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Made in Italy	2
Made by SIM2	3
Innovative vision	4
Worldwide success	5
Clear and positive values	6
SIM2 Core technologies	8
SIM2 Fuoriserie	18
SIM2 Grand Cinema Line	20
SIM2 M. Line	32
SIM2 Domino Line	38
SIM2 HB Line	48
Italian design and color palette	58
The accessories collection	60

Made in Italy

The “Made in Italy” mark represents the production quality, the creativity and the style for which Italy is famous all over the world. For a product to carry such a prestigious mark, it must be truly representative of the very best in Italian design, technology and production values. SIM2 is an Italian company that wears its “Made in Italy” mark with pride. For sixteen years the company has designed and manufactured products that are truly deserving of this world-recognized symbol of excellence. For Italian brands like SIM2, success is built on a tradition and history of designer brands, successful ideas, design and product culture, and Italy’s own inimitable style.



“Made by SIM2”

Standing proud in the home theater and digital cinema landscape, dominated by the multinational giants, is an Italian company recognized as the epitome of excellence: SIM2. A business that has been taking on and overcoming the challenges laid down by the market and new technologies time and again during the last 15 years, earning an outstanding reputation worldwide for the innovation, performance, quality, design and comprehensive coverage of our product range. SIM2 is the reference standard brand for motion picture and visual communication professionals, as well as home theater enthusiasts who demand the best. Every day, we commit our extensive resources and efforts in the pursuit of a single objective: absolute excellence. This is what makes the SIM2 brand synonymous with a level of performance, passion and prestige that no other brand can offer - rewarding you with not only superior viewing quality, but also an improved quality of life.

Innovative vision

Since 1995, SIM2 has devoted 20% of its human resources and 10% of its turnover to research and development: and the results speak for themselves. Year after year, SIM2 has set new standards in performance and design, with unprecedented innovations and international patents, such as ALPHAPATH™, a masterpiece of precision optics in a compact package. We are the people who brought DLP® technology into professional movie theaters and homes alike. Used by the Hollywood Studios, this technology from Texas Instruments offers extraordinary image clarity that brings out the smallest details, even in high-speed sequences, delivering exceptional long-lasting performance.

Awards for Excellence: SIM2's commitment to continuous improvement, along with the exceptional content of our products in terms of both technology and design, has earned us international acclaim. Over the course of 15 years, SIM2 has picked up 45 Products of the Year Awards, 34 Reference Product Awards and 40 Best Product Awards from special interest magazines and trade shows.



Worldwide success

Italian style and personality, allied to visions and strategies on a world scale: this sums up SIM2 Multimedia today. From our Pordenone headquarters – located in one of Europe's main industrial districts, just a few miles from Venice – to sales offices in the US, UK, Germany and China, we are a group of companies engaged in five sectors of operation (Home Theater, Command & Control, Professional Venue, Digital Signage and Electronic Cinema), who are now joined by the historic Brionvega brand - one of the greatest protagonists of Italian design and technology. We have a business that spans over 60 countries, either directly or through strategic partnerships with leading distributors, to offer customers the world over the same level of excellence in both products and services.



Clear and positive values

The success enjoyed by SIM2 is also a reflection of its ethical vision based on values that know no boundaries: transparency, responsibility and sustainability. SIM2 technology, quality and design all come together in a positive, healthy and environmentally-conscious workplace. From 1999 to 2008, our Pordenone facility has cut its electricity consumption by 25% and water consumption by 80%: what's more, the plan is to have a photovoltaic system to meet all the company's energy needs. In the meantime, all external lighting is provided by new LED lights, which have been developed and installed by a SIM2 subsidiary (Solight SpA). SIM2's commitment to sustainability starts as early as the research and development stage, with an assessment of the products' environmental impact during the course of their total life cycle (LCA). Our company favors the use of green, recyclable materials and puts all raw materials through certified laboratory testing to rule out harmful substances and reduce the use of potentially pollutant substances, such as lead, mercury, cadmium, chromium, PBB and PBDE. Our company has adopted a "printless" program to reduce paper consumption and organizes regular courses for our personnel on issues related to the environment and sustainability, in collaboration with the University of Padua, one of the most prestigious universities in Europe.



