

VPL-GT100

Professional 4K SXR D 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 SXR D 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 SXR D 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 SXR D™ 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 SXR D 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) 520 x 200 x 640 mm (20 1/2 x 7 7/8 x
(without protrusions) 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

