

Specifications

	VPL-SW225	VPL-SW235	VPL-SX225	VPL-SX235
Display system	3 LCD system			
Display device - Size of effective display area	0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3
Display device - Number of pixels	3,072,000 (1280 x 800 x 3) pixels	3,072,000 (1280 x 800 x 3) pixels	2,359,296 (1024 x 768 x 3) pixels	2,359,296 (1024 x 768 x 3) pixels
Projection lens - Focus	Manual			
Projection lens - Throw ratio	0.46:1			
Light source	Ultra high pressure mercury lamp 210 W type			
Recommended lamp replacement time*1	4000 H / 6000 H / 10000 H (Lamp mode: High / Standard / Low)			
Filter cleaning cycle*1	Max. 7000 H			
Screen size	57" to 103" (1.45m to 2.62m)	57" to 103" (1.45m to 2.62m)	60" to 110" (1.52 m to 2.79 m)	60" to 110" (1.52 m to 2.79 m)
Light output (Lamp mode: High / Standard / Low)	2600 lm / 2100 lm <sup>2</sup> / 1700 lm <sup>2</sup>	3000 lm / 2100 lm <sup>2</sup> / 1700 lm <sup>2</sup>	2700 lm / 2000 lm <sup>2</sup> / 1600 lm <sup>2</sup>	3200 lm / 2400 lm <sup>2</sup> / 1900 lm <sup>2</sup>
Color light output (Lamp mode: High / Standard / Low)	2600 lm / 2100 lm <sup>2</sup> / 1700 lm <sup>2</sup>	3000 lm / 2100 lm <sup>2</sup> / 1700 lm <sup>2</sup>	2700 lm / 2000 lm <sup>2</sup> / 1600 lm <sup>2</sup>	3200 lm / 2400 lm <sup>2</sup> / 1900 lm <sup>2</sup>
Contrast ratio (full white / full black)*2	3000:1			
Fan Noise	High 35dB / Standard 32dB / Low 30dB			
Displayable scanning frequency - Horizontal	14 kHz to 93 kHz			
Displayable scanning frequency - Vertical	47 kHz to 93 kHz			
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: 1280 x 800 dots	Maximum display resolution: UXGA 1600 x 1200 dots*4 Panel display resolution: 1024 x 768 dots	Maximum display resolution: UXGA 1600 x 1200 dots*4 Panel display resolution: 1024 x 768 dots
Display resolution - Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, The following signals 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	Vertical: Max. +/- 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)			
Computer and video signal input/output INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
Computer and video signal input/output INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
Computer and video signal input/output INPUT C	HDMI input connector: HDMI 1.9-pin, HDCP support Audio input connector: HDMI audio support			
Computer and video signal input/output S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)			
Computer and video signal input/output VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)			
Computer and video signal input/output OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)			
Control signal input/output, Others	RS-232C connector: D-sub 9-pin (male) LAN connector: RJ-45, 10BASE-T/100BASE-TX USB: Type-A, Type-B Microphone input: Mini jack			
Speaker	16 W x 1 (monaural)			
Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (20% to 80%)			
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 (Lamp mode: High / Standard / Low) AC 100 V to 120 V	291 W / 251 W <sup>2</sup> / 219 W <sup>2</sup>	315 W / 251 W <sup>2</sup> / 219 W <sup>2</sup>	305 W / 251 W <sup>2</sup> / 219 W <sup>2</sup>	308 W / 251 W <sup>2</sup> / 219 W <sup>2</sup>
Power consumption (Lamp mode: High / Standard / Low) AC 220 V to 240 V	281 W / 242 W <sup>2</sup> / 212 W <sup>2</sup>	302 W / 242 W <sup>2</sup> / 212 W <sup>2</sup>	294 W / 242 W <sup>2</sup> / 212 W <sup>2</sup>	297 W / 242 W <sup>2</sup> / 212 W <sup>2</sup>
Standby mode power consumption (Standby mode: Standard / Low) AC 100 V to 120 V	4.9 W / 0.5 W			
Standby mode power consumption (Standby mode: Standard / Low) AC 220 V to 240 V	5.1 W / 0.5 W			
Heat dissipation AC 100 V to 120 V	993 BTU	1075 BTU	1041 BTU	1051 BTU
Heat dissipation AC 220 V to 240 V	959 BTU	1031 BTU	1004 BTU	1014 BTU
Outside dimensions	W 365 x H 138.7 x D 310 mm (W 14 3/8 x H 5 15/32 x D 12 7/32 inches) (without protrusions)			
Mass	4.4 kg / 9 lb 10 oz			
Supplied accessories	RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Projector Station for Network Presentation application (CD-ROM) (1)			
Optional wireless module (WLAN)	IFU-WLM3			
Replacement lamp	LMP-E212			

