SHARP

Reliable Laser Projection Designed to Keep Your Screens Shining

NC1224 and NC1424 Laser Projector

Digital Cinema Projector Series





Keep audiences engaged with stunning visuals while reducing the costs and maintenance demands of traditional cinema projection.

The NC1224 and NC1424 laser projectors deliver bright, vibrant 2K DCI-compliant images for small and mid-sized screens, helping theater operators provide a premium viewing experience with confidence. Featuring a maintenance-free laser light source with an estimated 50,000-hour* lifespar these projectors minimize downtime and service requirements while lowering total cost of ownersh Capable of producing 14 ft-L on screens up to 55.4 ft. (16.9 m)** in DCI color, they combine reliable operation and consistent image quality for years of dependable performance.

Customer Benefits

Reduce operating costs and maximize uptime
- Maintenance-free laser light source with an estimated 50,000-hour* lifespan
- Eliminate lamp replacement expenses and associated labor costs
- Reduce spare-parts inventory requirements
- Spend more time serving customers and less time maintaining equipment

Create an unforgettable movie experience
- Bright, vibrant 2K DCI-compliant image quality
- Rich color reproduction for immersive viewing
- Supports captivating 3D content to enhance audience engagement

Install with greater flexibility
- No exhaust system required
- Supports floor or ceiling installation
- Adapts to a variety of booth and theater configurations

* At normal usage conditions and does not constitute the warranty period.

** Assuming 1.8:1 gain screen

Designed for Dependable Performance

Keep every show running smoothly
- Laser illumination eliminates the risk of sudden lamp failure and unexpected dark screens
- Consistent brightness delivery helps maintain presentation quality over time

Deliver a better experience for every audience
- Linear brightness decline provides more predictable image performance
- High-quality visuals help create memorable cinema experiences that encourage repeat visits

Enjoy long-term value
- Up to 50,000 hours* of operation lowers total cost of ownership
- Reduced maintenance and service requirements help maximize profitability

Experience rich, vibrant color
- Advanced RB laser system combines red and blue lasers with green phosphor technology
- Produces exceptional brightness and a wide color spectrum for a premium cinema presentation

Built for Long-Term Reliability

Sharp's patented heat exchanger and sealed optical engine help protect critical components from dust and environmental contaminants, supporting consistent image quality, reliable operation, and greater peace of mind for theater owners.

Unique Features

MAINTENANCE-FREE

Operation for approximately 50,000* hours with long life of the light source and DMD.

SIMPLE OPERATION

One touch operation, keypad layout and memory functions.

MANY LENS OPTIONS

For easy installation.

HIGH FRAME RATE (HFR) CAPABILITY

For outstanding picture quality.

Accessories

Optional Lenses NC12ZSA1, NC13ZSA1
NC16ZSA1, NC20ZSA1

Ordering Model Numbers

NC1224

NC1424





Model Number			NC-1224	NC-1424
OPTICAL	Projection Method		3-chip DLP Cinema® Technology	
	Light Source		Laser Light Source	
	DMD Specifications		0.69" S2K DLP Cinema® Chip	
	Resolution	Native	2048 x 1080	
	Brightness (Lumens)		12,000	14,000
	Light Source Life (up to)		50,000* hours	
	Supported Screen Size (width)		Up to 15.6m	Up to 17m
	Throw Ratio	NC12ZSA1	1.2 - 1.72:1	
		NC13ZSA1	1.33 - 2.1:1	
		NC16ZSA1	1.62 - 2.7:1	
		NC20ZSA1	2.09 - 3.9:1	
	Projection Distance		0.9 - 10.9m	
	Tilt Angle		+/-15° (Up / Down) '+10° (Left / Right)	
	Zoom		Motorized	
	Focus		Motorized	
	Lens Shift		+/-50% Vertical, +/-11% Horizontal	
	Cooling Method		Air and liquid cooling inside	
CONNECTIVITY			1x3D(D-sub 15pin female), 1xGPIO(D-sub 37pin female), 1xUSB(Type-A), 1xLAN(100Base-T, RJ45), 1xSERIAL(RS-232C, D-sub 9pin female)	
ELECTRICAL	Power Requirements		200 – 240V AC, 50/60Hz Single Phase	
	Input Current		10.5A	
	Power Consumption		1587W	1837W
	Heat Load (max. power)		5415 BTU	6268 BTU
MECHANICAL	Product Dimensions (WxHxD)**		700 x 288 x 812mm	
	Net Weight		68 kg (excluding lens)	
	Shipping Dimensions (WxHxD)		909 x 484 x 1132 mm	
	Gross Weight		81.5 kg	
	Fan Noise		50dB	
ENVIRONMENTAL	Operating	Temperature	10-35°C	
		Humidity	10 to 85% Humidity (Non-Condensing)	
		Altitude	0 to 3000 m	
	Storage	Temperature	-10 50°C	
		Humidity	10% - 85% (non-condensing)	
		Altitude	0-12,000m (above sea level)	
REGULATIONS	Australia/NZ		IEC62368-1:2018 3rd Edition, EN 55032:2015, RCM	
Laser Safety	Australia/NZ		IEC60825-1 Ed.3:2014 Class 1 IEC62471-5 :2015 Risk Group 3, Laser Notice No. 57	
LIMITED WARRANTY			Registered owners receive a 3-year limited warranty	

* At normal usage conditions and does not constitute the warranty period.

** Without lens and protrusions

*** Without lens

DO NOT LOOK DIRECTLY INTO THE BEAM

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