SONY

VPL-SW600 Series
VPL-SX600 Series

Ultra Short Throw Projectors

VPL-SW636C   VPL-SW631
VPL-SW631C   VPL-SX631

3LCD   BrightEra™   HDMI

Sony's User-friendly Ultra Short Throw Projectors Make It Easier for Everyone to Collaborate Effectively

VPL-SW600/SX600 Series Ultra Short Throw Projectors are ideal for classroom or corporate use, with simple, flexible installation and plenty of interfaces for connection with other devices.

Advanced 3LCD BrightEra™ panel technology by Sony and powerful 3,300 lumen brightness improve the visual impact; colors are richer and images are much clearer and show high contrast.

With models offering Dual Pen Interactivity, up to two people can write on-screen at the same time. In addition, the VPL-SW636C can be used PC-free, enabling spontaneous interactivity between the presenter and participants. When required, any dual-pen input can be saved to a PC as a readable file. These capabilities ensure presenter satisfaction and boost participant performance.

In addition, the extended lamp replacement time of up to 10,000 hours allows for synchronized filter and lamp maintenance, minimizing costs and reducing downtime.

FEATURES

Installation Advantages

Ultra Short Throw Projection

Each projector is equipped with an ultra-short focal length lens, which makes it possible to project images from a very short distance[1]. The presenter is not distracted by the projected image, and the audience can see the projected image more easily as this feature minimizes the chance of the presenter casting a shadow on the screen.


With conventional models
(normal throw)

With the VPL-SW600/SX600 Series
(ultra-short throw)
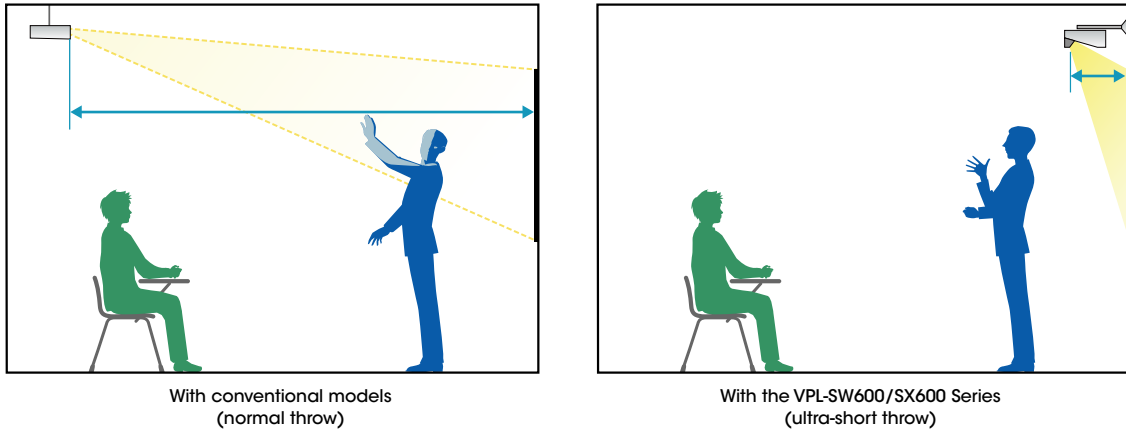
The VPL-SW600/SX600 Series offers installation flexibility so these projectors are ideal for many different applications.