\*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 This value is average.  
 \*4 Available for the VESA Reduced Blanking signal.  
 \*5 Not available in standby. From INPUT A and INPUT B.  
 \*6 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full features visit:  
[www.pro.sony.eu/projectors](http://www.pro.sony.eu/projectors)

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HCT\_VPL S Series\_ShortThrowDatasheet\_J2755\_UK\_17/04/14\_V6

SONY

Key Features

- Short throw distance of 0.46:1**  
75cm (XGA) or 79cm (WXGA) for 80-inch image.
- 3LCD Colour Light Output colour reproduction, high brightness and high contrast ratio**  
2600~3200 lumens brightness with native WXGA or XGA screen resolution. Choose from three brightness modes to suit any environment, from bright daylight to darkened rooms. The projector has a contrast ratio of approximately 3000:1 full white/full black.
- Long-lasting lamp**  
10000 hours in Low mode.
- Wireless presentation with tablet (iOS or Android)**  
The wireless presentation capability makes it easy to present files from your tablet device or smart phone.

# S-Series short throw projectors

Projectors for education and corporate environments



Choose from three brightness modes to suit any environment from bright daylight to darkened rooms  
 The S-Series short throw projectors have a number of features to present high quality images while keeping low TCO. This includes brightness of 2600~3200 lumens, so images can be clearly seen even in a bright room.

Constant Brightness function extends the brightness of the projector over a long period of time. While energy-efficient technologies extend lamp replacement time to 10000 hours (in Low mode). The projector also needs only 75cm (XGA) or 79cm (WXGA) to display a large 80-inch image, which fits perfectly in front of a white board leaving plenty of space. With the fuss-free installation and achievement of less glares or shadows during presentation, the short throw projector offers excellent usability.

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## Features

**Short throw distance**

The S-Series projectors offer a 0.46:1 throw ratio that produces a 2.03m (80-inch) diagonal screen size image from only 75cm (XGA) or 79cm (WXGA) (29-inch-31-inch) away from the screen.

**High image quality 3LCD natural and vivid colour images**

Thanks to the optical system projecting three basic colours constantly each, the projector offers excellent light efficiency, which ensures colourful and bright images. High colour reproducibility is important especially when using colourful content, such as materials used in classrooms.

**High contrast ratio**

The projector has a high contrast ratio of approximately 3000:1 full white/full black. This is the contrast ratio between the maximum white luminance and the minimum black luminance for the projection system.

**High brightness of 2600~3200 lumen in High lamp mode**

The S-Series projectors feature three brightness modes for different use – 'High' for naturally white presentations in bright rooms, 'Standard' for everyday use, and 'Low' for video in darkened rooms. The native XGA (1024 x 768) 4:3 screen resolution panel (VPL-SX225 & VPL-SX235) or WXGA (1280x800) 16:10 widescreen resolution panel (VPL-SW225 & VPL-SW235) is perfect for presentations direct from a laptop PC or DVD video player.

**Energy efficient with long-lasting lamp of 10000 hours**

The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp time of 10000 hours with the brightness of lamp mode low. The lamp time is extended more than 66%, compared to the previous model.

**Advanced energy-saving features**

Advanced lamp technology enables robust energy-saving features. For example, greater brightness control in Auto Light Dimming mode saves considerable energy when the projector is left on without being used. During projection, Auto Picture Mode automatically adjusts light output to suit the projected scene. When you need to mute the picture temporarily, light output can be completely deactivated to minimise energy consumption.

**Network presentation (LAN/Wireless LAN)**

When the projector is installed on a LAN/Wireless LAN, presentations can be projected from any PC and Mac on the network. A tablet or smart phone can be connected at the same time. The wireless presentation capability makes it easy to present files from your tablet device or smart phone. You can project jpg, pdf and other supporting formats. Up to four users can project PC/Mac images simultaneously, while up to seven users can connect to one projector. For Windows/Mac, an application "Projector Station for Network Presentation" is provided. For tablet/smartphone, an application is provided by Pixelworks, downloaded from the web. For details, please visit the following website:

<http://PWPresenter.pixelworks.com>

**Remote control for iOS device**

Projector Remote is simple remote control app for Sony's projectors. Networked projectors can be controlled by this remote app. Remote Control allows you to operate the projector with simple and easy-to-read buttons.

**Networked control**

Projector functions and status can also be managed and monitored remotely from any user's PC on the network. For Windows, an application "Projector Station for Network Control" is provided.

