SONY

VPLGTZ380

VPL-GTZ380 4K SXRD Laser Projector - Sony Pro

Realize overwhelming native 4K image expression [1] like you've never seen before. Sony's X1 processor is paired with a super high contrast 10,000lm Z-Phosphor™ laser light source and DCI-P3 wide color space make your ultimate vision a reality. Object based super resolution enhances color and contrast for greater depth, cleaner textures, and more realistic pictures.

Bullets

- A stunning 10,000 lumens achieve D65 industry-standard color balance and DCI-P3 color space without brightness loss.
- X1™ Ultimate for projector brings you the best of Sony's image processing
- Newly-developed, reliable, full 4K resolution on 3 SXRD™ panel for outstanding contrast
- Z-Phosphor™ laser with red laser diode enhances tones across DCI-P3 color space and deliver 1.35 wider color range than sRGB solutions
- Object based Super Resolution enhances color and contrast of individual objects for a clear picture.
- Dual database processing reduces digital noise for the lowest possible ambient noise
- With Object based HDR Remaster[3], the color in individual objects on screen is analyzed and the contrast adjusted to reproduce greater depth, textures, and more realistic pictures
- Digital Contrast Optimizer minimizes unnecessary light from bright objects for more accurate focus.
- Dynamic HDR Enhancer brings a wider contrast range for striking and realistic picture quality
- HDR Reference Mode creates richer gradation that more accurately display the creator's intent.
- Enjoy the latest 4K content services with HDCP 2.3 compatibility on both 18Gbps HDMI inputs [4]
- Motionflow™ provides smooth motion for 4K & HD
- Advanced graphic processing and Input lag reduction ensures faster response time for gamers
- Up to 20,000 hours of virtually maintenance free operation

Features

Spectacular 10,000-lumen brightness with DCI-P3 color gamut

A 100% DCI-P3 wide color gamut is achieved without sacrificing the high brightness of 10,000 lm, with a unique 3-channel laser light source. A high-intensity blue-laser activates the phosphor light source for wide gamut white light, while additional balanced red and blue laser light sources negate the need for a light-sapping color filter. The result is spectacular brightness and projected images with stunning realism even in well-lit spaces.

Sony X1™ Ultimate for projector

X1™ Ultimate for projector is an innovative technology that uses advanced algorithms to cut noise and boost detail with high-precision frame analysis

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Native 4K SXRD Panel

Newly developed, ultra-reliable, full 4K resolution[1] on 3 SXRD imagers produce outstanding device contrast, and reproduce deep blacks by improving the flatness level of the pixel surface

Object-based Super Resolution

Object based super resolution enhances individual objects for a clear picture that reproduces greater depth, textures and more realistic pictures.

Dynamic HDR Enhancer

Dynamic HDR Enhancer powered by X1 [TM] Ultimate for projector enhances contrast scene by scene in combination with iris-controlled light output control to deliver stunning 4K HDR images.[3]

Object-based HDR Remaster

With Object based HDR Remaster, the color in individual objects on-screen is analyzed and the contrast adjusted to reproduce greater depth, cleaner textures, and more realistic pictures.

Dual Database Processing

One database is used to clean the picture, reducing on-screen noise, and the other is used to upscale the resolution, improving clarity. These two powerful image improvement databases work together, dynamically improving pixels in real time. Each database has tens of thousands of references, amassed from our experience creating for TV and films over the years

Corner-to-Corner sharpness with the ARC-F lens

For pristine image quality across the entire screen, the VPL-GTZ380 features an All-Range Crisp Focus (ARC-F) lens. This large-aperture lens adopts an all-glass design for its 18 elements, including six Extra Low-Dispersion (ELD) elements. This ensures optimal convergence of the red, green and blue primaries even at the extreme edges of the images, for a clear and vivid image wherever you look.

Digital Contrast Optimizer for more accurate focus

Digital Contrast Optimizer minimizes unnecessary light from bright objects for more accurate focus.

Watch bright images for years with a Z-phosphor™ laser light

The VPL-GTZ380 uses an ultra-pure and reliable Z-Phosphor [TM] laser light source. This Sony-developed laser light source lets you enjoy perfectly clear 4K pictures at optimal brightness for up to 20,000 uninterrupted hours. No lamp replacements required, and virtually zero maintenance.

Digital Focus Optimizer

Optimum focus is achieved not only optically, but also digitally, with the Digital Focus Optimizer. By analyzing every pixel of the images with our own algorithm and detecting possible optical degradation in advance, the Digital Focus Optimizer performs optimum image quality correction so that the focus is better than ever, even in the corners.

