

C3X Projector

The world's **SMALLEST**,
State-of-the-art 3-chip
DLP-based projector



Key Points

- COMPACT 3-chip [DLP™](#)-based Light Engine by SIM2
- Customized lenses and prisms
- Extraordinarily vibrant colors and true blacks
- Excellent contrast ratio: 6500:1 typical
- Supreme flexibility of spurious particles-free, high quality glass lens options
- Solar brightness
- SIM2's Live Color Management and Gamma correction
- Latest generation [DLP™](#) technology
- Future-proof inputs
- HD Ready
- Extremely compact
- Aggressive cabinet design

COMPACT 3-CHIP [DLP™](#)-BASED LIGHT ENGINE BY SIM2

The core and most critical component in a Home Cinema Front Projection unit has always been its light engine. Image accuracy of a projector is governed by the quality of this piece of precision optical engineering. A delicate balance is required between light engine, [DLP™](#) chipset and control electronics, in order to optimize the performance of each. Building on its heritage of high-end light engine design, SIM2 developed a new innovative system to re-size the illumination optical path whilst

maintaining BOTH its length (necessary for correct picture aberration control) AND its compactness (required for installation and interior-design constraints). This folded light path, patented and named ALPHA Path™, is the result of SIM2's advanced R&D optical and thermal analysis. Perfect management of the internal light path, without any kind of scattering or thermal dispersion, is achieved by utilizing a special coating on the inner surface, together with the prisms' TIR (Total Internal Reflection) control and optimized Relay Optics. SIM2 customized optical components: lenses and prisms. This combination defines the amazing contrast ratio achieved by the C3X.

EXTRAORDINARY VIBRANT COLORS AND TRUE BLACKS

The Grand Cinema™ C3X blends outstanding sharpness and image stability with terrific black depth and contrast. The DarkChip™3, coupled with SIM2's light engine, offers an excellent contrast of 6500:1 (typical) and image richness: it paints an inky blackness, colors are stunning, each shade drenched in eye-catching opulence. Progressive scan support from any incoming signal is provided by the latest deinterlacer and video enhancer. Sometimes meeting customers' needs is as simple as building the right product.

SELECTION OF 2 HIGH QUALITY LENSES

For ease of installation, the projector sports the supreme flexibility of two, new spurious particles-free, high quality glass lens options, namely T1 (optional lens with long throw ratio: 1,5-2:1) and T2 (standard lens with long throw ratio: 2-3:1), making it possible to project an immaculate image on a big screen. Additional zoom lenses are being implemented to fit all customers' necessities.

SOLAR BRIGHTNESS

The Grand Cinema™ C3X is an exceptionally flexible projector, designed to optimise lamp efficiency and lifetime despite the compact size of the cabinet. Featuring a 250W lamp, the image displayed reaches a peak of 2500 ANSI Lumens (typical) and is bright enough to overcome normal levels of background lighting. The Grand Cinema™ C3X has also been designed to minimize maintenance operations: a detachable lamp unit eases replacement of the lamp. Just extract the lamp case holder from the base of the projector and replace it with a new one: an activity that any Customer Service can manage without difficulties.

SIM2'S THERMAL MANAGEMENT - THE BASIC CONCEPT

Accurate thermal and fluid-dynamics analysis has been carried out by SIM2 R&D to design the Grand Cinema™ C3X, avoiding light spill and overheating of the light path. The cooling fan's intake and exhaust are on the unit's side, a special "auto" function allows the Grand Cinema™ C3X to adapt and optimize the speed of the fans depending on the external room temperature. Therefore, fan activity can be minimized, reducing noise level.

THE C3X CHIPSET

The Grand Cinema™ C3X is one of the first 3-chip projectors to adopt the new generation HD2+ DarkChip™3, commonly referred to as the DC3 chip. The DC3 chip embraces a series of refinements aimed at enhancing performance, including a light absorbent coating on its rear to boost contrast and colour uniformity. The surface of the chip is flatter and more reflective than its predecessors, while smaller mirror hinges and closer mirror spacing help to reduce the pixel structure and increase brightness. DLP™ technology comes closer than any other display solution to

reproducing the exact mirror image of its source material without the pixellation or "screen door" effect apparent in other technologies. Also, while most other technologies lose a certain amount of light in transit, the microscopic mirrors in a [DLP™](#) projection system deliver more light from lamp to screen.

THINK SLIMMER

Big, bulky, 3-chip projectors are in their waning days thanks to SIM2's new Grand Cinema™ C3X projector. The C3X is extremely compact, measuring only 435x190x430mm (WxHxD) and weighting a mere 11 Kg (-70% and -50% respectively compared to other 3-chips). Indeed, a full blown, top quality 3-chip projector in a case half the size you'd normally expect such performance levels to come from.

AMAZINGLY ATTRACTIVE

For many, the cabinet design of a product is almost as important as its performance, particularly when it will be placed in the middle of a living room. The Grand Cinema™ C3X is elegance at its best; a projector that deserves to be placed on view. Featuring a new, more aggressive design, its smooth curves are in trend with previous Grand Cinema™ models and are easy on the eye. No need to conceal it; the C3X can be happily left out in the room where it is guaranteed to attract envious praise from visiting friends.