Wall-mounted

Table-mounted

Floor standing
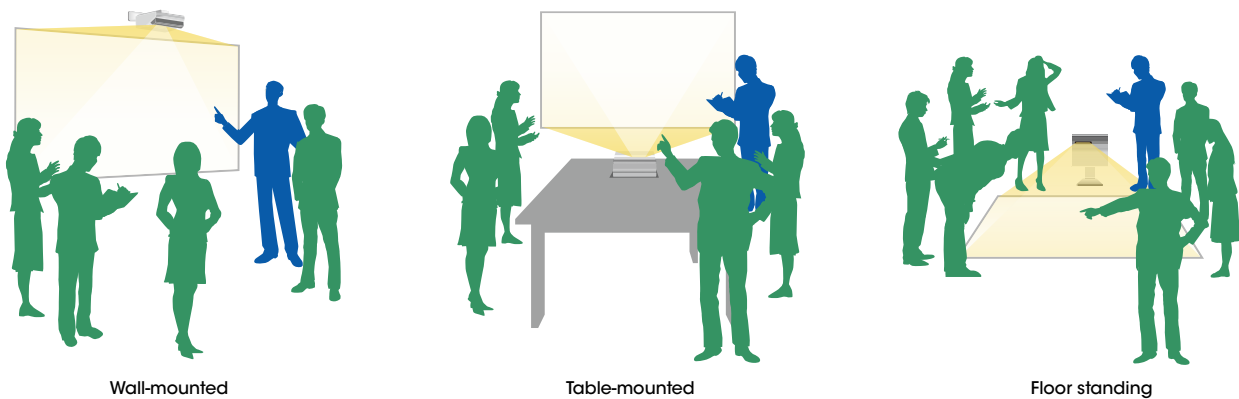
Fine Lens Shift/Lens Zoom

VPL-SW600/SX600 Series projectors are equipped with an optical zoom and lens shift capability. Using this function, the position of the projected image can be easily adjusted to the desired settings during installation. Very little effort is required to make adjustments after set-up. This greatly reduces the time and hassle of fine-tuning the image position without having to physically move the projector or sacrifice image quality. In addition, these projectors ship with an original wall mounting from Sony which allows adjustment of projector of projector pitch, roll, and yaw.


Lens shift function
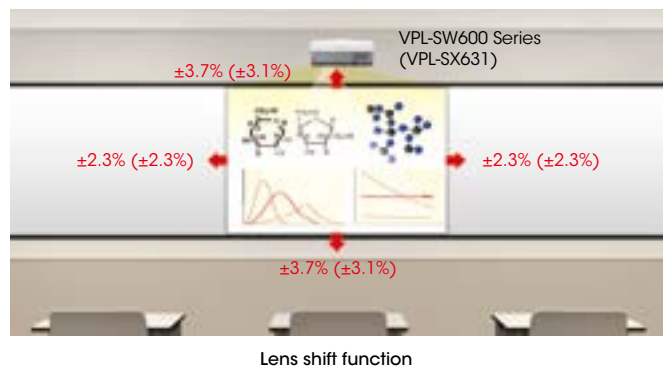
Simulated images

[1] Minimum distance of 44 cm with the VPL-SX631

High Image Quality

3LCD BrightEra™ Natural and Vivid Color Images

Thanks to the optical system constantly projecting three basic colors, the projector offers excellent light efficiency and this, ensures colorful and bright images. Sony's BrightEra panels deliver improved panel light resistance, higher resolution, high brightness, and increased panel reliability. High color reproducibility is important especially when using colorful content, such as materials typically used in classrooms.
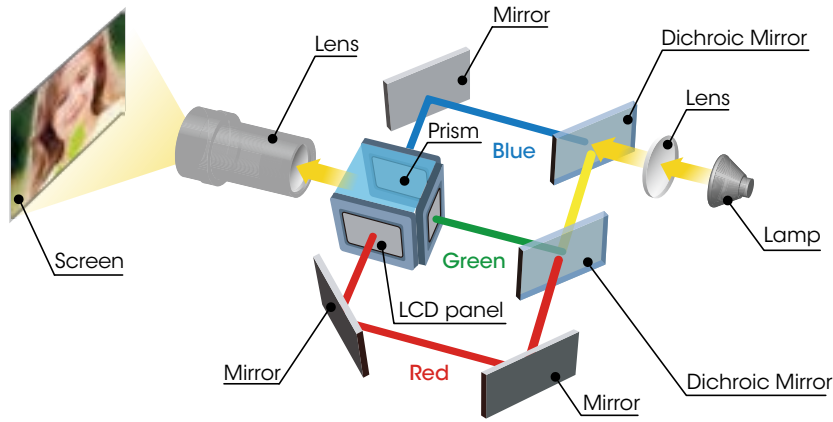
3LCD Projection System

Various Picture Modes for Optimal Picture Quality

The projector has six available picture modes for correct picture quality: Dynamic, Standard, Presentation, Blackboard, etc. With six picture modes and three brightness modes, you can select the most suitable picture / brightness combinations (according to your picture source and environment) to, create an optimal image every time.

