Visual Simulation and Visual Entertainment

Incredible 4K detail for simulation and visualisation
Every projector in our simulation and visualisation line-up delivers stunning 4K images. 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.

The range at a glance

SONY

Common specifications:

4K Native resolution Superior lens quality

High native contrast delivered by 4K SXRD panels

Excellent colour reproduction, up to DCI P3

Low transport delay thanks to powerful processors

Laser light source

VPL-VZ1000ES

Ultra Short Throw: 0,24:1

2,500 lumens

VPL-GTZ240

Rugged chassis with motion base lock allows vibration endurance for motion based system

2,000 lumens

Compact design weighing less than 20KG

VPL-GTZ270

Sealed optics - No dust = long-lasting optics

20,000 : 1 - Very high native contrast

5,000 lumens

VPL-GTZ280

High Frame Rate capability for 4K 120P projections

Infra-Red projection for night vision simulation

5,000 lumens

VPL-GTZ380

4K 3D capability

DCI-P3 colour space, without brightness loss

10,000 lumens

Infra-Red projection for night vision simulation

VPL-VZ1000ES

Professional 4K SXRD projectors for visualisation and simulation

Combining the best Sony technologies, the VPL-VZ1000ES 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 2,500 lumens brightness, it's perfect for museums, design simulation, industry, education, business and can be used to create stunning video walls.

- Ultra-short throw distance for flexible installation
  The VPL-VZ1000ES has been designed with flexible installation in mind. Place the projector next to a wall and you'll enjoy a beautiful 80"(diagonal) display; place the projector 26 cm (10.2 inches) away from
  the wall and this screen size increases to a huge 120". So whether it's placed on the floor, mounted on the ceiling or used for rear projection, you can be sure that you'll always see the big picture.
- Projected image size: 80" to 120"
- Detail-packed 4K image quality thanks to SXRD Native 4K panels
- Very high contrast
- No lamp: 20,000 hours virtually zero maintenance requirements
- 'Blend in' design to suit any environment
- Low fan noise 24dB. Whisper-quiet fan noise minimises disturbance for your audience.
- Quick turn On/Off. The laser projector can be turned on and off quickly.

		Projector (VPL-VZ1000ES)
Display System		SXRD panel, projection system
Display device		SXRD 0.74" (18.8 mm) × 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	Zoom	Powered (Approx. ×1.02)
	Focus	Powered
	Corner correction adjustment	Powered
	Throw Ratio	0.22:1
Light source		Laser diode
Projection image size		80" to 120" (diagonal)
Light output		2500 lm
Colour light output		2500 lm
Contrast ratio		∞:1 (dynamic contrast)
Accepted digital signals*1		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*2, 3840x2160/60p*2, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p*2, 4096 x 2160/60p*2
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)		55°C to 35°C (41°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, 5.9 A to 2.5 A, 50/60 Hz
Power consumption		435 W
Standby mode power consumption		0.5 W
Acoustic noise		24 dB
Dimensions (W×H×D)		925 mm × 218.5 mm × 493.8 mm (36 13/32 x 8 19/32 x 19 7/16 inches) (with side covers)
Mass		35 kg (77 lb)
Optional accessories		Active 3D Glasses: TDG-BT500A

VPL-VZ1000ES

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Display device		SXRD 0.74" (18.8 mm) × 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	Zoom	Powered (Approx. ×1.02)
	Focus	Powered
	Corner correction adjustment	Powered
	Throw Ratio	0.22:1
Light source		Laser diode
Projection image size		80" to 120" (diagonal)
Light output		2500 lm
Colour light output		2500 lm
Contrast ratio		∞:1 (dynamic contrast)
Accepted digital signals*1		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*2, 3840x2160/60p*2, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p*2, 4096 x 2160/60p*2
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)		55°C to 35°C (41°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, 5.9 A to 2.5 A, 50/60 Hz
Power consumption		435 W
Standby mode power consumption		0.5 W
Acoustic noise		24 dB
Dimensions (W×H×D)		925 mm × 218.5 mm × 493.8 mm (36 13/32 x 8 19/32 x 19 7/16 inches) (with side covers)
Mass		35 kg (77 lb)
Optional accessories		Active 3D Glasses: X105-RF-X1

VPL-GTZ240

4K SXRD® compact size laser light source projector for advanced simulation applications

Sony combines the best of its projection technologies, 4K SXRD imager and Z-Phosphor™ laser light source, to create a compact size projector with native 4K resolution, high-speed signal processing, fast motion blur reduction vision, and vibration resistance All ideal for visualization, simulation, and training applications.

