

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 SXR D 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 SXR D 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

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

Optional accessories

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|------------------|----------|
| Replacement lamp | LMP-H330 |
|------------------|----------|

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|------------------|---------|
| Wireless HD Unit | IFU-WH1 |
|------------------|---------|

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|---------------|---------|
| IR 3D Glasses | TDG-PJ1 |
|---------------|---------|

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|-------------------------|---------|
| IR External Transmitter | TMR-PJ2 |
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Notes

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| *1 | The values are estimate. |
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| 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. |
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Gallery