Flexible Home Installation

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A compact chassis and low ambient noise make the GTZ-380 a perfect fit for home projection. The powered zoom lens with a 2.06x zoom ratio and wide lens shift range gives greater installation flexibility in any room size, even with a high ceiling. Adjust the position of the projector by up to 80% vertically and 31% horizontally using lossless optical adjustments, to get just the right angle for your movies.

Motionflow™ provides smooth motion for 4K & HD

On-screen action looks smother with Motionflow™, even in 4K content. Action in movies, sports, and video games appears incredibly clear and lifelike, as if you were there in real life.

Make the home theater experience bigger and better than ever

Sony 4K projectors are compatible with IMAX Enhanced content, making them ready to deliver the bigger, more breathtaking IMAX visuals you love in compatible content. Take advantage of the size of your projector screen with movies that become even more immersive with IMAX Enhanced

Specification

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	
Focus	Powered
Zoom	Powered
Lens shift	VPLL-Z8014 (Optional) : Powered, Vertical: +/-80 %, Horizontal: +/-33 % VPLL-Z8008 (Optional) : Powered, Vertical: +/-50 %, Horizontal: +/-19 %
Throw ratio*1 *1 Display size : 16:9	VPLL-Z8014 (Optional) : 1.49 : 1 to 2.91 : 1 VPLL-Z8008 (Optional) : 0.85 : 1 to 1.09 : 1
Light source	
Light source	Laser diode
Light output	
Light output	10,000 lm
Dynamic contrast	

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Dynamic contrast	∞: 1
Accepted digital signals	
Accepted digital signals	"720x576/50p, 720x480/60p, 1280x720/50p, 1280x720/60p,1920x1080/50i, 1920x1080/60i, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 1920x1080/120p, 1920x1080/100p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840x2160/50p, 3840x2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096x2160/50p, 4096x2160/60p, WUXGA/60p, QXGA/60p, QXGA/120p, WQHD/60p, WQHD/120p, WQXGA/60p, WQXGA/120p
Input Output (Computer / Video / Control)	
HDMI	x 2 (HDCP2.3)
Input Output (Computer / Video / Control)	
Display Port	x 2 (HDCP2.3)
Trigger	x 2 (Mini jack, DC 12 V, Max. 100 mA)
RS-232C	x1 (D-sub 9-pin (male))
LAN	x1 (RJ-45, 10BASE-T/100BASE-TX)
IR IN / OUT	IN: x 1, Out: x 1 (Mini jack)
3D SYNC OUT	x 1 (3-pin mini-DIN (VESA 3D))
USB	x 1 (Type A, DC 5 V, Max. 500 mA)
Picture processor	
Picture processor	X1 Ultimate for projector
Object-based HDR remaster	
Object-based HDR remaster	Yes
Dynamic HDR Enhancer	
Dynamic HDR Enhancer	Yes
Object-based Super Resolution	
Object-based Super Resolution	Yes

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Dual database processing	
Dual database processing	Yes
Digital Contrast Optimizer	
Digital Contrast Optimizer	Yes
Digital Focus Optimizer	
Digital Focus Optimizer	Yes
Dynamic contrast control	
Dynamic contrast control	Dynamic laser control
Motionflow	
Motionflow	Yes
HDR Format	
HDR Format	HDR10/HLG
3D	
3D	Yes
Picture position memory	
Picture position memory	5
Input lag reduction	
Input lag reduction	Yes (4K/2K)
Acoustic noise*3	
Acoustic noise*3 *3 Depends on the projector setting condition and usage environment.	33 - 39 dB
Power requirements	
Power requirements	AC 200 V - 240 V, 50/60 Hz, AC 100 V to 120 V, 50/60 Hz*5 (Brightness is dimmed.)
Power consumption	
Power consumption	Max. 2.0 kW (TBD)
Standby	0.4 W (when “Remote Start” is set to “Off”)

Networked standby	1.0 W (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).
Dimensions (Without Protrusions)	
Dimensions (Without Protrusions)	W 560 x H 228 x D 760 mm (W 22 1/16 x H 8 31/32 x D 29 15/16 in)
Mass	
Mass	Approx. 51 kg / 112 lb.
Supplied accessories	
Supplied accessories	RM-PJ29 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC power Cord (1), Lens Cap (1), Plug holder (1), Safety Regulations (1)
Optional accessories	
Optional accessories	VPLL-Z8014 (Normal throw lens) VPLL-Z8008 (Short throw lens)

1. 4096 x 2160 resolution
2. Requires HDMI® cable sold sep.
3. Requires HDR compatible content from supported streaming services, such as Amazon Video.