SONY

VPL-GTZ1

2,000 lumens 4K SXRD Ultra Short Throw
Laser Light Source projector



Overview

4K, laser light source and ultra-short throw capabilities designed for a range of B2B and commercial applications

The VPL-GTZ1's imaging technology combines Sony's proven 4K SXRD™ with a laser phosphor light source. The result is 2,000 lumens color brightness and superb picture quality. The projector can throw high-resolution images up to approximately 147-inches (3.7m) diagonal and zoom down to 66-inches (1.7m)*, achieved by respective 6.7-inch and zero inch (170mm ~ zero) distance** from screen, across onto any white plane surface. The ultra-short throw will allow you to stand closer to the screen which will be beneficial for presentation application and also, being able to check details of the 4K image at closer distance without shading off the image. Its stylish, 'blend-in' design fits nearly any installation environment, and a low fan noise ensures quiet operation that won't disrupt user's experience. The projector's flexible installation and operation allows it to be floor-standing, ceiling-mounted or used for rear projection. Users can blend*** multiple projectors and a quick turn on/off feature is convenient for a wide range of applications.

Like Sony's other laser light source projectors, the VPL-GTZ1 can deliver an expected 20,000 hours of operation without the need for a lamp exchange. This translates to substantial savings in time and money, reducing the costs normally associated with bulb replacement.

* When projecting in 17:9 format
** Measurement from screen to edge of width the product
*** Blending requires 3rd party software.

Features

4K native resolution: More than 4x Full HD images
The VPL-GTZ1 Professional 4K SXRD™ Projector offers native 4096 x 2160 resolution, which is more than four times the resolution of Full HD. The projector's newest generation 0.74" 4K SXRD panels have been developed utilizing cumulative expertise delivering 4K display products to visualization, simulation, and the digital cinema market.

Laser phosphor light source
The VPL-GTZ1 combines the 4K SXRD display technology with a highly efficient laser phosphor light source. This unique combination delivers exceptionally bright, pictures with excellent color accuracy and stability, plus high efficiency and significantly greater durability for reduced total cost of ownership.

2,000 lumens brightness
Add more detail, impact and realism with high 2,000 lumens brightness, ideal for a range of B2B and commercial applications, including museums, design simulation, signage, oil and gas, simulation and training, corporate, and video wall applications.

Ultra short throw projection
The projector can throw high-resolution images up to approximately 147-inches (3.7m) diagonal and zoom down to 66-inches (1.7m)*, achieved by respective 6.7-inch and zero inch (170mm ~ zero) distance** from screen, across onto any white plane surface. The ultra-short throw allows you to stand closer to the screen, ideal for presentation applications and to be able to check details of the 4K image at closer distance without shading off the image.

* When projecting in 17:9 format
** Measurement from screen to edge of width the product

Up to 20,000* hours operation with virtually no maintenance
The advanced laser light source offers a typical 20,000 hours operation without maintenance or replacement, reducing lifetime running costs compared with traditional projectors. 20,000 hours filter replacement cycles keep the projector in peak operating condition while reducing maintenance trips even further.
* Actual hours may vary depending on usage.

Create super-size displays with Edge Blending
Seamlessly join accurately from multiple projectors, simplifying creation of stunning super-size displays for retail, corporate and live event applications (using 3rd party edge blending solution).

Flexible installation capabilities
The projector's flexible installation and operation allows it to be floor-standing, ceiling-mounted or used for rear projection.

3D capabilities
The projector offers 2K 3D with resolution up to 1920 x 1080. Optional accessories include TDG-BT500A 3D glasses (not included).

Low fan noise level
The low fan noise ensures quiet operation.

HDMI inputs
The projector has 4 x HDMI (4K 60p YCbCr 4:2:0 support) inputs.

Specifications

Display system	
Display system	SXRD projection system

Display device	
Size of effective display area	0.74" x 3 SXRD
Number of pixels	26,542,080 (4096 x 2160 x 3) pixels

Projection lens	
Focus	Powered
Zoom - Powered/Manual	Powered
Zoom - Ratio	Approx. x 1.6

Light source	
Type	Laser diode

Screen size	
Screen size	66" to 147" (1.67 m to 3.73 m) (measured diagonally)

Light output	
Lamp mode: High	2000 lm

Color light output	
Lamp mode: High	2000 lm

Contrast ratio *1	
Contrast ratio	∞:1 (Dynamic Contrast)

Signal	
Accepted digital signals*1	VGA, SVGA, XGA, WXGA(1280x768), QuadVGA, SXGA, SXGA+
Video signal input	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

INPUT OUTPUT (Computer/Video/Control)	
HDMI	HDMI (x4)
REMOTE	RS-232C connector: D-sub 9-pin (female)
LAN	RJ-45, 10Base-T/100BASE-TX
IR IN	Mini Jack
USB	Type A, DC 5V, Max. 500 mA

Acoustic noise	
Lamp mode: Low	26 dB

Operating temperature (Operating humidity)

Operating temperature (Operating humidity)	5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)

Storage temperature (Storage humidity)

Storage temperature (Storage humidity)	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)

Power requirements

Power requirements	AC 100 V to 240 V, 5.9 A to 2.5 A, 50 Hz / 60 Hz

Power consumption

Power consumption	520 W
Standby	0.4 W (when "Remote Start" is set to "Off")
Networked Standby	0.6 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W).

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	After about 10 Minutes

Dimensions (W x H x D)

Dimensions (W x H x D)	1,250 mm × 265 mm × 535 mm (49.2 inches × 10.4 inches × 21.1 inches) 1,100 mm × 265 mm × 535 mm (43.3 inches × 10.4 inches × 21.1 inches) (without handle)

Mass

Mass	Approx. 55kg (121 lb) Approx. 50kg (110 lb) (without handle)

Optional accessories

RF 3D Glasses	TDG-BT500A

Notes

*1	60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz

Notes	
*2	YCbCr 4:2:0 / 8 bit format signal

Gallery












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