SONY

VPL-GTZ380

The World's Most Advanced

Compact 4K SXRD™
10,000lm Laser Projector

4K HDR | SXRD | Z-Phosphor LASER LIGHT SOURCE | X1 Ultimate for projector

Make Your Vision a Reality

Expect the finest details that are breathtakingly crisp and clear, even when your audience is closer to the screen, like environments below.

Brightness	10,000lm
Picture Engine	X1™ Ultimate for Projector
Dynamic HDR Enhancer	Yes
Resolution	4K
Lens (Bundled)	ARC-F Lens
Dynamic Contrast	∞:1
Color Space	DCI-P3 Triluminos™ Display
Picture Position	Yes

Conventional projector

Remarkable 100% DCI-P3 color gamut

Home Cinema
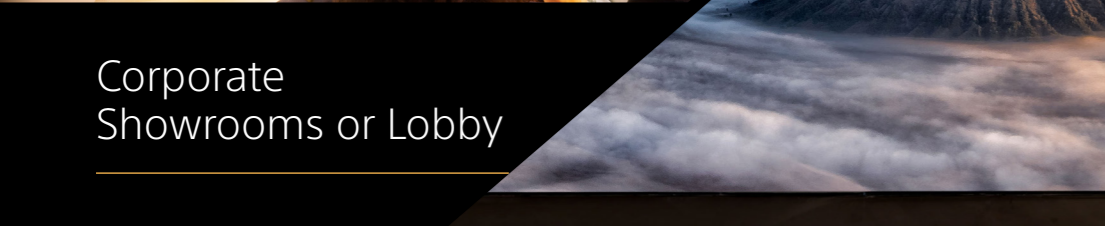
Corporate Showrooms or Lobby

Entertainment or Visitors Attractions

Galleries and Museums

Our Core Technologies

10,000 lm + DCI-P3

10,000 lm

Brightness

Color Volume

Conventional Projector

High brightness at 10,000lm, 100% wide color space (DCI-P3)

that deliver the most immersive visual experience.

SONY
X1
Ultimate
for projector

X1™ Ultimate for projector

A Sony's advanced signal processing technology that brings more details to your images.

X1™ Signal Processing Technology

X1™ Ultimate/X1™ for projector takes our acclaimed BRAVIA TV video processing and optimizes it for projection. The incredible power of this video engine enables prodigious data processing, with real-time enhancement for each individual on-screen object. The result is true high dynamic range imagery, with texture, color, contrast and realism never before available to home cinema.

Noise reduction database

Upscaling database
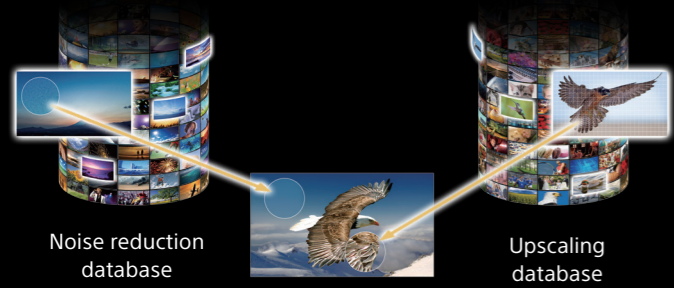
Simulated images

• Dual Database Processing

Two powerful image improvement databases work together to dynamically improve pixels in real-time for image clarity.

Simulated images

• Object-based HDR Remaster

Individual objects on screen are analyzed and the contrast adjusted, to reproduce greater depth and textures, and more realistic pictures.

Original   Digital Contrast Optimizer

Simulated images

## • Digital Contrast Optimizer

The image contrast is optimized by analyzing each scene in advance to deliver inky blacks and superb shadow details.

Simulated images

• Object-based Super Resolution

Hundreds of objects are identified and their resolution is individually enhanced to give a picture of exceptional accuracy and detail.

