

SONY

SRX-T615

4K digital projector for industrial, visualisation and simulation applications



Overview

Project bright, consistent, high-contrast 4K images with flexible installation and exceptional operating versatility.

Building on Sony's acclaimed 4K digital cinema technology, the SRX-T615 has been specially optimised for use in a wide range of industrial visualisation and simulation applications.

Detail-packed 4K resolution plus very high brightness, colour accuracy, uniformity and contrast make the SRX-T615 ideal for a wide range of industrial applications, from automotive and manufacturing design to architecture. It's also ideally suited to the creation of high-impact visual projections at theme parks, museums, planetariums and other visitor attractions.

Offering a high 18,000 lumen brightness, the SRX-T615 projects Ultra-High Definition images with a native resolution of 4096 x 2160 pixels. With four times more detail than Full HD, it's easy to resolve the finest on-screen details. Evolved from digital cinema technology, the updated 4K optical engine delivers an industry-leading contrast ratio of 12,000:1 for incredibly bright, punchy images with immense dynamic range.

A choice of lens options allows the projector to be configured rapidly for smooth, flicker-free 3D projection that's uniquely easy on the eye. Edge Blending allows easy creation of even larger images. For instance, pictures from two projectors can be seamlessly presented side by side to create an auditorium-filling 7K x 2K panoramic image (overlapped by 1k).

Reduced running costs are enabled by the innovative multi-lamp array, with six HPM sources in individual cartridges making lamp replacement easier and safer. Reduced risk of 'dark screen' lamp outages is complemented by fail-safe reliability, plus greater operating flexibility with the ability to select the number of lamps lit to meet the needs of different applications and venue sizes. Lengthened lamp-exchange cycles and reduced maintenance requirements contribute further to lower running costs.

For even greater operating flexibility, the projector can be installed within +/- 45 degree (up/down) and +/- 10 degree (left/right) tilt ranges (with LKRM-U450 lamp), enabling use in a wide range of visual simulation and visitor attraction applications.

Features

- **See every detail with true 4K picture quality**

The SRX-T615 projects Ultra-High Definition images with a native resolution of 4096 x 2160 pixels – that’s four times more detail than 2K projection or Full HD. The Sony-developed 4K SXRD panel is complemented by a specially designed large-aperture lens that’s optimised for 4K projection to resolve incredible amounts of on-screen detail. The projector is factory calibrated to support an sRGB colour space: support for Adobe RGB and DCDM colour spaces can also be specified as an option.

- **Industry-leading 12,000:1 contrast ratio**

The projector’s advanced optical engine creates uniquely high-impact, lifelike 4K images with a contrast ratio of 12,000:1 for dark, saturated blacks and sparkling highlights.

- **Efficient, easy to handle HPM multi-lamp array**

The projector’s innovative multi-lamp array uses six separate HPM (High Pressure Mercury) lamp sources. Each lamp is housed in its own individual cartridge, making replacement easier than conventional Xenon sources with no special safety equipment or handling precautions. The number of lit lamps can be selected to precisely control light output levels to suit different projection requirements, as well as reducing power consumption and optimising individual lamp replacement time.

- **Interleaved lamp control for longer life**

The projector can automatically switch between different combinations of two or three lamps at each switch-on, or at regular intervals. This helps prolong individual lamp replacement cycles, while also ensuring a more gradual, gentle decrease in light output level over time.

- **Lamp fail-safe for resilient operation**

The SRX-T615 can detect if one lamp fails during projector operation, automatically turning on another lamp within three seconds to maintain resilience and continuity of light levels. (NB: fail-safe mode is not available when projector is operated with all 6 lamps lit).

- **Easy-on-the-eye 3D**

Available as an option, Sony’s unique dual lens system displays 3D content at native 2K resolution. Separate Left and Right eye images are projected continuously for crisp, easy-on-the-eye 3D viewing that’s more realistic and comfortable to watch than other systems.

- **Create super-sized images with edge blending**

Edge blending allows images from multiple projectors to be ‘tiled’ seamlessly to create super-sized image displays. There’s no limit to the maximum number of projector images that can be combined – vertically and/or horizontally.