SIM2 ALPHAPATH™ Light Engine

The most critical component in a home cinema front projection unit has always been its light engine. A projector’s image accuracy is governed by the quality of this piece of precision optical engineering. In order to obtain the best projected image quality, a delicate balance is required between the light engine, the DLP® chipset and the control electronics. Building on its heritage of high-end light engine design, SIM2 developed an innovative optical system to re-size the light-path whilst maintaining BOTH its length (necessary for optimum picture control) AND its compactness (required for installation and interior-design constraints). This folded light path, patented and named ALPHAPATH™, is the result of years of SIM2’s advanced R&D optical and thermal analysis.

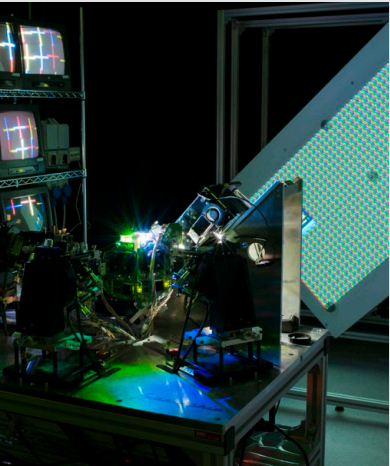
- **Die-cast aluminum body for improved heat management:** a new die-cast aluminum design dramatically improves the thermal management of the light engine, which means SIM2 projectors are now able to use a more powerful lamp to deliver brighter images on-screen.

- **Tapered rod-integrator for greater image uniformity:** The purpose of the rod-integrator is to accept the raw light energy from the lamp and convert it into a pure and refined beam of light. It is also where the light spot from the lamp is turned into a precise 16:9 shape before it illuminates the DMD chipset. This new tapered design helps further improve color uniformity and efficiency of light transmission.
- **New Coatings on the prism assembly to further enhance color performance:** The three DMD’s (Digital Micro-Mirror Device) are mounted directly onto the prism assembly, making the optical purity of this component crucial to the final image quality. New optical coatings have been applied to the prism to further enhance color and picture performance.

SIM2 Unique Implementation of DynamicBlack™ Technology

The DynamicBlack™ technology, coupled with the world-renowned precision optics of SIM2’s ALPHAPATH™ light engine and the latest DLP® chipsets, delivers enhanced contrast and black level performance. This improved black level enables the projectors to produce images that contain the maximum amount of detail possible in dark scenes without compromising black level or the excellent dynamic range available from DLP® technology. SIM2 has developed a unique solution to achieve this, using three distinct specialized components: enhanced DynamicBlack™ technology, a user-adjustable iris and a new dimmable lamp.

SIM2 optical specialists designed a dynamic iris in a non-symmetric and folded shape powered by an ultrafast step motor (similar to those used in hard disc drives), in order to prevent unwanted stray light from contaminating the purity of the optical light path. DynamicBlack™ automatically adjusts the dynamic iris position, relative to the picture content, with microsecond precision, extending the depth of black level and providing richer detail in dark scenes. This extended dynamic range produces a more life-like, three-dimensional quality to the final image.





3D Technology Overview

It is now unquestionable: the era of 3D has officially started. Today, new technologies allow the delivery of images with a strong emotional impact, where the spectator feels completely immersed and involved. SIM2 has embraced this new technological ‘wager’, and today is among the first in the world to offer a series of products for home use, with characteristics that are the same as those at the cinema. How we perceive in 3D: the simple reason why we perceive in 3D is because we have two forward facing eyes with which we observe the world around us (binocular vision). Our eyes are separated from each other by about 6cm (3 inches). As a result, one eye perceives a slightly different image to the other eye, a different shifted perspective. The human brain is wired so that it can combine these two different images. To simulate 3D vision we must therefore ‘trick’ the brain by sending a different image for each eye (stereoscopy). In other words, in order to see a 3D image, one eye must see a different image than the one seen by the other eye. The brain then ‘recombines’ the information related to these two different images, giving the observer a sense of ‘depth’ and therefore a sense of 3D vision. There are different technologies that make this type of vision possible. Thanks to advanced technology and innovation, SIM2 offers the two best and most widely-spread 3D technologies available on the market: active and passive systems. And

