

SONY®



4K Digital Cinema Projectors

SRX-R220

SRX-R210

Sony is proud to introduce two ultra-high resolution projectors designed specifically for digital cinema applications, the SRX-R220 and the SRX-R210. Both projectors use a Silicon X-tal Reflective Display (SXRTM) imaging device to realize the extremely high 4K (4096 H x 2160 V pixels) resolution defined by the Digital Cinema Initiatives, LLC (DCI). This SXRTM device also provides an SMPTE-standard brightness level: 14 ft-L on a 20-meter (65.6-foot) wide screen for the SRX-R220 and a 17- or 14-meter* (55.8- or 45.9-foot) wide screen for the SRX-R210, along with a high contrast ratio of over 2000:1.

Tailored to meet DCI specifications, the Sony SRX-R220 and SRX-R210 offer uncompromising picture performance and functionality for demanding digital cinema applications.


*The SRX-R210 provides two different brightness levels depending on the lamp bulb used:

- 14 ft-L on a 17-meter (55.8-foot) wide screen with an optional 3.0 kW lamp bulb.
- 14 ft-L on a 14-meter (45.9-foot) wide screen with an optional 2.0 kW lamp bulb.

Preliminary

Features

- High brightness levels
 - SRX-R220: 14 ft-L on a 20-meter (65.6-foot) wide screen* with an optional 4.2 kW lamp bulb
 - SRX-R210: Two different brightness levels can be selected according to the screen size requirement.
 - 14 ft-L on a 17-meter (55.8-foot) wide screen with an optional 3.0 kW lamp bulb
 - 14 ft-L on a 14-meter (45.9-foot) wide screen with an optional 2.0 kW lamp bulb
- Outstanding resolution of 4K (4096 H x 2160 V pixels)
- Silicon X-tal Reflective Display (SXR D) imaging device


- High contrast ratio of over 2000:1
- Xenon lamp provides a highly bright and pure light source
- Optional Image Media Block (LMT-100), Screen Management System (SMS), and Cavity Security System (CSS) are available. These can be incorporated in the SRX-R220 and SRX-R210 body.
- Range of lenses
- Instant recall of zoom and focus positions for VistaVision™ and CinemaScope™ via the Zoom/Focus Memory function
- Lens Shift function
- Color Space Conversion function
- Lamp power adjustable in 1% steps
- Keystone Masking function for standard and curved screens
- Inputs:
 - RGB 4:4:4 on DC-SDI
 - RGB 4:4:4 on HD-SDI
 - Y/Pb/Pr 4:2:2 on DC-SDI
 - Y/Pb/Pr 4:2:2 on HD-SDI
 - 12-bit X' Y' Z'
 - DVI
 - Two SRLV connectors for connection with Image Media Block
- Equipped with an 8-inch exhaust duct

Specifications

SXR D Device Main Specifications	
Display device	SXR D (Silicon X-tal Reflective Display)
Size	1.55 inches, measured diagonally
Resolution (H x V)	4096 x 2160 pixels
General	
Light output*	
SRX-R220	14 ft-L on a 20-meter (65.6-foot) wide screen
SRX-R210	14 ft-L on a 17-meter (55.8-foot) wide screen with a 3.0 kW lamp bulb, or a 14-meter (45.9-foot) wide screen with a 2.0 kW lamp bulb
Contrast	More than 2000:1
Intra-frame contrast	More than 100:1
Dimensions	Approx. 29 1/4 x 60 1/2 x 55 inches (740 (W) x 1535 (H) x 1395 (D) mm)
Resolution	4096 x 2160 pixels (RGB)
Projection system	3-SXR D Panel Optical Prism Block System
Power requirements	For lamp: 208 VAC (200-208 VAC)/3-phase, 50 Hz/60 Hz or 400 VAC (380-415 VAC)/3-phase, 50 Hz/60 Hz For electric circuit: 100-240 VAC/Single-phase, 50 Hz/60 Hz
Power consumption	3-phase: 5.0 kW for lamp (when using 4.0 kW lamp bulb) Single-phase: 1.2 kW for electric circuit
Electric current	3-phase: 25 A (max.) Single-phase: 12 A (max.)
Operating temperature	+5 to +35 °C (+41 to +90 °F)
Storage temperature	-20 to +60 °C (-4 to +140 °F)
Operating humidity	35 to 85% (without condensation)
Inputs/Outputs	
Input A	DVI-D x1, AUX x1, up to 2048 x 1080 at 60 Hz
Input B	BNC x 4, SMPTE 372M Dual-link HD-SDI (4:4:4), SMPTE 292M HD-SDI (4:2:2), Dual-link DC-SDI (RGB 4:4:4), DC-SDI (Y/Pb/Pr 4:2:2), 12-bit X' Y' Z'
Input C	
Channel A	SRLV x 1 to connect Image Media Block
Channel B	SRLV x 1 to connect Image Media Block
RS-232C	D-sub 9-pin x 1
Safety Interlock	D-sub 15-pin x 1
Ethernet™	RJ-45 x 1, 10Base-T/100Base-TX
Others	
	Designed to meet DCI security requirement (SPB-2)**, including screwless outside body and anti-tamper sensors on all access doors.

* Measured at the center of a 2.39:1 CinemaScope-size screen, with a screen gain of 1.8.
** Compliance certification process is underway.



SONY

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