

VPL-GTZ240

4K SXRD compact laser projector with 2,000 lumens output and accurate reproduction of high-speed motion



Overview

Smooth, precise moving images with 4K clarity and special functions for visual simulation.

For advanced simulation applications, the VPL-GTZ240 laser projector delivers high-contrast 4K images with 2,000 lumens light output and smooth, ultra-responsive reproduction of fast-moving action.

The long-lasting laser light source is combined with 4K SXRD panel technology to deliver bright, crisply detailed native 4K images (4096 x 2160) with more than four times the resolution of Full HD. Picture quality is further enhanced by Reality Creation upscaling, plus configurable support for HDR (High Dynamic range) and high frame rates to take full advantage of today's premium 4K content - and tomorrow's.

The VPL-GTZ240 has two types of black frame insertion modes to reduce motion blur and smear. The low transport delay contributes to extremely responsive performance in fast-motion simulator applications.

The VPL-GTZ240 is particularly suitable for demanding multi-projection applications in 2D or 3D, with consistently homogeneous brightness.

The highly efficient laser light source is rated for a nominal 20,000 hours* for virtually zero maintenance without the need for any lamp exchanges.

*Depends on usage and environment.

Features

Native 4K clarity with more than four times the resolution of Full HD

Advanced SXRD panel technology featured in Sony's digital cinema projectors delivers native 4K (4096 x 2160) resolution images, with no artificial pixel enhancement. Every detail is wonderfully clear and natural, without jagged edges or visible pixels.

Pre-adjusted brightness and colour temperature for multi-projection

The brightness and colour temperature of the VPL-GTZ240 has been pre-adjusted in order to reduce the adjustment time for multi-projection.

Super high contrast ratio

The advance optical engine reduces internal light leakage, for spectacularly high contrast images with huge amounts of finely-rendered picture detail in dark shots.

Supports HDR

Take full advantage of the latest content produced with High Dynamic Range for sharp contrast and more accurate detail, from searing highlights to richly detailed dark scenes.

Reality Creation upscaling

Lower resolution input signals are accurately upscaled to 4K pixel resolution by Sony's advanced Reality Creation engine: you won't see any individual pixels - just beautifully natural 4K images.

Long-lasting laser light source

Thanks to the highly efficient and reliable laser light source, users can benefit from startlingly clear 4K pictures plus up to 20,000 hours* uninterrupted operation with no lamp replacement - far longer than conventional lamp based projectors.

*Depends on usage and environment.

Low transport delay

Enjoy responsive, lag-free performance with an extremely low transport delay; ideal for fast-moving content.

Quick start

Don't lose time - laser light source starts instantly, allowing you to start projecting in moments without lengthy lamp warm-up time.

Motionflow for smoother 4K images

Motionflow ensures smoother, less blurry on-screen images.

Advanced motion blur reduction

A choice of black insertion ratio modes allows effective reduction of image blur and smear.

Industry standard RF 3D compatible

The projector's built-in RF transmitter synchronises with any RF 3D glasses for wider coverage and greater stability, with no need for an external transmitter.

Whisper quiet operation

Extra-low noise fan with one-way air flow ensures extra-quiet operation for minimised audience disruption. High altitude mode adjusts fan rate for efficient operation at altitudes above 1500m.

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

Display device

| | |
|--------------------------------|-----------|
| Size of effective display area | 0.74" x 3 |
|--------------------------------|-----------|

| | |
|------------------|-------------------------------------|
| Number of pixels | 26,542,080 (4096 x 2160 x 3) pixels |
|------------------|-------------------------------------|

Projection lens*1

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

| | |
|------|---|
| Zoom | Powered (Approx. x2.15 : VPLL-Z7013) (Approx. x1.34 : VPLL-Z7008) |
|------|---|

| | |
|------------|---|
| Lens Shift | Powered Vertical: +/-80%, Horizontal : +/-31% : VPLL-Z7013 Vertical: +/-50%, Horizontal : +/-18% : VPLL-Z7008 |
|------------|---|

Light Source

| | |
|--------------|-------------|
| Light Source | Laser diode |
|--------------|-------------|

Light output

Light output 2,000 lm

Colour light output

Colour light output 2,000 lm

Contrast ratio

Contrast ratio 16,000:1 *2 (native contrast)

Acceptable signals

Acceptable signals 480/60p, 576/50p, 720/60p,
720/50p, 1080/60i, 1080/50i,
1080/60p, 1080/50p, 1080/24p,
3840 x 2160/24p, 3840 x 2160/25p,
3840 x 2160/30p, 3840 x 2160/50p,
3840 x 2160/60p, 4096 x 2160/24p,
4096 x 2160/25p, 4096 x 2160/30p,
4096 x 2160/50p, 4096 x 2160/60p

Colour bit depth

Colour bit depth Up to 12 bit

INPUT OUTPUT (Computer/Video/ Control)

HDMI1 / HDMI2 *3 Digital (RGB/Y Pb/Cb Pr/Cr)

| | |
|---------|------------------------------|
| TRIGGER | Mini jack, DC 12V Max.100 mA |
| REMOTE | RS-232C, D-sub 9-pin (male) |
| LAN | RJ45, 10BASE-T/100BASE-TX |
| IR IN | Mini jack |
| USB | DC 5V, Max. 500 mA |

OSD languages

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

Acoustic noise

| | |
|----------------|---------|
| Acoustic noise | 39 dB*2 |
|----------------|---------|

Operating temperature / Operating humidity

| | |
|-------------------------|--|
| Operating temperature / | 5°C to 40°C (41°F to +104°F)/20% to 80% (no |
| Operating humidity | condensation) |

Storage temperature / Storage humidity

| | |
|---|---|
| Storage temperature / Storage humidity | -10°C to + 60°C (14°F to +140°F)/20% to 80% (no condensation) |
|---|---|

Power requirements

| | |
|--------------------|---|
| Power requirements | AC 100 V to 240 V, 4.9 A to 2.2 A, 50/60Hz |
|--------------------|---|

Power consumption

| | |
|-------------------|------------|
| Power consumption | MAX. 490 W |
|-------------------|------------|

| | |
|-------------------------------------|--|
| Power consumption (Standby Mode) | 0.4 W (When "Remote Start" is set to "Off") |
|-------------------------------------|--|

| | |
|--|---|
| Power consumption (Networked Standby Mode) | 1.0W (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 | After about 10 Minutes |
|-------------------------------------|------------------------|

Mode Activated

Heat dissipation

Heat dissipation 1671 BTU/h

3D

3D capability Yes

3D emitter Built-in RF emitter

3D glasses Consult with qualified Sony personnel

Dimensions

Dimensions (W x H x D) 560 x 223 x 496 mm 22 1/16 x 8 25/32 x 19 17/32 inches (without protrusions)

Mass

Mass Approx. 19.5 kg / 43 lb (without lens)

Supplied accessories

RM-PJ29 Remote Commander (1),

| | |
|----------------------|---|
| Supplied accessories | Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Operatin Instructions (CD-ROM) (1) Safety Regulations (5) |
|----------------------|---|

| | |
|----------------------|------------------------|
| Optional accessories | VPLL-Z7008, VPLL-Z7013 |
|----------------------|------------------------|

Notes

| | |
|----|-------------------------------------|
| *1 | The lenses are optional accessories |
|----|-------------------------------------|

| | |
|----|---|
| *2 | This value is typical and it depends on the projector setting condition and usage environment |
|----|---|

| | |
|----|--|
| *3 | Both HDMI inputs are compatible with HDCP 2.2. |
|----|--|

Gallery