DLP® technology provides an image latency time equal to zero, which means perfect 3D images without any annoying crosstalk effect (Ghosting).

- **Active systems** are based on the use of suitably controlled glasses (thereby active) that alternatively block the vision of each eye in quick succession, through the use of shutters. The glasses, which are synchronized with the projector, will view two different images on the screen in a sequential manner (sequential frames), permitting each eye to see only the image dedicated to it.
- **Passive systems**, instead, are typically dual projection systems, and are based on the transmission of two different images at the same time with different characteristics (these could use a polarization system or systems with a different color spectrum), thanks to the specific filters placed in front of or inside the projectors themselves. The use of special glasses, which use filters that complement those on the projectors (thereby passive), make it possible for the observer to enjoy the 3D images produced on screen.

Integrated probe feedback system

Elegant engineering is the blueprint of the Fuoriserie and SIRIO projectors. That also means a smart interaction with the environment. Fuoriserie and SIRIO features a professional probe interfaced system (SIM2 AUTOCAL®) that uses Color Auto-calibration, Ambient Light / Ambient Color Compensation, and Background Light Measure for an onscreen image quality that remains constant despite changes in ambient light.



SIM2’s PureMovie & PureAction

SIM2’s engineers have designed the 3D active system models with three user modes, each optimized for the various demands of movie, sports and 3D viewing:

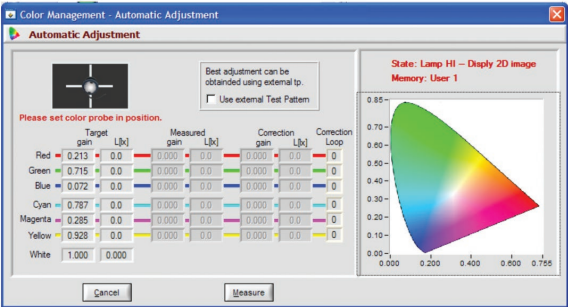
- **PureMovie (2D):** allows a pure presentation of the signal coming from your source: all but the most basic circuitry is bypassed in order to ensure a more “film-like” viewing experience. SIM2’s PureMovie allows the delivery of the widest contrast ratio and deepest black level performance from the projector.
- **PureAction (2D):** has been specifically designed for fast-motion video material, resulting in smooth motion, free from the ‘smear’ or ‘judder’ that can affect the image. The PureAction mode is particularly suited to fast-action sports viewing, where the ability to easily follow the action, regardless of its intensity, is paramount.

- **PureAction 3D:** is SIM2’s implemententation of the next level in reality reproduction: 3D video visualization. PureAction includes the state-of-the-art of 3D technologies - like the Triple Flash - in order to ensure 3D viewing free of flickering, ghosting and motion “shudder” suffered by most 3D displays.

New Live Colors Calibration 2.0 Software

To aid calibration, the SIM2 projectors feature SIM2’s advanced Live Colors Calibration 2.0 software that enables professional calibration of all projection parameters such as complete adjustment of the primary, secondary and white point color coordinates. This PC-based software gives calibration experts unprecedented control over the projector image quality. The image can be further optimized by using one of the four sets of gamma curves available. These can be used to correct for variations in the source material, differing levels of ambient lighting or simply to allow for individual viewing preferences.