- **Easy, flexible installation**

The SRX-T615 allows flexible installation in a wide range of environments. For even more versatile operation, the projector can be installed and operated within +45/-10 degree (up/down) and +/-10 degree (left/right) tilt ranges (with LKRM-U450 lamp). Image flip allows instant left/right or up/down reversal of the projected image for use in various applications.

Technical Specifications

Display System	
● Display System	4K SXRD projection system

Display device	
● Size of effective display area	1.48" x 3 SXRD
● Number of pixels	26,542,080 (4096 x 2160 x 3) pixels

Projection lens	
● Focus	Powered
● Zoom	Powered
● Lens shift	Manual

Light source	
● Type	High-pressure mercury lamp
● Wattage	6 x 450 W or 6 x 330 W type

Recommended lamp replacement time *1	
● 450W lamp	2000 H
● 330W lamp	3000 H

Light output	
● 6 x 450 W lamp	18,000 Center lumens / 17,000 lumens*2
● 6 x 330 W lamp	13,500 Center lumens / 12,500 lumens*2

Contrast ratio	
● Contrast ratio	12,000:1

INPUT OUTPUT (Computer/Video/Control)	
● HDMI (2 inputs)	Digital RGB/Y Pb/Cb Pr/Cr
● Optional slot for Baseband (DVI-D*3, 3G SDI*4)	Up to 4K 60p 4:4:4 12bit
● REMOTE	RS-232C connector: D-sub 9-pin (female)
● LAN	RJ-45, 10BASE-T/100BASE-TX
● INTERLOCK	D-sub 15-pin

Installation capability	
● Tilt angle	-10 degree to +45 degree (with 450 W lamp) -10 degree to +5 degree (with 330 W lamp)
● Rotation angle	-10 degree to +10 degree (with 450 W lamp) -10 degree to +10 degree (with 330 W lamp)

Operating temperature / Operating humidity	
● Operating temperature / Operating humidity	5°C to 35°C (41°F to 95°F) / 35% to 85% (no condensation)

Storage temperature / Storage humidity	

● Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
Power requirements	
● Power requirements	AC 200 V to 240 V, 21.5 A to 18 A, 50/60 Hz, Single Phase
Dimensions (W x H x D)	
● Dimensions (W x H x D)	Approx. 548 x 634 x 1119 mm (21 5/8 x 25 x 44 1/8 inches)
Mass	
● Mass	Approx. 143 kg (315.3 lb)
Optional accessories	
● Replacement lamp (6 pack)	LKRM-U450/LKRM-U330/LKRM-U331
● Replacement lamp (Single pack)	LKRM-U450S/LKRM-U330S/LKRM-U331S
● Projection lenses (2D)	LKRL-Z511/LKRL-Z514/LKRL-Z519
● Projection lenses (3D)	LKRL-A502/LKRL-A503
● 3D Lens Filter	LKRA-005
● Lens Change Table	LKRA-008
Notes	
● *1	The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
● *2	Those brightness are measured in accordance with ISO 21118. It is usually called "ANSI lumen".
● *3	DVI-D input board: QMCB-DVI (manufactured by 3rd party)
● *4	3G SDI input board: QMCB-SDI (manufactured by 3rd party)

Accessories

Lamps



LKRM-U330
330W x 6 projection lamp



LKRM-U330S
Replacement lamp for the LKRM-U330 x6 pack



LKRM-U331
6 x 330W 4K digital cinema projection lamp



LKRM-U331S
Replacement lamp for the LKRM-U331 x6 pack



LKRM-U450
6 x 450W 4K digital cinema projection lamp



LKRM-U450S
Replacement lamp for the LKRM-U450 x6 pack

Lenses



LKRL-A502
Combined 3D Dual Lens for the SRX-T615, SRX-R515P and SRX-R510P



LKRL-A503
Combined 3D Dual Lens for the SRX-T615, SRX-R515P and SRX-R510P



LKRL-Z511
Superb 4K Lens for the SRX-T615, SRX-R515P and SRX-R510P



LKRL-Z514
Superb 4K Lens for the SRX-T615, SRX-R515P and SRX-R510P



LKRL-Z519
Superb 4K Lens for the SRX-T615, SRX-R515P and SRX-R510P

Other Accessories



LKRA-008
Lens Change Table for the SRX-R500 Series