Dynamic

Emphasizes contrast to produce a dynamic and vivid picture.

Standard

Delivers an image that is natural and well balanced.

Presentation

Provides a bright image, suitable for presentations.

Blackboard

Produces an image suitable for displaying on a blackboard.

New Gamma Mode for Rich Colors
(Picture Mode: Dynamic)

To realize rich color and clear images in a variety of content, these projectors include a new and improved gamma curve for pictures. There is very obvious improvement in picture color (which is much richer) and in text and images (with high contrast and greater clarity).
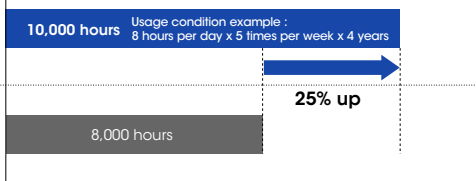
Conventional models	New models

Good TCO, Energy-efficient Design

Long-lasting Lamp

By incorporating a high-performance lamp and advanced lamp-control technology, these projectors deliver an extremely long lamp replacement time of 10,000 hours[1].

VPL-S600 series

10,000 hours Usage condition example : 8 hours per day x 5 times per week x 4 years

25% up

Conventional Model 8,000 hours

Recommended lamp replacement time*

Lamp mode: low
Complies with IEC61947 standard

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

Auto Power Saving Function

• Auto Mode (Auto Brightness Adjustment Function)

The brightness of the lamp's output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. When showing darker images that don't require high brightness, lamp output decreases.

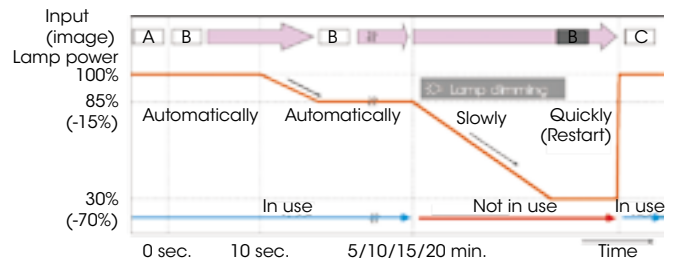Lamp drive
High

Simulated images
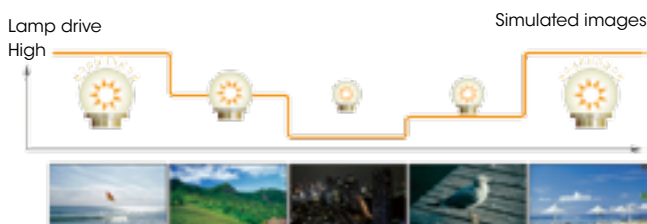
• Blank

The VPL-SW600/SX600 Series projectors can temporarily disable video signal output. This function can be easily operated with just the touch of a button on the supplied Remote Commander™ unit. In addition, this function allows blank image projection with low power consumption using lamp control technology.

Lamp Drive	Projection	Blank	Projection

Normal condition (100%)
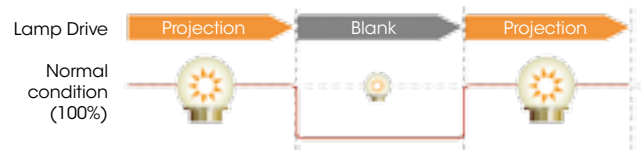
• Lamp Dimming Function

After 10 seconds of a static signal feed, the lamp dims by approximately 15%. After a configurable set period of time, this function dims the lamp to as low as approximately 30% of original brightness.