Original   Dynamic HDR Enhancer
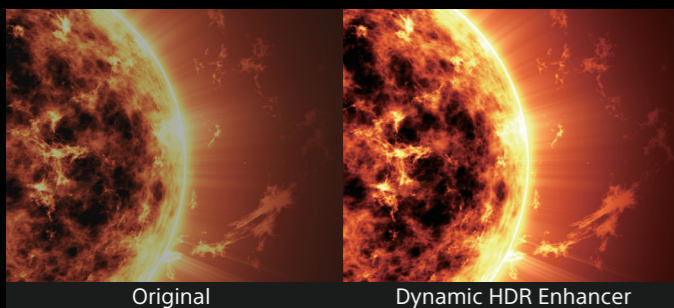
Simulated images

• Dynamic HDR Enhancer

Deliver the optimal projected HDR experience through Sony's advanced scene by scene HDR processing. Achieve striking highlights whilst maintaining deep black levels.
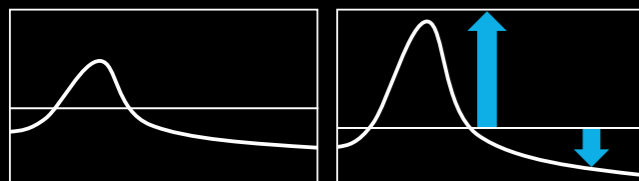
SXRD™ for Uncompromising Picture Quality

The advanced SXRD (Silicon X-tal Reflective Display) panel technology featured in Sony's home cinema projectors delivers native 4K-resolution (4096 x2160) images with 8.8 million pixels for an incredibly lifelike picture. SXRD projection offers rich, inky blacks as well as clear cinematic motion and image smoothness, and can reproduce vibrant colors with more tones and textures than a standard projector system. With high resistance to heat and light, it ensures spectacularly stable brightness.

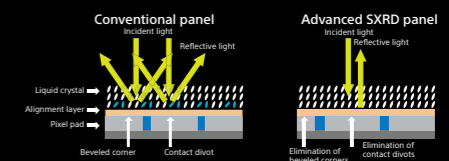## Native 4K Panel
4096 x 2160
(8.8 million pixels)

SXRD
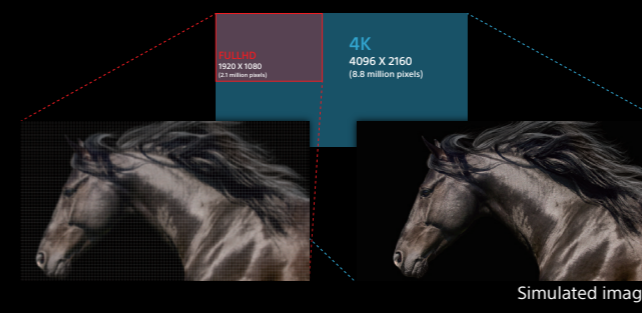
Simulated images

Simulated images

• High Resolution

Native 4K offers 8.8 million pixels (4096x2160) for a picture that's so incredibly lifelike.

• High Contrast

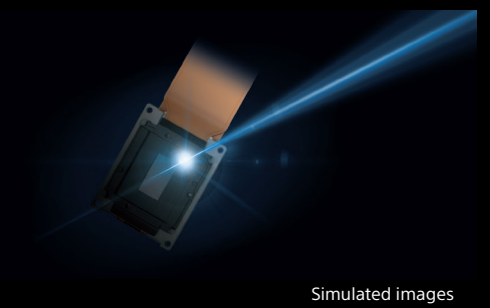The reflective silicon layer provides better light control, for precisely delivered shadows and blacks.

Simulated images

Simulated images

• Color Reproduction

3-chip design that uses a single LCOS chip for each of the primary colors (red, green and blue) to offer true-to-life colors and tones.
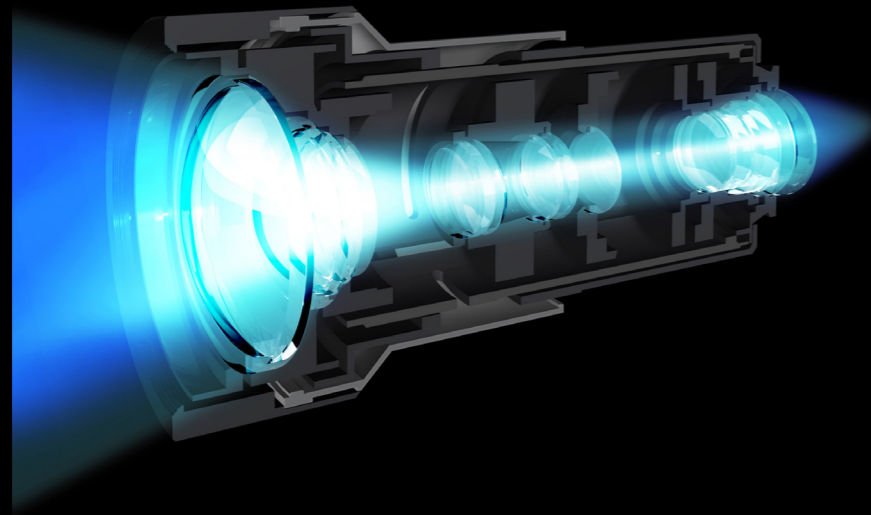
• Super Light-resistance

