SHARP

# NC723 and NC1023 Laser Projector

## Digital Cinema Projector Series

### DCI-compliant laser light source projector

The NC723 and NC1023 feature a built-in laser light source and is the ideal digital cinema projection solution for theaters with small screens or projection booths that are looking for high-quality cinema projection. This projector's reliability, maintenance-free operation and approximately 50,000* hours of lifetime result in an overall lower total cost of ownership. The 2K DCI-compliant cinema quality means an outstanding image that is bright enough to display 14 ft-L on screens up to 45.9 ft./14m** in DCI color.

### Delivering Genuine Benefits

- Maintenance-free operation for a long period of time with approximately 50,000* hours expected usage of the light source and DMD
  -Higher reliability
  -Lower running cost due to savings of:
  (a) No lamp replacement
  (b) No maintenance labor
  (c) No need of Stocking Lamps

- Play captivating 3D content - take your establishment into the next generation and stay ahead of the competition with the latest digital content, an increasingly essential element of the latest movies and media

- Highly flexible - as no exhaust system is required, both the NC723 and NC1023 are suitable for floor and ceiling installation and versatile content playback

### Outstanding Performance

- Steady and reliable operation without any risk of black screen
  - No downtime while exhibition of contents with Laser Light Source, with which brightness may slightly decrease

- Longevity and lower maintenance provide for greater customer satisfaction with the introduction of the laser light source NC723 and NC1023 projectors.

- Enjoy lower TCO - up to 50,000* hours of lifetime keeps costs to a minimum. You can enjoy better quality imaging while experiencing an overall lower cost of ownership. Brightness decreases in a linear fashion resulting in consistent image quality and greater satisfaction for your customers.

### Super Dust Protection

- Sharp's patented heat exchanger along with a newly developed and sealed optical engine offer the best overall performance while providing theater owners a greater piece of mind.

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

** Assuming 1.8:1 gain screen

## 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

NC723
NC1023

| Model Number | | | NC723 | NC1023 |
|---|---|---|---|---|
| Optical | Projection Method | | 3-chip DLP Cinema® Technology | |
| | Light Source | | B Laser Light Source | |
| | DMD Specifications | | 0.69″ S2K DLP Cinema® Chip | |
| | Resolution | Native | 2048 x 1080 | |
| | Brightness (Lumens) | | 7,000 | 9,500 |
| | Light Source Life (up to) | | 50,000* hours | |
| | Supported Screen Size (width) | | Up to 39.4 ft. / 12m | Up to 45.9 ft. / 14m |
| | Throw Ratio | NC-12ZSA1 | 1.2 - 1.72:1 | |
| | | NC-13ZSA1 | 1.33 - 2.1:1 | |
| | | NC-16ZSA1 | 1.62 - 2.7:1 | |
| | | NC-20ZSA1 | 2.09 to 3.9:1 | |
| | Projection Distance | | 0.9 - 10.9 m | |
| | Tilt Angle | | +10/- 15° (Up / Down) | |
| | Zoom | | Motorized | |
| | Focus | | Motorized | |
| | Lens Shift | | -0.5 to +0.5 Vertical, +/-0.11 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 | | 9.5A | |
| | Power Consumption | | 1050W | 1500W |
| | Heat Load (max. power) | | 3583 BTU | 5118 BTU |
| MECHANICAL | Product Dimensions (WxHxD)** | | 700 x 288 x 812mm | |
| | Net Weight | | 69 kg (excluding lens) | |
| | Shipping Dimensions (WxHxD) | | 909 x 484 x 1132 mm | |
| | Gross Weight | | 83 kg | |
| | Fan Noise | | 46dB | 48dB |
| ENVIRONMENTAL | | | | |
| Operating | Temperature | | 50-96°F / 10-35°C | |
| | Humidity | | 10 to 85% Humidity (Non-Condensing) | |
| | Altitude | | 0 to 3000 m (9,800 ft) | |
| Storage | Temperature | | -10 50°C | |
| | Humidity | | 10% - 85% (non-condensing) | |
| | Altitude | | 0-12,000m / 0-39,370ft (above sea level) | |
| Regulations | Australia/NZ | | IEC62368-1:2018 3rd Edition, EN 55032:2015, RCM | |
| Laser Safety | Australia/NZ | | IEC60825-1:2014 Ed.3 Class 1, IEC 62471-5:2015 Risk Group 3 | |
| Limited Warranty | | | Registered owners receive a 3-year limited warranty. | |

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

** At overdrive setting off

*** Without lens and protrusions

**** Without lens

DO NOT LOOK DIRECTLY INTO THE BEAM

SHARP CORPORATION OF AUSTRALIA PTY LTD
Tel: 1300 135 022 – Email: VisualSolutions@sharp.net.au – www.sharp.net.au

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