- Exclusive SXRD chip provides native 4K resolution and super high contrast ratio
- Excellent color reproduction
- Reality Creation 4K upscaling
- HDR compatible
- Advanced motion blur reduction
- Advanced Laser Light Source
- Long-life optics up to 20,000h
- One-way air flow
- Low noise operation
- Quick start enhances operation
- Low transport delay
- Changeable lens
- Rugged chassis with motion based operation
- Compact design
- Pre-adjusted brightness and color temperature
- for multi projection

		VPL-GTZ240
Display system		4K SXRD panel projection system
Display device	Size of effective display area	0.74» (18.8mm) x3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*	Focus	Powered
	Zoom	Powered
	Lens Shift	VPLL-Z7008: Powered V:± 0.5V I H:± 0.18H VPLL-Z7013: Powered V:± 0.8V I H:± 0.31H
	Throw Ratio	VPLL-Z7008: 0.8:1 to 1.02:1 VPLL-Z7013: 1.27:1 to 2.73:1
Light source		Laser diode
Light output		2,000 lm
Colour light output		2,000 lm
Contrast ratio		∞ to 1 (dynamic contrast)
Display resolution	Computer signal input	Maximum display resolution: 4,096 x 2,160 dots
	IMaximum Video signal input	4K 60P
Input / Output		HDMI (HDCP 1.3,) x 2, RS-232C,S, Trigger x 2, IR in, LAN,USB
Acoustic noise		39 dB
Operating temperature (Operating humidity)		5℃ to 40℃ (41°F to +104°F)/20% to 80% (no condensation)
Power requirements		AC100V to 240V, 50/60Hz
Power consumption I Standby Power Consumption		approx. 490W | 0.4 W
Heat dissipation		1,671 BTU/h
Dimensions		560 x 223 x 496 mm 22 1/16 x 8 25/32 x 19 17/32 inches (without protrusions)
Mass		Approx. 19.5 kg / 43 lb (without lens)
Optional accessories		VPLL-Z7013 (Normal throw lens), VPLL-Z7008 (Short throw lens) / Active 3D Glasses: X105-RF-X1

*The lenses are optional accessories.

VPL-GTZ270

4K SXRD 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXRD 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 SXRD 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

		VPL-GTZ270
Display system		4K SXRD panel projection system
Display device	Size of effective display area	0.74» (18.8mm) x3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*	Focus	Powered
	Zoom	Powered
	Lens Shift	VPLL-Z7008: Powered V:± 0.5V I H:± 0.18H VPLL-Z7013: Powered V:± 0.8V I H:± 0.31H
	Throw Ratio	VPLL-Z7008: 0.8:1 to 1.0:1 VPLL-Z7013: 1.27:1 to 2.73:1
Light source		Laser diode
Light output		5,000 lm
Colour light output		5,000 lm
Contrast ratio		∞ to 1 (dynamic contrast)
Display resolution	Computer signal input	Maximum display resolution: 4,096 x 2,160 dots
	IMaximum Video signal input	4K60p 4:4:4 8bit /4:2:2 12bit (HDMI) 4K60p 4:4:4 8bit (Display Port)
Input / Output		HDMI (HDCP 2.2) x 2,Display Port (HDCP 1.3) x 2, RS-232C,SYNC IN/OUT,IR IN/OUT, Trigger,LAN,USB
Acoustic noise		35 dB
Operating temperature (Operating humidity)		5°C to 40°C (41°F to 104°F) (35% to 85%) (no condensation)
Power requirements		AC100V to 240V, 50/60Hz
Power consumption I Standby Power Consumption		approx. 1.2KW | 0.5 W
Heat dissipation		4,095 BTU/h
Dimensions		W550 x H228 x D750 (mm) I W21.6 x H9.0 x D29.5 (inch)
Mass		40kg I 88.2 lb (excluding lens)
Optional accessories		VPLL-Z7013 (Normal throw lens), VPLL-Z7008 (Short throw lens) / Active 3D Glasses: X105-RF-X1

*The lenses are optional accessories.

VPL-GTZ280

4K SXRD 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXRD 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 SXRD chip provides native 4K resolution and high contrast ratio
- Super high speed signal processor reduces blur in fast motion scenes with 120Hz input
- 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