Input (image)
Lamp power
100%
85% (-15%)
Automatically   Automatically   Slowly   Quickly (Restart)
Lamp dimming
30% (-70%)
In use   Not in use   In use
0 sec.   10 sec.   5/10/15/20 min.   Time

Lamp and Filter Synchronized Maintenance

The expected lamp maintenance time for each model can reach up to 10,000 hours depending on the selected lamp mode, and dust filters require the same maintenance interval. Synchronizing the timing of lamp and filter maintenance enables users to reduce the numbers of "ladder climbs" for maintenance.

ECO MODE Key

With a single push of the ECO MODE key on either the projector or the supplied Remote Commander unit, users can select an energy-saving setting from the ECO Mode menu.

*1 Approximate recommended period, in low mode.

Ease of Use

Network Presentation (LAN)

When the projector is installed in a 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. You can project jpg, pdf, and other supported formats. Up to four users can project PC / Mac images simultaneously, while up to eight[*1] users can connect to one projector.
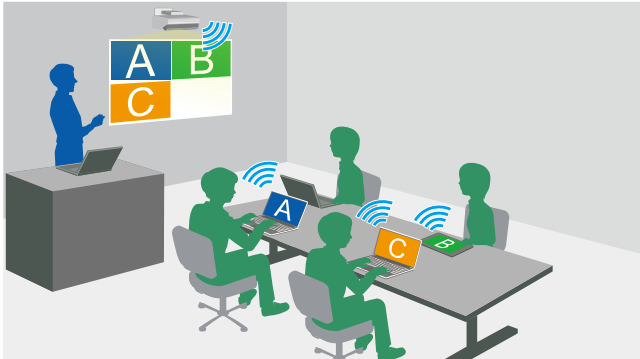
Compatible operating systems: MS Windows, Mac, Android, iOS

Wireless Presentation Software

For Windows® / Mac OS: Projector Station for Network Presentation
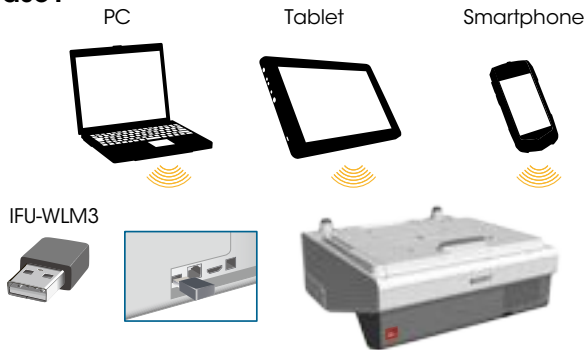
Network Presentation

For iOS / Android™: VueMagic™[*2]

VueMagic
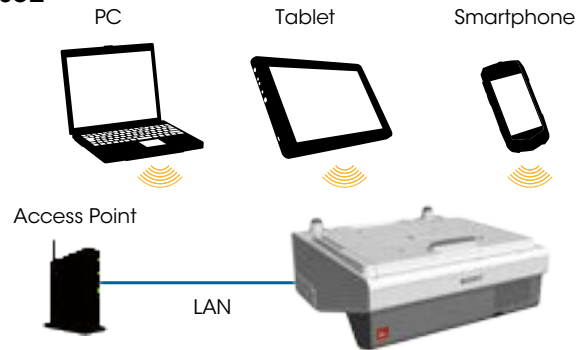
*1 Up to seven users for wireless.

*2 The application for tablets and smartphones is provided by Pixelworks. For details, please visit the following website: http://PWPresenter.pixelworks.com

Case1

PC   Tablet   Smartphone

IFU-WLM3

For wireless connection, the IFU-WLM3 is required.

Case2

PC   Tablet   Smartphone

Access Point

LAN

Remote Control for iPhone/iPad/Android

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

* Projector Remote Application
  Download FREE today.

