PrimeSupportPro	
Service Reference	PS.LASPROJJD.3	
Scope of Support	Projector	Optical Block & Laser
Duration	3 Years	7000h
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	
Logistics covered	✓	
Standard Repair	✓	
Express Loan unit	-	
Unit Swap	-	

VPL-GT100	PrimeSupportPro		PrimeSupportPro
Service Reference	Included Service PS.VPLGT100.3.L1		PSP.VPLGT100.5
Scope of Support	Projector	Lamp	Projector
Duration	3 years	1 year or 1000 h	+2 years (Total 5 years)
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	-	✓
Logistics covered	✓	-	✓
Standard Repair	✓	-	✓
Express Loan unit	-	-	-
Unit Swap	-	✓	-

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.

SRX-T615/T423	Warranty	PrimeSupportPro				
Service Reference	Warranty	PSP.TECHSUP.3 ⁽²⁾	PSP.TECHSUP.5 ⁽²⁾	PSP.EXPRESSPARTS.3 ⁽³⁾	PSP.EXPRESSPARTS.5 ⁽³⁾	PSP.ONSITEENG.1 ⁽⁴⁾
Duration	1 year	3 Years	5 Years	3 Years	5 Years	1 Day Onsite Engineer
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	-	✓	✓	-	-	-
Logistics covered	-	-	-	✓	✓	-
Standard Repair	✓	-	-	-	-	-
Contract Administration & Tech Support, Standard Hours ⁽²⁾	-	✓	✓	-	-	-
Express Parts ⁽³⁾	-	-	-	✓	✓	-
Initial Set-up & Configuration ⁽⁴⁾	-	-	-	-	-	✓

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.

⁽²⁾ Technical Support: 3/5 years callback from a Specialist Engineer (within 60 min) - 9:00 - 21:00 CET excluding Holidays. Gives access to Express Parts and On-Site engineer.

⁽³⁾ Express Parts: 3/5 years Critical repair parts shipped next business day for calls logged before 15:00 CET Monday-Friday. Excluding Christmas & New Year's day. Non critical parts are covered as non stock items and are subject to longer delivery times. Covers a single projector. Technical Support must be purchased to be able to purchase this product.

⁽⁴⁾ Initial Set-up & Configuration: 1 day site visit by a specialist engineer, who will undertake the initial set-up and configuration. Covers a single projector. Technical Support must be purchased to be able to purchase this product.

VPL-GTZ270/280	PrimeSupportPro		PrimeSupportPro		PrimeSupportElite			
Service Reference	PS.LASPROJJD.3		PSP.VPLGTZ270280.5		PSP.VPLGTZ270280.PREM.3		PSP.VPLGTZ270280.PREM.5	
Scope of Support	Projector	Optical Block & Laser	Projector	Optical Block & Laser	Projector	Optical Block & Laser	Projector	Optical Block & Laser
Duration	3 Years	7000h	2 Years repair Extension Total: 5 Years	12000h	Premium 3 years Contract	7000h	Premium 5 years Contract	12000h
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓		✓		✓		✓	
Logistics covered	✓		✓		✓		✓	
Standard Repair	✓		✓		-		-	
Contract Administration & Tech Support, Standard Hours ⁽²⁾	-		-		✓		✓	
Fast-track Repair ⁽³⁾	-		-		✓		✓	
Initial Set-up & Configuration ⁽⁴⁾	-		-		✓		✓	
Additional Services Discount	-		-		50% on 1x Additional Service		50% on 2x Additional Service	

