SONY

SRX-R510DS

Dual 4K cinema projection solution

Overview

Beautiful 4K pictures, with industry-leading contrast, low operating costs and easy set-up

The SRX-R510DS combines two DCI-compliant SRX-R510 projectors - delivering a total maximum brightness of 18,000 lumens, plus low ownership costs compared with conventional Xenon-based projectors achieving similar light levels.

The SRX-R510DS projector pair can be operated either side-by-side or stacked vertically to suit any projection booth. Set-up is quick and easy, using the smart auto alignment system that comes included with the package.

Audiences are pulled right into the action with immersive 4K detail and rich, lifelike colour. Utilising the 8,000:1 contrast ratio performance of the SRX-R510 projector head, the SRX-R510DS assures best-possible image quality with deep blacks and sparkling highlights.

The reliable HPM (High Pressure Mercury) multi-lamp array ensures show continuity by removing the risk of 'dark screen' outages. Even if one lamp fails during the performance, presentation continues uninterrupted at slightly reduced brightness, without impairing audience enjoyment of the show. Replacement of individual lamp cartridges between screenings is

quick and easy, with no need for special protective clothing. Operators can also elect to run each show with a reduced number of lamps lit in line with their operational preferences.

It's quick and easy to reconfigure the SRX-R510DS between 2D and 3D presentation without requiring lens swaps. Unlike other 'triple flash' solutions, 3D with the SRX-R510DS is smooth, natural and easy on the eye.

Features

High quality 4K projection solution
The SRX-R510DS combines two DCI-compliant SRX-R510 4K projectors to deliver an 18,000 lumen total maximum light output. This dual configuration delivers reference light levels for 2D presentation on screens up to 13.8m 45.4ft-L on white screen with 1.5 gain), or 3D on screens as large as 17m (55.9ft-L on silver screen with 2.2 gain).

True 4K images for the highest on-screen picture quality
The SRX-R510DS projector pair delivers true 4K projection conforming to DCI specification, with 4096 x 2160 pixels - four times the resolution of 2K and Full HD. Each projector's large aperture F2.5 lens is made from ELD (Extra Low Dispersion) glass to ensure the highest quality 4K images.

Rapid, easy set-up with supplied auto alignment system
The smart auto alignment system that comes included ensures accurately calibrated images across the whole cinema screen. Alignment can also be performed easily at any time during routine maintenance to ensure optimal performance.

Rapid, easy configuration for 2D or smooth, easy-on-the-eye 3D presentation
Reconfiguration for 2D or 3D presentation between screenings is

quick and easy, requiring only the addition of static 3D filters to each projector and no lens swaps. Unlike other 'triple flash' solutions, Left and Right eye images are projected continuously for smooth, natural 3D that's easy on the eye.

High contrast for lifelike images

Each projector's optical engine can deliver extremely high contrast (up to average 8000:1) images, giving more lifelike pictures with sparkling highlights and dark blacks.

Cost effective HPM multi-lamp technology for high reliability and safe, easy lamp replacement

Both projectors feature an innovative HPM multi-lamp array that delivers excellent brightness and image quality with lowered running costs. The system continues operating at slightly reduced light levels, even if one lamp source fails unexpectedly. Replacement of individual lamp cartridges is quick and easy, requiring no protective clothing or special safety measures.

Flexible, secure installation

The SRX-R510DS can be operated conveniently side-by-side or with both projectors stacked vertically to suit virtually any projection booth. Each projector's body structure forms a security enclosure specifically developed to comply with the FIPS-140/2 physical security and anti-tamper requirements specified by the DCI. Both projectors are linked by a DCI compliant security conduit.

High speed content ingest/transfer and high capacity storage

Quick ingest with high network transfer speeds via USB 3.0 assists theatre managers with flexible show scheduling. Storage capacity is expandable from 4TB up to a maximum 8TB.

Larger size GUI

The large 15-inch Graphical User Interface (GUI) allows easy projector set-up, content management and creation of complete

show schedules.

Integrated cinema server and media block with Dolby Atmos support

Included with the system, the XCT-S10 cinema server and XCT-M10 integrated media block (IMB) support optional Dolby Atmos for a thrillingly immersive surround sound experience.

Specifications

Display system	
Display system	4K SXRD projection system

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

Light source	
Type	High-pressure mercury lamp
Wattage	450 W or 330 W type (4 lamps per projector)

Light output (average)	
	Max 18,000 lm

450 W lamp x 4

INPUT OUTPUT

Video input	HDMI (1) *2
Audio output	Unbalance, 8 channels, 24 bit, 48/96 kHz, linear PCM, D-sub 25-pin (female) (1) AES/EBU, 16 channels, 24 bit, 48/96 kHz, linear PCM, D-sub 25-pin (female) (1)

Playback format

JPEG 2000	4K 2D: 24p 2K 2D: 24p/25p*3/29.97p*3/30p*3/48p/60p 2K 3D: 24p/29.97p*3/30p*3/48p/60p
MPEG2*4	MP@HL, YUV420 /422 8 bit, 80 Mbps (max.) bitrate, 1920 × 1080, 23.98p/24p/25p

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 per projector

Dimensions (W x H x D)

Dimensions (W x H x D)*5	Approx. 548 x 634 x 1119 mm (21 5/8 x 25 x 44 1/8 inches) per projector

Mass

Mass	Approx. 393 kg total system weight (excluding pedestals)

Optional accessories

Replacement lamp (6 pack)	LKRM-U450/LKRM-U331

Projection lenses (for 2D & 3D)	LKRL-Z511/LKRL-Z514/LKRL-Z519
3D lens filter	LKRA-011

Notes	
*1	The value is average.
*2	Audio signals included in HDMI cannot be output from the audio output connector of this unit.
*3	Digital watermarking (Watermarking) is not supported.
*4	Digital watermarking (Watermarking) and playback of subtitle files are not supported.
*5	Including lens shift block and feet. Excluding touch panel monitor and projection parts (Status lights, ducts, etc.)
Environmental notice for customers in the USA	Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local

authorities or see
www.sony.com/mercury for
additional information.

Gallery