Projector Remote

USB Media Viewer

By attaching a USB memory device to the VPL-SW600/SX600 Series USB connector, users can directly project data files stored on this memory device, without requiring a PC.

Supported file formats are JPG, BMP, PNG, TIF, and GIF.

USB Display

The projector allows you to display pictures and audio* with one USB cable. You do not need to install any driver for this function. This is a convenient and very easy way to connect to the projector.

* There is a time lag in video and audio. Beyond basic usage, Line-in or HDMI-in is recommended.

Input Label

Input label which appear in the input menu on screen can be customized. This gives users a clear understanding of which equipment is connected.
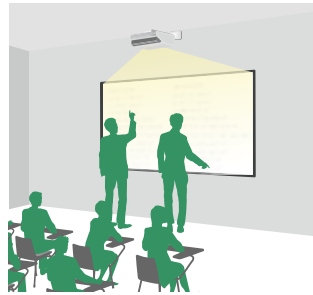

Input
- BD Player
- Doc Camera
- Set Top Box
- PC

Interactive Function (VPL–SW636C, VPL-SW631C)

The interactive function of the VPL-SW636C and VPL-SW631C allows presentation files to be controlled using an interactive pen. By combining one or two pens and the included IPU2 software, you can write and draw on the presentation screen.

Moreover, in the VPL-SW636C's PC-free interactive mode, you don't even need a connected PC to control the on-screen presentation, and you can save the data drawn using the projector's white board function. In addition, you can read data from a PC via USB connection; this means that, class and meeting attendees can spontaneously share their latest information with each other during a presentation. Clearly, this level of instant interactivity can improve class' performance and ensure high levels of user satisfaction.

File control by interactive pen   Dual-pen application

Other Features

Closed Captioning
Official teletext broadcasting, developed by the NCI, USA

Network and Control
Controls and monitors projector status
Compatible with various control systems

OPTIONAL ACCESSORIES

LMP-E220
Projector Lamp
(for replacement)

IFU-PN250A/250B
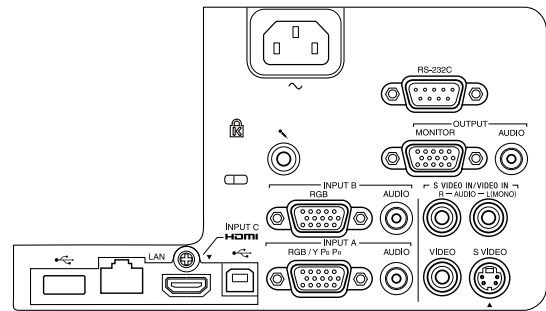Interactive Pen Device
(VPL-SW636C/SW631C only)

PSS-645
Ceiling Mount

IFU-WLM3
USB Wireless LAN Module

CONNECTOR PANELS

DIMENSIONS

Unit: mm (inches)

372 (14 21/32)
109 (4 9/32)
93.8 (3 11/16)
382 (15 1/32)

Center of the projection window

Center of the projection window

167 (6 9/16)
157.3 (6 3/16)
153 (6 1/32)
138 (5 7/16)
121.9 (4 13/16)
131.6
153 (5 3/16)
164.6 (6 15/32)
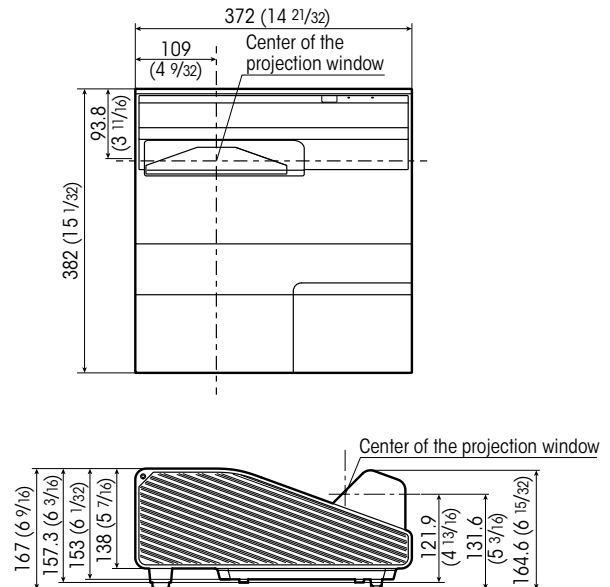
SPECIFICATIONS

