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VPL-E Series Data Projectors

VPL-EX120 Data Projector

3LCD BrightEra™

The VPL-EX120 data projector has been designed to deliver a low total cost of ownership and includes energy saving features, thanks to a long-lasting lamp design and low power consumption.

The projector uses the Sony next generation inorganic panels (BrightEra) with their 3LCD projector system to deliver higher picture quality and clear image projection – ideal for mid-sized classrooms or boardrooms. It also offers native XGA resolution for high quality image performance with a high brightness of 2600 lumens.

With a 1.3x zoom lens and 1.4 ~ 1.82 throw ratio, the VPL-EX120 can be installed in a wide range of corporate and teaching environments – it can even re-use existing ceiling suspensions.

Key Features

3LCD BrightEra™ Technology
This innovative inorganic panel technology was designed by Sony to deliver improved panel light resistance, higher brightness, higher resolution and increased panel reliability.

Long Lasting Lamp
By incorporating a newly developed high-performance lamp and advanced lamp-control technology, the projector delivers an extremely long lamp replacement time of 6,000 hours*.

ECO MODE Button
With a single push of the ECO MODE button on either the projector or the supplied Remote Commander™ unit, users can switch to the ECO setting.

3 Colour Light Output Modes 2600/2100/1700 Lumens
Colour Light Output is a metric that measures a projector's ability to deliver colour.

Off and Go
The projector is ready to be unplugged as soon as it is switched off. There is no need to wait for the fan to turn off.

Direct Power On/Off
Direct power control using a circuit breaker on the switch board.

Picture (Audio) Muting
Mutes the image/audio.

Power Saving Mode
If no signal is input for 10 minutes, the projector lamp will automatically turn off.

Image Freeze Function
The Image Freeze function can display a freeze frame to allow the presenter to prepare or switch to the next image.

Other Features

Lamp and Filter Synchronised Maintenance
Like the lamp, the air filter has an approximate 6,000-hour cleaning cycle. The filter only needs to be clean when the lamp is changed, saving maintenance effort and cost.

6 Picture Modes
Selectable six picture modes according to the picture source.

Auto Keystone Adjustment
Corrects any trapezoidal distortion automatically.

* Approximate recommended period, in low mode.

PrimeSupport

All Sony Professional's business projectors sold into the EU, Norway and Switzerland come supplied with a 3 year PrimeSupport pack. This offers unique services and benefits over and above standard warranty:-

3 Years Cover
Freephone telephone helpdesk support (00800 7898 7898) in 5 languages. Collection, repair and return anywhere in EU,

Norway and Switzerland. In addition, optional PrimeSupport Plus packs can be purchased which can further enhance the 3 year support to give extra peace of mind:-

• A 2 year extension of the standard 3 year PrimeSupport to give long-term assurance of expert support, technical assistance and repairs for 5 years from purchase date.

• Provision of a loan unit for 3 or 5 years cover to ensure minimal impact to the customer's business in case of product failure.
• Cover for a lamp failure throughout the 3 year PrimeSupport term for customers who don't want to have any unexpected running costs.

Prime Support

Prime Support Plus

Technical Specifications

Specifications		VPL-EX120
Display system		3 LCD system
Display device	Size of effective display area	0.63" (16.0 mm) x 3, BrightEra, Aspect ratio: 4:3
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels
Projection lens	Zoom	Manual (Approx. 1.3 x)
	Focus	Manual
Light source		High-pressure mercury lamp 210 W type
Recommended lamp replacement time*1		3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)
Filter cleaning cycle		Max. 6000 H*1 / Same time as the lamp replacement is recommended
Screen size		30" to 300" (0.762 m to 7.62 m)*2
Light output (Lamp mode: High / Standard / Low)		2600 lm / 2100 lm / 1700 lm
Colour light output		2600 lm / 2100 lm / 1700 lm
Contrast ratio (full white / full black)*3		2500:1
Speaker		1 W x 1 (monaural)
Displayable scanning requency	Horizontal	14 kHz to 93 kHz
	Vertical	47 Hz to 93 Hz
Display resolution	Computer signal input	Maximum input signal resolution: 1600 x 1200 (resizing display), Panel display resolution: 1024 x 768 pixels
	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		Vertical: Max. +/- 30 degrees*4
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, Persian)
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
	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)
Other signal input/output		RS-232C connector: D-sub 9-pin (female)
		–
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%)

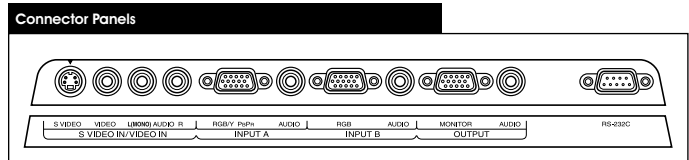| Specifications		VPL-EX120
Power requirements		AC 100 V to 240 V, 3.3 A to 1.3 A, 50 Hz /60 Hz
Power consumption	AC 100 V to 120 V	300 W / 265 W / 235 W
	AC 220 V to 240 V	290 W / 255 W / 225 W
Standby mode power consumption	AC 100 V to 120 V	8 W / <1.0 W (Standby mode: Standard / Low)
	AC 220 V to 240 V	10 W / <1.0 W (Standby mode: Standard / Low)
Heat dissipation	AC 100 V to 120 V	1023 BTU
	AC 220 V to 240 V	989 BTU
Standard outside dimensions		W 313.4 x H 129.6 x D 278.3 mm (W 12 11/32 x H 5 3/32 x D 10 31/32 in) W 313.4 x H 114.1 x D 269 mm (W 12 11/32 x H 4 1/2 x D 10 19/32 in) (without protrusion)
Mass		3.2 kg / 7 lb 0.88 oz
Supplied accessories		RM-PJ7 Remote Commander (1), Lithium Battery: CR2025 (1), Mini D-sub 15-pin cable (1), Lens Cap (1), Operating Instructions (1), Quick Reference Manual (1), AC power cord (1)
		Carrying case (1)

*1: The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*2: Viewable area, measured diagonally.
*3: The value is average.
*4: Depend on resolution.
*5: From INPUT A and INPUT B.
*6: Works as audio switcher function. From current channel only. Not available in standby.

Optional Accessory

LMP-E211
Projector Lamp
(for replacement)

Dimensions

313.4 (12 11/32)
79.7 (3 1/8)
269 (10 19/32)
114.1 (4 1/2)
269 (10 19/32)
313.4 (12 11/32)

Unit: mm (inches)

Connector Panels

| S VIDEO | VIDEO | L(MONO) AUDIO R | RGB/Y PBPR | AUDIO | RGB | AUDIO | MONITOR | AUDIO | RS-232C |
S VIDEO IN/ VIDEO IN | INPUT A | INPUT B | OUTPUT |

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About Sony Professional
Sony Professional is the leading supplier of AV/IT solutions to businesses across a wide variety of sectors including, **Media and Broadcast**, **Video Security and Retail, Transport & Large Venue markets**. It delivers products, systems and applications to enable the creation, manipulation and distribution of digital audio-visual content that add value to businesses and their customers. With over 25 years' experience in delivering innovative market-leading products, **Sony Professional** is ideally placed to deliver exceptional quality and value to its customers. **Sony's Professional Services** division, its systems integration arm, offers its customers access to the expertise and local knowledge of skilled professionals across Europe. Collaborating with a network of established technology partners, Sony Professional delivers end to end solutions that address the customer's needs, integrating software and systems to achieve each organisations' individual business goals. For more information please visit **www.pro.sony.eu**

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