

VPL-GTZ380

SXRD Projector with 10,000 lumen brightness, true 4K resolution, extreme 16,000:1 contrast and vibrant DCI-P3 colour



Overview

Breathtaking images, near or far

The VPL-GTZ380 faithfully displays true 4K resolution (4096 x 2160) images, with no upscaling or pixel shifting tricks often used in lesser projectors. The finest details are breathtakingly crisp and clear, even when your audience is closer to the screen in environments like corporate showrooms and lobbies.

Immersive, seamless images on any scale

Remarkably quiet and compact, the VPL-GTZ380 features a familiar four corner mount design that's ideally suited to multi-projection installations including planetarium domes, large exhibitions and gallery spaces. Ultra deep black levels – just one of the hallmarks of Sony's unique SXRD technology – reduces the visibility of intrusive banding when multiple projector images are edge-blended to create a super-sized picture.

Immense colour, undimmed

The VPL-GTZ380 achieves the full DCI-P3 colour space that's 1.35 times wider than the sRGB 93% achieved by other projectors. An additional red laser diode dramatically expands colour volume, with none of the brightness loss common to other high-end models that use a built-in colour filter. The immense colour accuracy of the VPLGTZ380 makes it a compelling choice for environments such as art galleries and museums.

Features

Ideal for CG

Latest graphics processing technology displays up to 4K 120Hz RGB 4:4:4 10-bit images with just two Display Port cables.

Even more virtually real

The VPL-GTZ380 supports dual 4K 60Hz 3D signals to accommodate today's demanding VR, industrial design and visualisation applications.

Authentic night scenes

The additional infrared laser source makes the VPL-GTZ380 ideal for pilot training and rescue simulation applications using night vision goggles.

Latest 4K SXR panel

The compact, durable new-generation SXR panel allows the VPL-GTZ380 to deliver true 4K images with a spectacular 10,000 lumen brightness.

Advanced cooling

The advanced phosphor wheel design features a patented spiral fin that ducts heat away efficiently for impressively cool operation – a frequent issue with other high-brightness projectors.

Wide colour gamut

The laser light source achieves a remarkable 100% DCI-P3 colour space without brightness reduction – 135% wider than conventional sRGB projectors.

Optimised picture processing

As found in Sony's BRAVIA professional displays, the flagship X1 Ultimate picture processor is optimised for advanced projector applications.

Specifications

Display System

| | |
|----------------|----------------------------------|
| Display System | 4K SXRD panel, projection system |
|----------------|----------------------------------|

Display Device

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|--------------------------------|-----------|
| Size of effective display area | 0.74" x 3 |
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|------------------|-------------------------------------|
| Number of Pixels | 26,542,080 (4096 x 2160 x 3) pixels |
|------------------|-------------------------------------|

Projection Lens *1

| | |
|-------|---------|
| Focus | Powered |
|-------|---------|

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|------|---------|
| Zoom | Powered |
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Light Source

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| Light Source | Laser phosphor |
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Light Output

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| Light Output | 10,000lm |
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Color Light Output

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|--------------------|----------|
| Color Light Output | 10,000lm |
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Contrast Ratio (Native)

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|----------------------------|-----------------------|
| Contrast Ratio (Native) | Typical 16,000 : 1 *2 |
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Accepted Digital Signals

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|-----------------------------|---|
| Accepted Digital Signals | 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/100p, 1920 x 1080/120p, 1920 x 1200/60p, WQHD/60p, WQHD/120p, QXGA/60p, QXGA/120p, WQXGA/60p, WQXGA/120p, 3840 x 2160/50p, 3840 x 2160/60p, 3840 x 2160/100p , 3840 x 2160/120p, 4096 x 2160/50p, 4096 x 2160/60p, 4096 x 2160/100p, 4096 x 2160/120p |
|-----------------------------|---|

Color Bit Depth

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| Color Bit Depth | Up to 12 bit via HDMI / Up to 10 bit via Display Port |
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INPUT OUTPUT (Computer / Video / Control)

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| HDMI | 2 inputs (HDCP 2.3), Digital (RGB/Y Pb/CbPr/Cr) |
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|--------------|---|
| Display Port | 2 inputs (Ver. 1.4, HDCP 2.3), Digital (RGB) |
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| TRIGGER | 2 connectors, Mini jack, DC 12V Max.100 mA |
| REMOTE | RS-232C, D-sub 9-pin (male) |
| LAN | RJ45, 10BASE-T/100BASE-TX |
| IR IN/OUT | IN:1, Out:1, Mini jack |
| 3D SYNC OUT | 3-pin mini-DIN (VESA 3D) |
| USB | Type A, DC 5 V, Max. 500 mA |

OSD Languages

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| OSD Languages | 18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish) |
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Acoustic Noise

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| Acoustic Noise | 33 dB ~ 39 dB *2 |
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Operating Temperature / Operating Humidity

Operating

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| Operating Temperature / Operating Humidity | 5°C to 40°C (41°F to +104°F)/20% to 80% (no condensation) |
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Storage Temperature / Storage Humidity

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|--|---|
| Storage Temperature / Storage Humidity | -10°C to + 60°C (14°F to +140°F)/20% to 80% (no condensation) |
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Power Requirements

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| Power Requirements | AC 200 V to 240 V, 50/60 Hz AC 100 V to 120 V, 50/60 Hz *3 |
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Power Consumption

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|-------------------|--|
| Power Consumption | AC 100 V to 120 V : 1,200 W AC 200 V to 240 V : 1,800 W |
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Power Consumption (Standby Mode)

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|----------------------------------|---|
| Power Consumption (Standby Mode) | 0.3 W (When "Remote Start" is set to "Off") |
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Power Consumption (Networked Standby mode)

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| Power Consumption (Networked Standby mode) | 0.5 W (LAN) (When "Remote Start" is set to "On") When the LAN terminal is not connected, the unit goes into low power consumption mode (0.4 W) |
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Standby Mode / Networked Standby Mode Activated

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|---|------------------------|
| Standby Mode / Networked Standby Mode Activated | After about 10 Minutes |
|---|------------------------|

Heat Dissipation

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| Heat Dissipation | 6138 BTU/h |
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Dimensions (W x H x D)

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|------------------------|--|
| Dimensions (W x H x D) | 560 x 228 x 760 mm (22 1/16 x 8 31/32 x 29 15/16 in) (without protrusions) |
| | 560 x 262 x 760 mm (22 1/16 x 10 5/16 x 29 15/16 in) |

Mass

Approx. 51 kg / 112 lb (excluding

Mass lens)

Supplied Accessories

Supplied Accessories RM-PJ29 Remote Commander (1), Size AA (R6), Manganese Batteries (2), AC Power Cord (1), Plug Holder (1), Operating Instructions (CD-ROM) (1), Safety Regulations (1)

Notes

*1 The lenses are optional accessories.

*2 This value is approximate. Depends on the projector setting condition and usage environment.

*3 Brightness is dimmed.

Gallery

