

# SONY®




## 4K Digital Cinema Projector **SRX-R220**

Sony is proud to introduce an ultra-high resolution projector, the SRX-R220, designed specifically for digital cinema applications. The Silicon X-tal Reflective Display (SXRD™) imaging devices used in the SRX-R220 projector make it possible to realize its extremely high 4K (4096 H x 2160 V pixels) resolution, which is stipulated by the Digital Cinema Initiatives, LLC (DCI). It also provides a brightness level of SMPTE standard 14 ft-L on a 20-meter (65.6-feet) wide screen and a high contrast ratio of 2000:1.

Tailored to meet the DCI specification requirements, the Sony SRX-R220 projector offers uncompromising picture performance and functionality for demanding digital cinema applications.

Preliminary

## Features

- Digital-cinema projector that meets SMPTE standard 14 ft-L on a 20-meter wide screen\*
  - Outstanding resolution of 4K (4096 H x 2160 V pixels)
  - Silicon X-tal Reflective Display (SXRD) imaging device
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- High contrast ratio of 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 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
  - Adjustable lamp power 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
    - YPbPr 4:2:2 on DC-SDI
    - YPbPr 4:2:2 on HD-SDI
    - DVI
    - Two LVDS connectors for connection with Image Media Block
  - Equipped with an 8-inch exhaust duct

## Specifications

SXRD Device Main Specifications	
Display device	SXRD (Silicon X-tal Reflective Display)
Size	1.55 inches, measured diagonally
Resolution (H x V)	4096 x 2160 pixels
General	
Light output	14 ft-L on a 20-meter wide screen*
Contrast	More than 2000:1
Intra-frame contrast	More than 100:1
Dimensions	Approx. 740 (W) x 1550 (H, tentative) x 1395 (D) mm (29 5/32 x 61 1/32 x 54 32/31 inches)
Resolution	4096 x 2160 pixels (RGB)
Projection system	3-SXRD Panel Optical Prism Block System
Power requirements	For Lamp: 208 VAC (180-230 VAC)/3-phase, 50 Hz/60 Hz or 400 VAC (342-456 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 °C to +35 °C (+41 °F to +95 °F)
Storage temperature	-20 °C to +60 °C (-4 °F 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 2, 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 (YPbPr 4:2:2)
Input C	LDVS x 1 to connect Image Media Block
Input D	LDVS 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 screen center, with a screen gain of 1.8

\*\* Compliance certification process is underway.

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