The small format 0.74" SXRD panel is used in Sony's 4K projector to deliver native 4K. With super light-resistance, it spectacularly achieves 10,000lm with such a small panel.
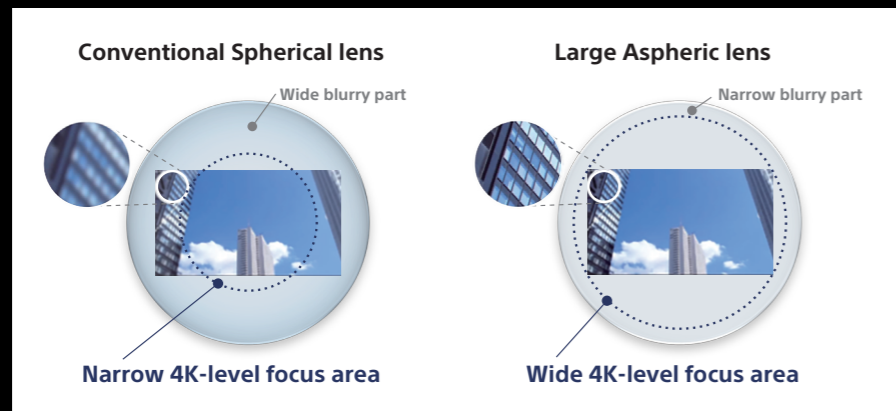
Sony's 4K Lens

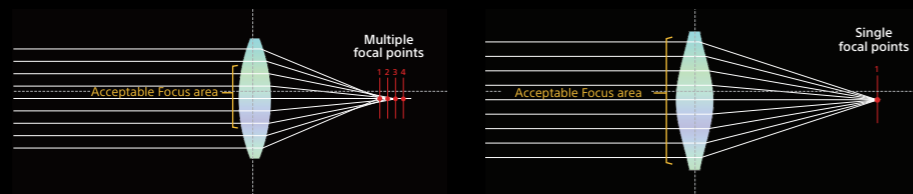## Corner-to-corner sharpness with the ARC-F lens

For pristine image quality across the entire screen, Sony's projectors* feature 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 image, for a clear and vivid image wherever you look.

*Available model: VPL-GTZ380, VPL-VW5000ES, VPL-VW870ES.

## Aspherical lens shows even better focus in corners.

Conventional Spherical lens

Wide blurry part

Narrow 4K-level focus area

Large Aspheric lens

Narrow blurry part

Wide 4K-level focus area

Simulated images

Multiple focal points

Acceptable Focus area

Single focal points

Acceptable Focus area

The primary projection lens features a large diameter aspherical element for corner-to-corner sharpness.

Other Features

Digital Focus Optimizer

Corner images are blurry   Corner images are crisp
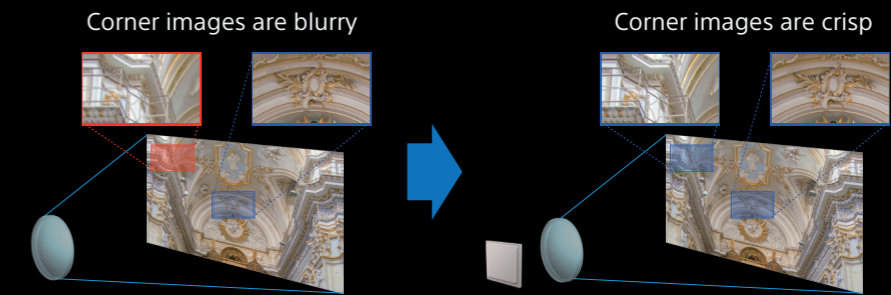
Precompensate by Digital Focus Optimaizer

Simulated images

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

4K Motionflow™

Without Motionflow   With Motionflow

Simulated images

The powerful video processor in the projector offers Motionflow for smooth and clear motion, even when viewing 4K content. 4K Motionflow is best for fast-moving sports content, as it adds frames to reduce blur, while maintaining brightness.

