SONY

VPL-GT100

Professional 4K SXRD projector with 2,000 lumens brightness and 1,000,000:1 contrast ratio

Overview

4K in a compact format for versatile applications

VPL-GT100 is a compact professional 4K SXRD projector with 2,000 lumens brightness and a dual display port input for 4096 x 2160 resolution at 60 frames per second.

Full 4K resolution

4096 x 2160 pixels.

RGB444 at 10-bit colour depth

Up to 60 frames per second.

High quality dynamic contrast

1,000,000:1 dynamic contrast.

High brightness

2,000 lumens brightness.

Deep blacks via new SXRD imaging device

Wide colour space covers DCI and Adobe RGB specs.

Features

4K native resolution: more than 4x Full HD images

The VPL-GT100 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 Sony's cumulative

expertise delivering 4K display products to visualisation, simulation, and the digital cinema market. Using 2x display ports, the projector is capable of displaying up to 4K/60P contents with 2000 lumens colour light output.

Dynamic contrast for high picture quality

The projector's 4K native SXRD panels produce outstanding native device contrast, reproducing deep blacks by improving the flatness level of the pixel surface. When combined with Sony's Advanced Iris3 technology, this projector can achieve an incredible 1,000,000:1 dynamic contrast for the incredible images.

4K in 20 kg compact format

With the optical engine using small format 0.74-inch SXRD panels and a highly integrated circuit, ultra-high resolution 4K projection is available in a 20 kg (44lbs 1.5oz) compact format, simplifying installation.

Richer Pictures with wide colour space (DCI, Adobe RGB)

The VPL-GT100 offers a wider-than-normal colour space, enabling it to show the full colour information provided by the professional DCI colour specification and the Adobe RGB colour space.

Smear reduction

For enhanced realism of the projected imagery, Sony's Dark Frame Insertion technology reduces visible smear.

Transport delay reduction

Utilising a newly developed image processing technology, The VPL-GT100 design is optimised to provide minimal transport delay.

Portrait mode installation capability

Unlike some projectors, the VPL-GT100 is not limited by gravity.

The VPL-GT100 can be installed in either portrait mode or landscape mode, without affecting projector lamp performance.

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 2.06
Lens shift - Powered/Manual	Powered
Lens shift - Range Vertical	+/- 80%
Lens shift - Range	

Horizontal	+/- 31%

Light source

Type	Ultra high pressure mercury lamp
Wattage	330 W type

Screen size

Screen size	60" to 300" (1.52 m to 7.62 m) (measured diagonally)

Light output

Lamp mode: High	2000 lm

Color light output

Lamp mode: High	2000 lm

Contrast ratio *1

Contrast ratio	1,000,000:1 (Dynamic Contrast)

Displayable scanning frequency

Horizontal	19 kHz to 72 kHz

Vertical	48 Hz to 92 Hz

Display resolution

Computer signal input	Maximum display resolution: 4096 x 2160 dots (2 x Display port Input)
Video signal input	480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 3840 x 2160/60p *2, 3840 x 2160/30p 3840 x 2160/25p, 3840 x 2160/24p, 4096 x 2160/60p *2, 4096 x 2160/24p, 640 x 480/60, 800 x 600/60, 1024 x 768/60, 1280 x 960/60, 1280 x 768/60, 1280 x 1024/60, 1400 x 1050/60

OSD language

OSD language	16-languages (English, Dutch, French, Italian, German, Spanish, Portuguese , Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic)

INPUT OUTPUT (Computer/Video/Control)

HDMI	Digital RGB/Y Pb/Cb Pr/Cr
Display Port (2 input)	Digital RGB/Y Pb/Cb Pr/Cr
REMOTE	RS-232C connector: D-sub 9-pin (female)
LAN	RJ-45, 10Base-T/100BASE-TX
IR IN	Mini Jack
TRIGGER1 / TRIGGER2	Mini Jack (x2)
3D SYNC	RJ-45
USB	Type-A

Acoustic noise

Lamp mode: Low	23 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, 4.8 A to 2.0 A, 50 Hz / 60 Hz

Power consumption	
AC 100 V to 120 V	480 W
AC 220 V to 240 V	460 W

Power Consumption (Standby Mode)	
AC 100 V to 120 V	0.3 W (when “Standby mode" is set to “Low”)
AC 220 V to 240 V	0.4 W (when “Standby mode” is set to “Low”)

Power Consumption (Networked Standby Mode)	
AC 100 V to 120 V	3.5 W (LAN) (when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	3.9 W (LAN) (when "Standby Mode" is set to "Standard")

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) (without protrusions)	520 x 200 x 640 mm (20 1/2 x 7 7/8 x 25 1/4 inches)

Mass

Mass	20 kg (44 lb)

Supplied accessories

Remote commander	RM-PJ22
IR 3D Glasses	TDG-PJ1

Optional accessories

Replacement lamp	LMP-H330
Wireless HD Unit	IFU-WH1
IR 3D Glasses	TDG-PJ1

IR External Transmitter	TMR-PJ2

Notes	
*1	The values are estimate.
Environmental notice for customers in the USA	Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see www.sony.com/mercury for additional information.

Gallery