- LCC2 New Features:**
- 2 memories per 2D/3D mode – Total of four
 - Target gamut and white point information
 - Color probe feedback from X-rite Hubble
 - Automatic colors adjustments with feedback from color probe X-rite Hubble
 - Auto-Adj. Coordinate x,y
 - Auto-Adj. Gains
 - Projector status alignment
 - Native projector colors measure and update
 - Available commands to pre-adjusting projector image (bright., contrast and gamma)
 - 2 user gamma customization for 2D/3D mode
 - More powerful color management panels



SIM2’s Super PureLED Technology

Image accuracy of a projector is governed by the quality of the optical engineering within. A delicate balance is required between light engine, DLP® chipset and video processing in order to optimize the performance of the projector.

To meet these requirements, SIM2 has implemented a wide range of features into one all-encompassing technology: SIM2 SUPER PureLED. First, a trio of RGB high-power Phlatlight LEDs by Luminus (one for each primary color R, G and B) replace both the lamp and the color wheel found in conventional designs. The LEDs’ brightness is precisely controlled by an 8-bits-per-channel high speed current driver. A sophisticated color sensor - positioned in the light engine - allows the driver to accurately adjust the light intensity coming from the three different LED modules, as well as precisely controlling their color output. Indeed, one of the advantages of LEDs is that they can be pulsed very rapidly, achieving an impressive active color cycle of 20x per frame of content.

This eliminates sequential color artefacts, while improving contrast ratio, color saturation and grayscale accuracy. Second, the combination of the DLP® chipset with this new lighting technology makes the M. Series a true all-digital design, the benefits of which are: exceptional color reproduction, excellent contrast ratio and precise frame-by-frame image control. Third, the new light engine has a high-efficiency optical layout, capable of delivering more light where it is needed most – on-screen.

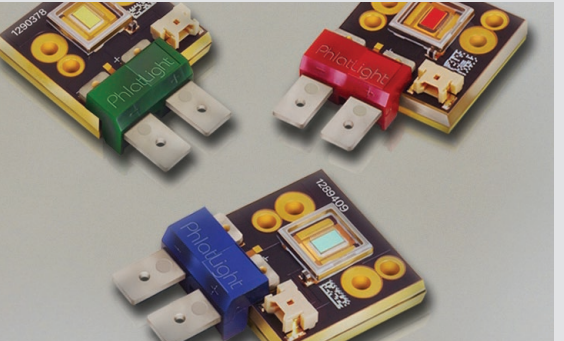
SIM2’s SUPER PureLED technology implements video processing with enhanced i/p conversion algorithms that allow the M. projectors to deinterlace and scale both standard and HD signals and reproduce them at Full HD resolution.



High-power LED technology

SIM2 has a close relationship with the world’s leading LED manufacturers. The modules used in the M. line are the result of the most recent innovations in the design and production of high-power LEDs. These newly developed LEDs are able to produce 30% more light output than their predecessors and have a considerable increase in efficiency.

In addition, a great deal of attention has been paid to collect and direct the light fluxes in the direction of the DLP modulator, yielding an LED projector with an output value among the highest on the market.



Extraordinary performances

The eco-friendly, lamp-free SUPER PureLED light source technology allows the output of a pure and narrow light spectrum (one for each primary color) and delivers an incredible brightness (up to 1000 ANSI Lumens). The use of three separate light elements of red, green and blue provides wider and more consistent color reproduction - an unbelievable 28% wider than NTSC, ADOBE RGB and CINEMA - with richer and more saturated color images. At the same time, it stays consistent over its entire lifetime with an average lumen decay of less than 5% after 2000 hours and an expected lifetime of around 30.000 hours. Also, LEDs light up very quickly, achieving full brightness in microseconds and offer near-immediate start-up and shut-down. This means that the projector doesn’t require a lengthy warm-up or cool-down period when in use.

