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 colour 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.

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- **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 utilising cumulative expertise delivering 4K display products to visualisation, 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 colour 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.

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Technical 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
● *2	YCbCr 4:2:0 / 8 bit format signal

Accessories

Other Accessories

TDG-BT500A

Active shutter glasses (RF type) for home cinema projectors