

Sharp NEC Display Solutions

Sharp/NEC's policy regarding retrofit of laser light source in lamp-based projectors

Sharp NEC Display Solutions has a long heritage in projection technology. We are specialists in cinema projection, and we understand what is important to theatre operators and to their movie-going customers. The provision of innovative, reliable, and safe products is paramount and will never be compromised.

Reliability and safety

Maximising per-seat revenue is business critical for cinema operators who demand reliability and long-lasting performance from their cinema equipment to ensure optimal usage, minimal downtime and the best possible movie experience, time after time. Sharp/NEC achieves the lowest failure rates in the industry, and we are proud of our robust service and support which is well received by our customers.

Market leading innovation

Always striving to bring to market products which directly address the needs of the cinema industry, we introduced the World's first and most successful UHP lamp projector providing a compact and cost sensitive cinema solution. The World's first RB cinema projector was introduced by Sharp/NEC as an almost speckle free projection solution combining value and high quality.

No compromise to quality

Our policy is to not offer a laser retrofit solution for lamp-based cinema projectors. This approach safeguards the integrity of our high-quality cinema solutions. We believe that any retrofit would compromise reliability, safety and performance levels leading to a less than satisfactory customer experience.

Beware of risk to public safety

We do not authorise any third-party modification. We advise the following risks:

- Any non-authorized third-party modification would invalidate the manufacturers' warranty and warranty extension.

- Non-approved modifications will compromise DCI product compliance. DCI certification is a mandatory requirement by all studios to ensure best picture quality and failure to achieve certification could lead to loss of content.
- Manufacturers are fully responsible for the safety of their equipment. Sharp/NEC is meticulous in its safety testing procedures to ensure there is no electrical, thermal or laser related risk to public safety. A projector's thermal design is highly complex, and any modification could seriously impact its integrity leading to accelerated aging of electrical and optical components leading to a very real risk to public safety due to fire. Furthermore, the light energy risk group (RG) classification and hazardous distance of high light energy (HD) must be defined by the manufacturer. The retrofit process from lamp to laser light source immediately voids all safety design calculations and compliance. Any non-authorized modifications will place all responsibility on the cinema owner who becomes solely responsible for any damage or compromise to public safety.

It is important to note that whilst it is possible to replace an existing projector light source with a new laser light source, the remaining components will still be aged. Any projector component more than 10 years old will be susceptible to failure. It does not make sense to invest in a new laser light source only to risk failure in other parts.

The no-risk solution

We strongly believe that it is in the best interests of the cinema operator to replace older lamp-based projectors with a new Sharp/NEC laser projector. The cinema operator benefits from a safe, reliable and energy efficient solution whilst his movie-going customers enjoy the best possible cinema experience. All risks eliminated.

[Find out more about the Sharp/NEC Digital Cinema Solutions](#)

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