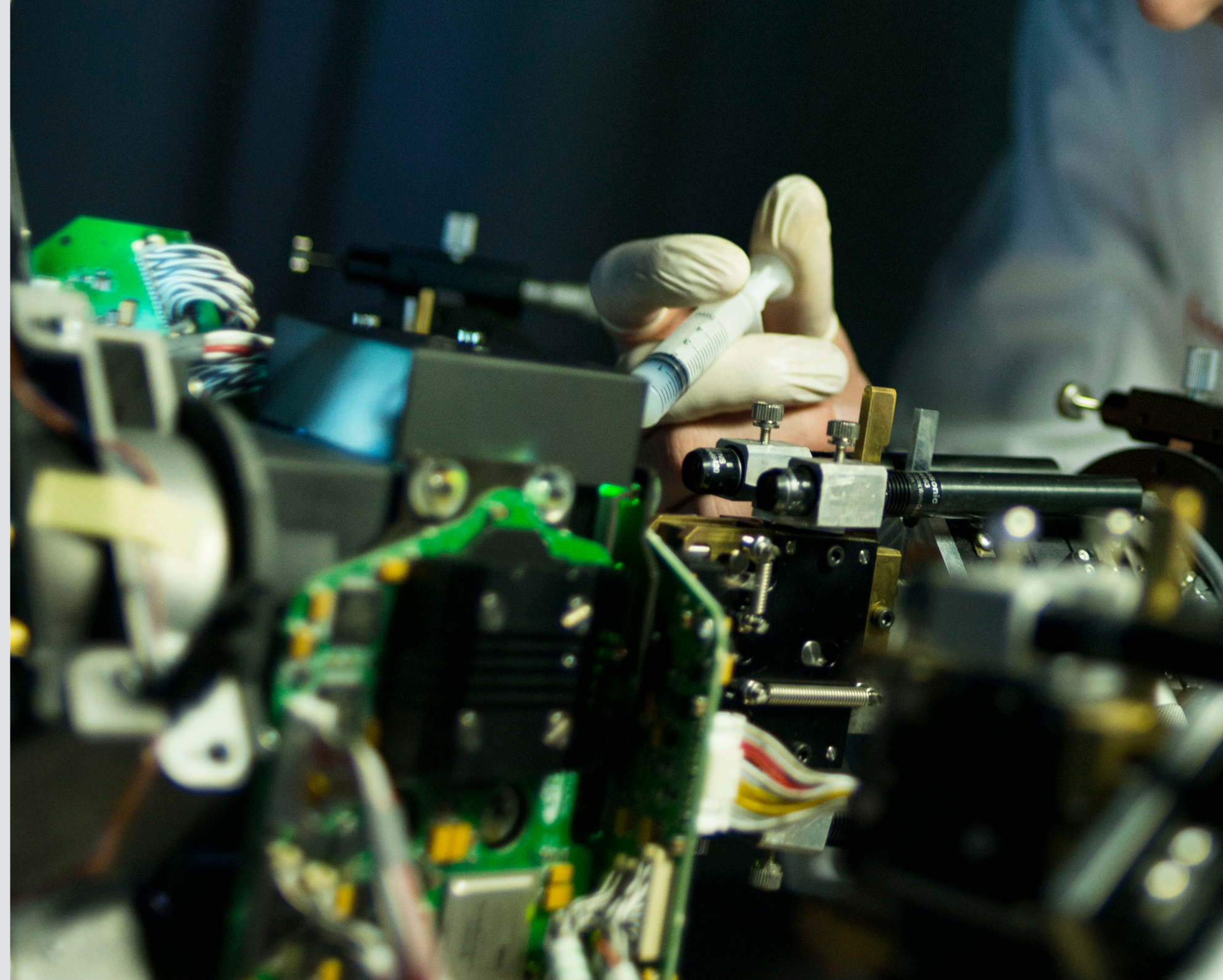


The technology of choice of Hollywood studios 3-chip DLP

Using just any digital projector doesn't make a home theater a true "Cinema". To experience true cinema, the projector must provide a picture quality as good as - or better - what a good film print would have. Thanks to 3 chip DLP technology, Grand Cinema™ line offers movie goers the most compelling and captivating cinema experience at home, just as the movie Director intended it. Indeed, Texas Instruments has been working with Hollywood since the mid-1990s to ensure that DLP technology meets the needs and requirements of the motion picture industry. The only type of projector that matches the quality of film and is also capable of maintaining color and brightness throughout the years is a 3-chip DLP projector. No other technology can truly deliver crystal clear, razor-sharp and lifelike images for the ultimate "Hollywood" picture quality.

