SONY

VPL-GTZ270

4K SXRD laser projector with 5,000 lumens light output and superb image quality

Overview

Thrilling pictures with 4K clarity for visitor attractions and entertainment applications

From museums and galleries to planetariums and other visitor attractions, the VPL-GTZ270 laser projector impresses audiences with a powerful 5000 lm light output for vibrant, high-contrast images bursting with rich colour and 4K detail. And with whisper-quiet fan noise, it won't disturb your audience's enjoyment of the show. The long-lasting laser light source is combined with 4K SXRD panel technology to deliver 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 support for HDR (High Dynamic range) and extended colour space to take full advantage of today's premium 4K content - and tomorrow's.

The VPL-GTZ270 is particularly suitable for demanding multi-projection applications in 2D or 3D, with consistently homogeneous brightness that is a result of the laser light source.

The highly efficient laser light source is rated for a nominal 20,000 hours (up to 40,000 hrs in constant brightness mode), for virtually zero maintenance without the need for any lamp exchanges. Long term reliability is assured further by dust-sealed optics.

Installers will also appreciate the projector's auto calibration, compatibility with leading AV room automation systems, and a robust chassis that can be installed at any angle for maximum flexibility.

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.

High brightness
An impressive 5,000 lumens light output ensures punchy, high-brightness images that can be seen clearly in any environment. In constant brightness mode uniform brightness is maintained over the life of the laser light source - ideal for applications where several projectors are used together.

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 (HDR) for sharp contrast and more accurate detail, from searing highlights to richly detailed dark scenes.

Wide colour space
Videos and still images look more vivid and natural with support for an expanded colour gamut, meeting DCI cinema projector specifications and BT.2020 (emulated).

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.

Picture presets for any content
Nine calibrated presets optimise projected image quality for a wide range of content types including cinema, film, TV, photo, gaming and more.

Long-lasting laser light source
Thanks to the highly efficient and reliable laser light source, audiences can enjoy startlingly clear 4K pictures, plus up to 20,000 hours* uninterrupted operation (40,000 hours* in constant brightness mode) with no lamp replacement - far longer than conventional lamp based projectors.
*Depends on usage and environment.

Long lasting, low maintenance optics
Lens, light source and all optical components are sealed against dust for dependable long-term operation.

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

Colour correction and colour space adjustment
Hue, Saturation, Brightness and colour space can be adjusted to suit different installation conditions.

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.

Greater installation flexibility
Install the projector horizontally, vertically , upside down or at any angle with no restrictions. The rugged chassis allows projectors to be stacked directly on top of one another. Projectors can also be stacked side by side with no cabling restrictions.

Auto calibration
Auto calibration adjusts RGB colour levels as well as white point over the lifespan of the laser light source for consistently beautiful images over time.

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 and liquid cooling system ensures extra-quiet operation for minimised audience disruption. High altitude mode adjusts fan rate for efficient operation at altitudes above 1500m.

Specifications

Display System

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*2

Focus	Powered
Zoom	Powered

Light Source

Light Source	Laser diode

Light Output

Light Output	5,000 lm

Color Light Output

Color Light Output	5,000 lm

Contrast ratio

Dynamic	Up to 30,000:1*1
Native	Up to 20,000:1*1

Accepted digital signals*3

Accepted digital signals*3	VGA, SVGA, XGA, WXGA (1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i*4,1920x1080/60i*4, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p,3840x2160/25p*4, 3840x2160/30p*4, 3840x2160/50p, 3840x2160/60p,

	4096x2160/24p, 4096x2160/25p*4, 4096x2160/30p*4, 4096x2160/50p, 4096x2160/60p

Color bit depth

Color bit depth	Up to 12 bit via HDMI / Up to 10 bit via Display Port

INPUT OUTPUT (Computer/Video/ Control)

HDMI	2 inputs (HDCP 2.2 x 2), Digital (RGB/Y Pb/Cb Pr/Cr)
Display Port	2 inputs (HDCP 1.3 x 1, HDCP 1.3 for V Split x 1), Digital (RGB)
TRIGGER	2 connectors, Mini jack, DC 12V Max.100 mA
REMOTE	RS-232C, D-sub 9-pin (female)
LAN	RJ45, 10BASE-T/100BASE-TX
IR IN / OUT	IN:1, Out:1 , Mini jack
SYNC	Not available
USB	Type A

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	30 dB ~ 35 dB*1

Operating temperature / Operating humidity

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

Storage temperature / Storage humidity

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

Power requirements

Power requirements	AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)

Power consumption

Power consumption	MAX. 1.2 kW
Power consumption (Standby Mode)	0.4 W (When “Remote Start” is set to “Off”)
Power consumption (Networked Standby Mode)	0.6 W (LAN) (When “Remote Start” is set to “On”)

Heat dissipation

Heat dissipation	4092 BTU/h

Dimensions (W x H x D)

Dimensions (W x H x D)	550 x 228 x 750 mm (21 21/32 x 8 31/32 x 29 17/32 in) (without protrusions) 550 x 262 x 750 mm (21 21/32 x 10 5/16 x 29 17/32 in)

Mass

Mass	Approx. 40 kg / 88 lb (excluding lens)

Supplied accessories

Supplied accessories	RM-PJ29 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Operating Instructions (CD-ROM) (1)

Notes

*1	This value is approximate. Depends on the projector setting condition and usage environment.
*2	The lenses are optional accessories.
*3	60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz
*4	Available via HDMI input

Gallery