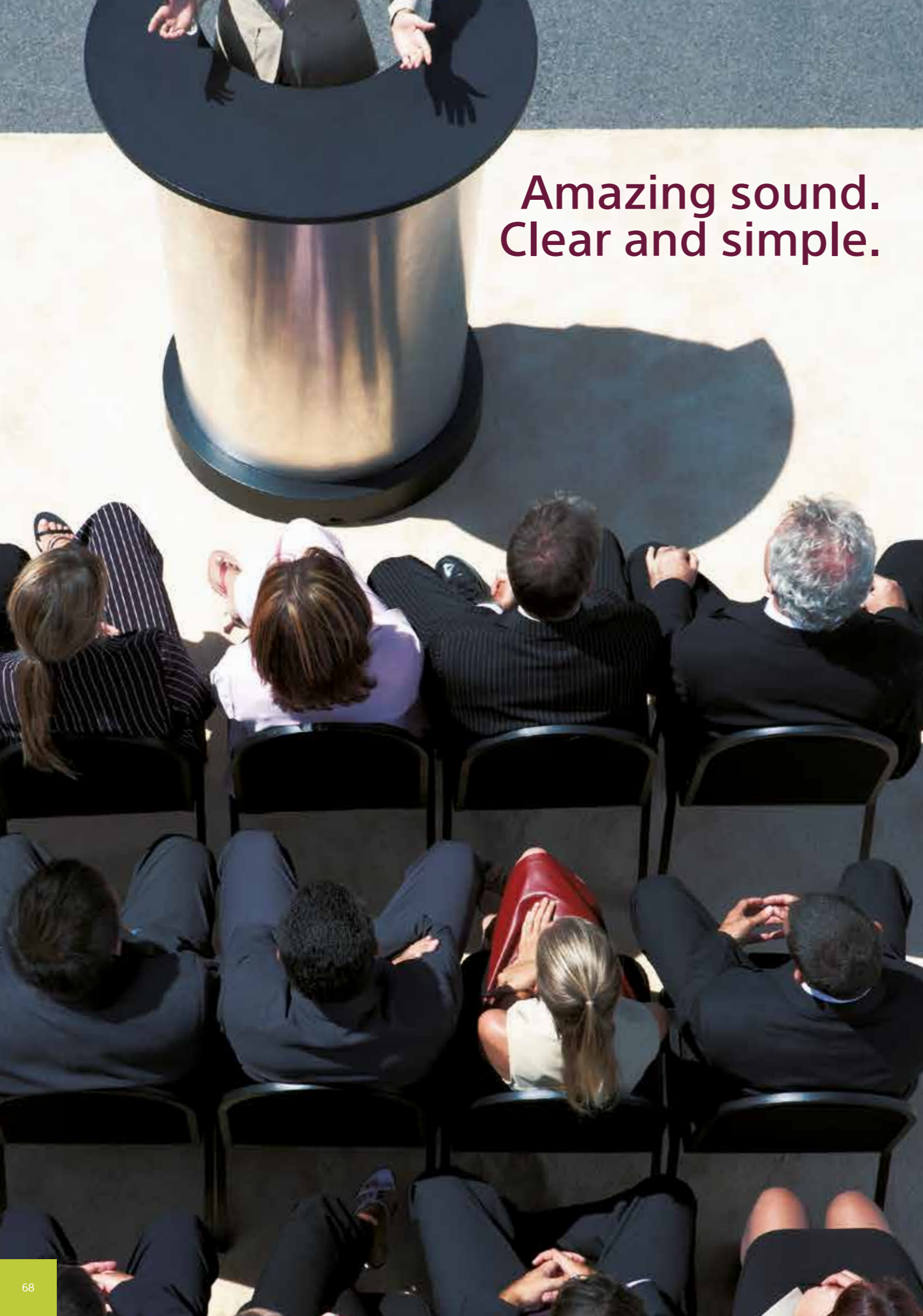
⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.

⁽²⁾ Technical Support: 3/5 years callback from a Specialist Engineer (within 60 min) - 9:00 - 21:00 CET excluding Holidays. Covers a single projector.

⁽³⁾ Fast track Repair: 3/5 years Off-site fast-track central repair with target of 1 week TAT for calls logged before 15:00 CET Monday-Friday. Covers a single projector.

⁽⁴⁾ Initial Set-up & Configuration: 1 day site visit by a specialist engineer, who will undertake the initial set-up and configuration. Covers a single projector.





Amazing sound.
Clear and simple.



Professional Audio

Sony's professional audio solutions include leading-edge digital and analogue wireless microphone systems and professional microphone packages.

DWZ Digital Wireless Microphone Series

The DWZ microphone series offers serious sound quality, with patented digital wireless audio transmission technology and world-leading microphone expertise.

Versatile, easy to set up and use, DWZ is highly regarded for its stability and reliability. It's available in two different versions: for venues including congress centres, schools, universities, community halls, churches, hotels, board rooms and small theatres.

Highlights

- 'One World One Frequency' at 2.4GHz for transmission of 24-bit/48KHz linear PCM for the best audio quality.
- Interchangeable microphone head on the ZTC-M02RC handhelds is designed for using third-party capsules.
- Great features like the Intelligent Feedback Reducer can suppress unwanted feedback with high-performance DSP and the AES 128-bit standard encryption technology secures transmitted signals.