		VPL-SW636C	VPL-SW631C	VPL-SW631	VPL-SX631
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" (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	Zoom	Manual (Approx. x 1.03)			
	Focus	Manual			
	Lens shift	Manual, Vertical: +/- 3.7%, Horizontal: +/- 2.3%			Manual, Vertical: +/- 3.1%, Horizontal: +/- 2.3%
	Throw ratio	0.27:1			
Light source		Ultra high pressure mercury lamp 225 W type			
Recommended lamp replacement time*1		4000 H / 6000 H / 10000 H (Lamp mode: High / Standard / Low)			
Filter cleaning cycle*1		Same time as the lamp replacement is recommended			
Screen size		65" to 110" (1.65 m to 2.79 m)			70" to 115" (1.78 m to 2.92 m)
Light output (Lamp mode: High / Standard / Low)		3300 lm / 2300 lm*2 / 1900 lm*2			3300 lm / 2600 lm*2 / 2100 lm*2
Color light output (Lamp mode: High / Standard / Low)		3300 lm / 2300 lm*2 / 1900 lm*2			3300 lm / 2600 lm*2 / 2100 lm*2
Contrast ratio (full white / full black)*3		3000:1			
Displayable scanning frequency	Horizontal	15 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			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*7, 1080/50p*7			
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL-60			
Keystone correction	Vertical	Max. +4/-1 degrees	Max. +/- 5 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), 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			
	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*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%; 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 1.6 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, 3.3 A to 1.5 A, 50 Hz / 60 Hz	
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	341 W / 274 W*2 / 266 W*2	338 W / 271 W*2 / 242 W*2	330 W / 261 W*2 / 231 W*2	305 W / 261 W*2 / 232 W*2
	AC 220 V to 240 V	328 W / 245 W*2 / 239 W*2	324 W / 262 W*2 / 234 W*2	320 W / 252 W*2 / 224 W*2	294 W / 252 W*2 / 225 W*2
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")			
	AC 220 V to 240 V	5.6 W (LAN), 6.2 W (optional WLAN module), 6.4 W (all terminals and networks connected) (when "Standby mode" is set to "Standard")			
Heat dissipation	AC 100 V to 120 V	1163 BTU	1153 BTU	1126 BTU	1041 BTU
	AC 220 V to 240 V	1119 BTU	1105 BTU	1092 BTU	1003 BTU
Outside dimensions		W 372 x H 138 x D 382 mm (W 14 21/32 x H 5 7/16 x D 15 1/32 inches) (without protrusions)			
Mass (without wall mount)		6.3 kg / 14 lb	6.2 kg / 14 lb	6.0 kg / 13 lb	
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operation Instructions (CD-ROM) (1), Quick Reference Manual (1), Projector Station for Network Presentation application (CD-ROM) (1), Interactive pen device (2) (VPL-SW636C/SW631C only), Size AAA (R03) manganese batteries (4) (VPL-SW636C/SW631C only), USB A-B cable (5 m) (1) (VPL-SW636C/SW631C only), Interactive Presentation Utility 2 application (CD-ROM) (1) (VPL-SW636C/SW631C only)			
Replacement lamp		LMP-E220			
Replacement interactive pen device		IFU-PN250A, IFU-PN250B		–	

*1 These are expected maintenance times and not guaranteed; actual figures depend on the environment and 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. *7 These items are available for digital signal (HDMI input) only.

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