The 3-chip DLP advantages:

- Fast switching time: Unlike other technologies, 3 chip DLP has a very short switching time and presents the image on the whole screen at once, exactly as the film print would.
- Highest brightness rendition: 3 chip DLP does not use polarized light. The bias used in other technologies (i.e. LCD) causes a loss of efficiency of 50%.
- Ultimate Color Fidelity: The 3-chip architecture efficiently accommodates a deep color gamut and provide extremely accurate color reproduction..
- Greater Depth: 3-chip DLP deliver up to 14 bits of grayscale per color channel on screen.
- Picture Reliability: The performance of a 3-chip DLP projection system remains consistently outstanding throughout the life of the projector.



fuoriserie

SIM2 FUORISERIE

Exclusive, powerful, unique!

"Fuoriserie is an Italian term to describe a custom-built, high-performance, exclusive and expensive car that qualifies the owner for his financial ability and his desire to stand out from the crowd. Or "sleek, powerful and eye-catching, "one in a rarefied atmosphere of its own. A car superior to all others." The term "fuoriserie" also describes limited production specials - incorporating advances in design and technology. SIM2's new Fuoriserie projector fully embraces this production philosophy, becoming the very nature of the product itself."

Limited-edition Special
<http://fuoriserie.sim2.com>



SIM2 Grand Cinema Line:

Experience true Hollywood picture quality

The Grand Cinema™ projectors are totally unique to SIM2 and represent the culmination of over 10 years of innovation and research in the field of video projector design and technology. SIM2's flagship Grand Cinema™ line features a choice of 4 models that offer unprecedented picture quality for the discerning customer who wants a true cinema experience. The Grand Cinema™ line features 3-chip 0,95" 1080p DC4 DLP® chipset, SIM2's ALPHAPATH™ light engine, and Triple Flash technology for extreme 3D smoothness and visual pleasure. No other projector line can match the superb color depth, excellent contrast ratio and exceptional brightness that the Grand Cinema™ line is able to deliver. Indeed, welcome home Hollywood!

TYPICAL APPLICATIONS	Key Points
LUMIS UNO: Designed for use with mid/large screen sizes (up to 4m - 13ft wide).	<ul style="list-style-type: none">• Best projector technology for a true "Hollywood" picture quality experience• Most dynamic and immersive 3D entertainment experience• Hollywood's technology of choice: 3-chip DLP• 3-chip DarkChip4™ Full HD (1080p)• Patented ALPHAPATH™ light engine with precision glass optics• 3D Triple Flash technology (144 Hz) for a smoother, natural, and fatigue-less 3D motion rendition• Perfect Fit zoom, focus, and lens shift memory feature (lens-free 2.40:1)• Razor-sharp images with amazingly high contrast ratio• Brightest 3D projectors in their class• Superb color accuracy and reliability for a stunning picture that lasts
SUPERLUMIS: Best projector technology for a true "Hollywood" picture-quality experience at home. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).	
SUPERLUMIS HC: Engineered for customized color gamut-specific applications. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).	
SUPERLUMIS D: Designed for 3D cinema, the projector may be used in either active or passive 3D mode.	



Versatility and ease of use

Grand Cinema™ LUMIS UNO

The Grand Cinema™ LUMIS UNO is a compact 3-chip DLP® home theater 3D single unit projector, which utilizes SIM2's PureMovie-PureAction technologies to produce images with exceptional smoothness, black level and contrast performance. Designed for use with mid/large screen sizes (up to 4m - 13ft wide).