**USB Media viewer**

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

**USB display**

The projector allows you to display pictures and audio<sup>1</sup> with one USB cable. You do not need to install any driver for this function. It is a convenient way to connect to the projector when you want to connect easily.

**Built-in speaker**

The projector includes a 16W monaural speaker.

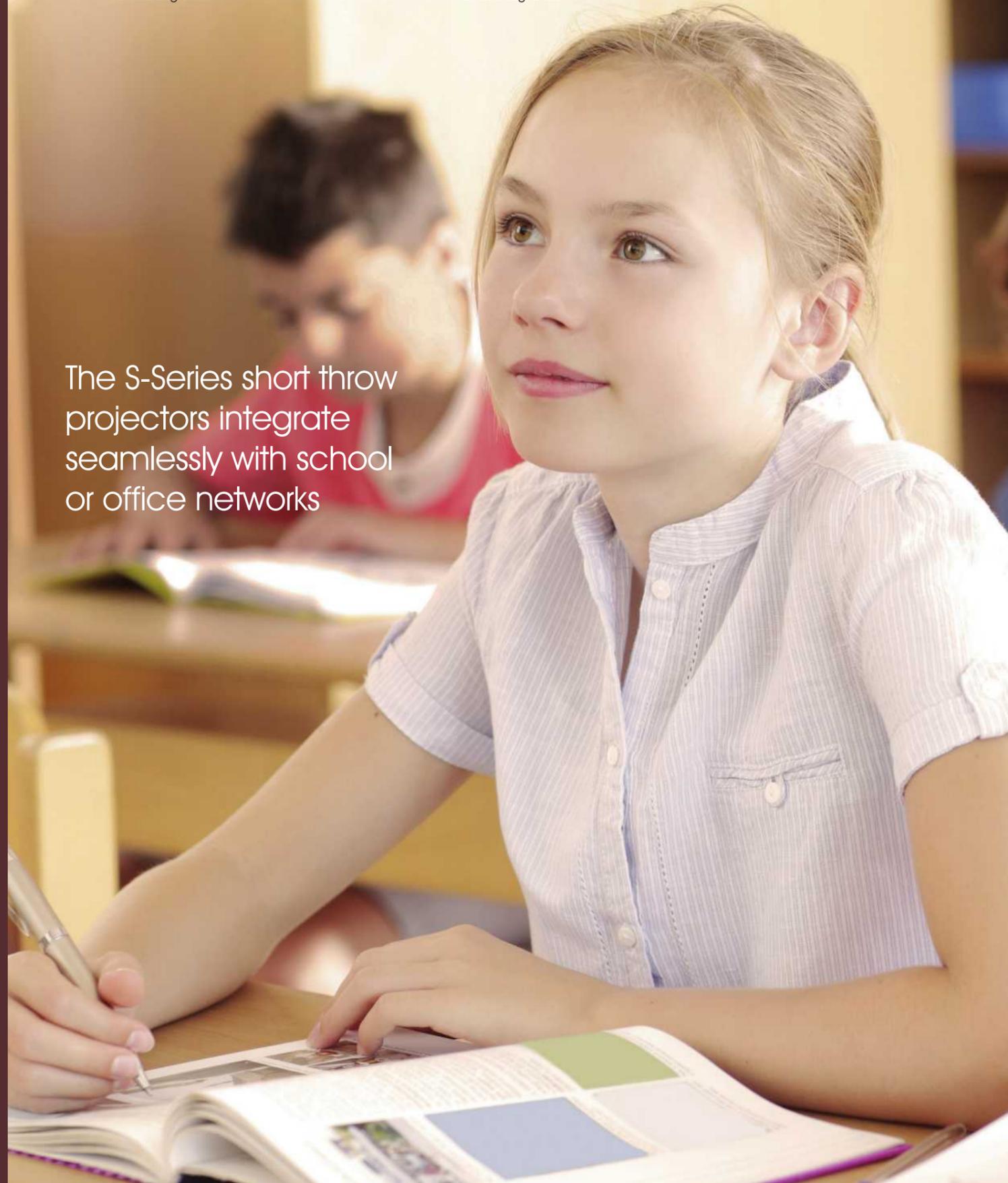


**VPL-SW225 / VPL-SX225**  
WXGA and XGA with 2600~2700  
lumens brightness



**VPL-SW235 / VPL-SX235**  
WXGA and XGA with 3000~3200  
lumens brightness

The S-Series short throw projectors integrate seamlessly with school or office networks



<sup>1</sup> There is a time lag in video and audio. When not in simple use, it is recommended to use Line-in or HDMI-in.