	DWZ-M70	DWZ-B70HL
Transmitting		
Transmitter Type	Handheld	Bodypack
Carrier Frequencies	2402.0-2478.5 MHz	
RF Power Output	10mW (e.i.r.p)	
Receiving		
Receiver Type	Rack-mount (Half / 1 channel)	
Reception Type	Space diversity	
Antenna Type	External whip antenna	
Receiving Frequencies	2402.0-2478.5 MHz	
RF Sensitivity	24 dBµV or less	
Audio		
Capsule Type	Dynamic	Electret condenser
Directivity	Uni-directional	
Maximum Input Level	142 dB SPL (with 12 dB attenuator)	MIC: -22 dBu INST/LINE: +8 dBu (when attenuator level is 0 dB)
Audio Attenuator Adjustment Range	0 / 6 / 12 dB	0 / 10 / 20 dB
Frequency Response	Transmission: 10 Hz to 22 kHz Microphone unit: 70 Hz to 16 kHz	Transmission: 10 Hz to 22 kHz Headset microphone: 60 Hz to 18kHz Lavalier microphone: 60 Hz to 18kHz
Dynamic Range	102 dB (A-weighted)	MIC: 102 dB (A-weighted) / INST/LINE: 98 dB (A-weighted)
Audio Delay	Narrow band mode: Approx. 3 ms / Wide band mode: Approx. 6 ms (Transmitter + Receiver) (Additional Audio Delay for Intelligent Feedback Reducer / Low: 0 ms, Mid: 8 ms, High: 16 ms)	
Distortion (T.H.D)	0.03% or less (-38 dBu, 1 kHz input)	
Analogue Output	XLR-3-32, balanced (x1) / Phone jack, unbalanced (x2) (Intelligent Feedback Reducer is available)	
Reference Output Level	Balanced output: MIC: -58 dBu / LINE: -12 dBu, Unbalanced output: -28 dBu	
Other Equipment		
Encryption	AES 128-bit	
Display	LCD	
USB Port (for firmware update)	TX x1 / RX x1	
General		
Power Requirements	ZTX-M02RC: 3.0 V DC (two LR6 (size AA) alkaline dry cell batteries) *Rechargeable function is available with two HR6 (size AA) Ni-MH rechargeable batteries ZRX-HR70: External DC input: 12 V DC	ZTX-B02RC: 3.0 V DC (two LR6 (size AA) alkaline dry cell batteries) *Rechargeable function is available with two HR6 (size AA) Ni-MH rechargeable batteries ZRX-HR70: External DC input: 12 V DC
Battery Operating Time	Approx. 10 hours of continuous use (25 °C (77 °F) ambient temperature, Sony LR6 (size AA) alkaline dry cell batteries)	
Operating Temperature	0°C to 50°C / 32°F to 122°F	
Storage / Transport Temperature	-20°C to +60°C / -4°F to +140°F	
Dimensions	ZTX-M02RC: 48 x 258 mm (1 15/16 x 10 1/4 inches) (diameter/length) ZRX-HR70: 168 x 44 x 96 (6 5/8 x 1 3/4 x 3 7/8 inches) (w/h/d)	ZTX-B02RC: 63 x 87 x 20 mm (2 1/2 x 3 1/2 x 13/16 inches) (w/h/d) (excluding the antenna) ZRX-HR70: 168 x 44 x 96 (6 5/8 x 1 3/4 x 3 7/8 inches) (w/h/d)
Mass	ZTX-M02RC: Approx. 308 g (11 oz.) (including batteries) ZRX-HR70: Approx. 510 g (1 lb. 2.0 oz.)	ZTX-B02RC: Approx. 162 g (5.7 oz.) (including batteries) ZRX-HR70: Approx. 510 g (1 lb. 2.0 oz.)
Supplied Accessories	ZTX-M02RC (1), ZRX-HR70 (1), Mic holder (1), Antenna (2), AC adapter (1), Quick Start Guide (1), Before Use (1), CD-ROM (1)	ZTX-B02RC (1), ZRX-HR70 (1), Uni-directional Lavalier Microphone (1), Uni-directional Headset Microphone (1), Mic holder clip (1), Cord Clip (1), Wind Screen (1), Belt Clip (1), Belt Clip Screw (1), Antenna (2), AC adapter (1), Quick Start Guide (1), Before Use (1), CD-ROM (1)

DWZ-B70HL DWZ-M70	PrimeSupportPro	PrimeSupportPro	PrimeSupportPro
Service Reference	PS.PACK2.12X.1	PSP.A.OAPOMP.1ER	PSP.A.OAPOMP.2ER
Duration	2 years	1 Year repair Extension Total 3 years	2 Years repair Extension Total 4 years
PrimeSupport Helpdesk Standard Hours ⁽¹⁾	✓	✓	✓
Logistics covered	✓	✓	✓
Standard Repair	✓	✓	✓
Express Loan unit	-	-	-
Unit Swap	-	-	-

⁽¹⁾ PrimeSupport Helpdesk: Monday to Friday 09:00-18:00 CET Excluding Christmas, Boxing day and New Year's day.



- BC-DWZ1**
Battery charger
- RMM-HRD1**
Rack mount kit
- ECM-HZ1UBMP**
Headset mic
- ECM-LZ1UBMP**
Lavalier mic
- EC-1.5BX XLR**
Input cable




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