Input Lag Reduction

Off   On

Simulated images

Enjoy the latest games lag free on the big screen. All Sony 4K projectors include input lag reduction that enables the players input to be reflected on screen without delay.

HDMI 18 Gbps Compatibility

With 4K HDR 60P contents increasing, all Sony 4K models have 18Gbps HDMI bandwidth compatibility for smoother expressions of image gradations.

Specifications

VPL-GTZ380		
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 (Bundled) : Powered, Vertical: +/-80 %, Horizontal: +/-33 %
		VPLL-Z8008 (Optional) : Powered, Vertical: +/-50 %, Horizontal: +/-19 %
	Throw ratio*1	VPLL-Z8014 (Bundled) : 1.49 : 1 to 2.91 : 1
		VPLL-Z8008 (Optional) : 0.85 : 1 to 1.09 : 1
Light source		Laser diode
Recommended lamp replacement time*2		–
Light output		10,000 lm
Dynamic contrast		∞ : 1
Accepted digital signals		720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/120p, 1920 x 1080/100p, 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, WUXGA/60p, QXGA/60p, QXGA/120p, WQHD/60p, WQHD/120p, WQXGA/60p, WQXGA/120p
Input Output (Computer / Video / Control)	HDMI	x 2 (HDCP2.3)
	Display Port	x 2 (HDCP2.3)
	Trigger	x 2 (Mini jack, DC 12 V, Max. 100 mA)
	RS-232C	x 1 (D-sub 9-pin (male))
	LAN	x 1 (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		X 1 Ultimate for projector
Object-based HDR remaster		Yes
Dynamic HDR Enhancer		Yes
Object-based Super Resolution		Yes
Super Resolution		–
Dual database processing		Yes
Digital Contrast Optimizer		Yes
Digital Focus Optimizer		Yes
Dynamic contrast control		Dynamic laser control
Motionflow		Yes
HDR Format		HDR10/HLG
3D		Yes
Picture position memory		5
Input lag reduction		Yes (4K/2K)
Acoustic noise*3		33-39 dB
Power requirements		AC 200-240 V, 50/60 Hz, AC 100-120 V, 50/60 Hz (Brightness is dimmed.)
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")
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		Approx. 51 kg / 112 lb.
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		VPLL-Z8008 (Short throw lens)

*1 Display size : 16:9   *2 The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
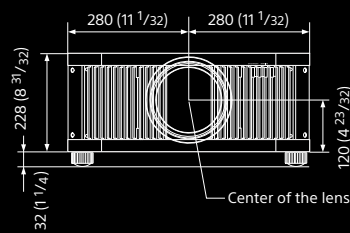*3 Depends on the projector setting condition and usage environment.
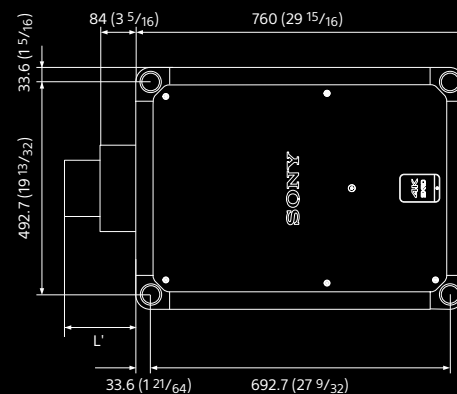
Dimentions

Unit : mm (inches)

CONNECTOR PANELS

FRONT

280 (11 1/32)   280 (11 1/32)
228 (8 31/32)
120 (4 23/32)
32 (1 1/4)
Center of the lens

VPLL-Z8014 (Bundled) : L'= 173 (6 13/16)
VPLL-Z8008 (Optional) :L'= Wide 184 (7 1/4) / Tele 175 (6 7/8)

BOTTOM

84 (3 5/16)   760 (29 15/16)
33.6 (1 5/16)
492.7 (19 13/32)
L'
33.6 (1 21/64)   692.7 (27 9/32)

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