		VPL-GTZ280
Display system		4K SXRD panel projection system
Display device	Size of effective display area	0.74» (18.8mm) x3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*	Focus	Powered
	Zoom	Powered
	Lens Shift	VPLL-Z7008: Powered V:± 0.5V I H:± 0.18H VPLL-Z7013: Powered V:± 0.8V I H:± 0.31H
	Throw Ratio	VPLL-Z7008: 0.8:1 to 1.0:1 VPLL-Z7013: 1.27:1 to 2.73:1
Light source		Laser diode
Light output		5,000 lm
Colour light output		5,000 lm
Contrast ratio		∞ to 1 (dynamic contrast)
Display resolution	Computer signal input	Maximum display resolution: 4,096 x 2,160 dots
	IMaximum Video signal input	4K120p 4:4:410bit (DP x 4)
Input / Output		Display Port (HDCP 1.3,) x 2, Display Port (HDCP 1.3, Up to 1920x1080) x2, RS-232C,SYNC IN/OUT,IR IN/OUT, Trigger,LAN,USB
Acoustic noise		35 dB
Operating temperature (Operating humidity)		5°C to 40°C (41°F to 104°F) (35% to 85%) (no condensation)
Power requirements		AC100V to 240V, 50/60Hz
Power consumption I Standby Power Consumption		approx. 1.2KW | 0.5 W
Heat dissipation		4,095 BTU/h
Dimensions		W550 x H228 x D750 (mm) I W21.6 x H9.0 x D29.5 (inch)
Mass		40kg I 88.2 lb (excluding lens)
Optional accessories		VPLL-Z7013 (Normal throw lens), VPLL-Z7008 (Short throw lens) / Active 3D Glasses: X105-RF-X1

*The lenses are optional accessories.

PRELIMINARY VERSION

VPL-GTZ380

4K SXRD 10,000 lumens Laser Light Source Projector

Achieve exceptionally bright, large scale image quality images with this Native 4K resolution, super high contrast,DCI-P3 colorspace laser projector. In addition to unmatched optical performance, the VPL-GTZ380 comes in a convenient compact chassis and is equipped with a high performance picture processor, "X1 Ultimate for projector," to further enhance digital picture quality.

- Exclusive SXRD chip provides native 4K resolution
- 10,000 Lumens brightness
- Laser Light Source with patented phosphor wheel
- "X1 Ultimate for projector" high performance picture processor
- Two HDMI inputs and two Display Port 1.4 inputs. Display Port 1.4 supports up to 4K 60P RGB444 10-bit signal with a single cable and up to 4K 120P RGB444 10-bit with dual cables.
- 4K 3D capability. With 4K 120P capability, the VPL-GTZ380 is capable of the Easy-on-the-eye dual 4K60P 3D active shutter system, which gives 4K 60P image to each eye.
- Wide Colour Space - Covers full DCI without brightness loss
- Smear reduction. The VPL-GTZ380 supports 25%, 41% and 50% of black insertion mode
- HDR capability
- Powerful IR output for NVG training
- 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
- Angle-free installation
- Robust chassis for easy handling and self stack capability
- Whisper quiet operation less than 39dB

All information and data given is preliminary as of June 2020

		VPL-GTZ380
Display system		4K SXRD panel projection system
Display device	Size of effective display area	0.74» (18.8mm) x3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens*	Focus	Powered
	Zoom	Powered
	Lens Shift	VPLL-Z8008: Powered V:± 0.5V I H:± 0.18H VPLL-Z8014: Powered V:± 0.8V I H:± 0.31H
	Throw Ratio	VPLL-Z8008: 0.8:1 to 1.02:1 VPLL-Z8014: 1.4:1 to 2.73:1
Light source		Laser diode (Two Blue different wavelength lasers and Red laser))
Light output		10,000 lm
Colour light output		10,000 lm
Contrast ratio		16,000 : 1 (Native contrast) / ∞ : 1 (dynamic contrast)
Display resolution	Computer signal input	Maximum display resolution: 4,096 x 2,160 dots
	IMaximum Video signal input	4K120P RGB 4:4:4 10bit (via 2x Display Port) 4K60p YUV 4:2:2 12bit (via HDMI)
Input / Output		HDMI (HDCP 2.3) x 2,Display Port (HDCP 2.3) x 2, RS-232C, 3D SYNC OUT (VESA 3D),IR IN/OUT, Trigger x 2,LAN,USB
Acoustic noise		39 dB
Operating temperature (Operating humidity)		5℃ to 40℃ (41°F to +104°F)/20% to 80% (no condensation)
Power requirements		AC100V to 240V, 50/60Hz
Power consumption I Standby Power Consumption		approx. 2.0KW | 0.3 W
Heat dissipation		4,092 BTU/h
Dimensions		560 x 228 x 760 mm (22 1/16 x 8 31/32 x 29 15/16 in) (without protrusions) 560 x 262 x 760 mm (22 1/16 x 10 5/16 x 29 15/16 in)
Mass		51kg I 112 lb (excluding lens)
Optional accessories		VPLL-Z8014 (normal throw lens 1.4-2.73:1), VPLL-Z8008 (short throw lens 0.8-1.02:1) / Active 3D Glasses: X105-RF-X1

*The lenses are optional accessories.

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