The Grand Cinema™ LUMIS UNO projector has been specifically designed to offer exceptional performance, ease-of-use and room-friendly aesthetics. Grand Cinema™ LUMIS UNO blends exceptional sharpness and image stability, combined with superb black depth and contrast. SIM2's ALPHAPATH™ light engine, partnered with 0.95" 1080p DarkChip4 DLP® chipsets from Texas

Instruments, enables the Grand Cinema™ LUMIS UNO projector to achieve an excellent contrast ratio of 10,000:1 and an impressive brightness level of 3000 ANSI lumens, thank to its new 280W lamp. SIM2's Grand Cinema™ LUMIS UNO sports PureMovie, PureAction, and PureAction 3D user modes - each optimized for the various demands of movie, sports and 3D viewing – and SIM2's advanced Live Colors Calibration 2 software. LUMIS UNO comes with SIM2 Perfect Fit feature, which enables the projector to display 2.35/2.40:1 video material by resizing the image to fill the screen without the need for an additional anamorphic lens. The Grand Cinema™ LUMIS UNO is available in SIM2's classic high gloss Gun Metal finish.



Power 3D performance **Grand Cinema™ SUPERLUMIS**

Best projector technology for a true “Hollywood” picture-quality experience at home. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).

Building on the success of SIM2’s award-winning LUMIS platform, SUPERLUMIS now delivers greater light output than its predecessor, thanks to a more powerful 350W lamp and the option of high brightness lenses - High Brightness (HB) or Extended Contrast (EC). The SUPERLUMIS system can be fine-tuned to maximize image quality based on the room’s lighting scenario; The HB Lens yields up to 5,000 ANSI Lumens, and the EC Lens delivers up to 3,800 ANSI Lumens. For a large-screen system and/or one with ambient light, HB is the ideal choice. For smaller screens and light-controlled rooms, EC extends the available contrast and usable black level.

The improved optical light engine now includes Perfect Fit, a fully-programmable zoom, focus and lens shift feature which enables a lens-free option to create 2.40:1 images.

SIM2’s engineers have designed the Grand Cinema™ SUPERLUMIS with PureMovie, PureAction, and PureAction 3D user modes, each optimized for the various demands of movie, sports and 3D viewing. No other projector technology can match the superb color depth, excellent contrast ratio (up to 30,000:1 with Dynamic Black™ in 2D mode). And, 3D Triple Flash technology (144 Hz) ensures a smoother, natural, and fatigue-free 3D viewing experience.

The Grand Cinema™ SUPERLUMIS is available in SIM2’s classic High-Gloss Gun Metal finish or in White, Black or Red color case options.



Unprecedented Color Control Grand Cinema™ SUPERLUMIS HC

The Grand Cinema™ SUPERLUMIS HC is a high-end compact 3-chip DLP® home theater 3D single unit projector with customizable color filter options for specialist applications. Engineered for customized color gamut-specific applications. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).

The Grand Cinema™ SUPERLUMIS HC is a revolutionary dual-mode 3-chip Full HD projector based on the SUPERLUMIS platform. It sports all of the SUPERLUMIS features, including Triple Flash technology for extreme smoothness and visual pleasure, Perfect Fit, a more powerful 350W lamp, and the option of high brightness lenses - High Brightness (HB) or Extended Contrast (EC). “HC” denotes Hyper Color, and describes closely the design concept behind this specialist projector: The projector’s ability to reproduce a variety of color gamuts outside of the home theater (REC709) specification.. SIM2’s motorized Sliding Filter System (SFS) inside the optical engine is a motorized system able to position two different filters into the optical light path, independently of one another. The driver command can be sent either via IR (by OSD) or via RS-

232 and the color gamut change is performed almost instantaneously. The SFS dual filter system allows the projector to accurately display two different color gamuts at the push of a button. This is feasible thanks to special optical components, hence there is no need for electronics adjustments that would otherwise compromise the signal. Thanks to the SFS system, the projector becomes a versatile instrument which can be used in custom market segment applications such as Home Cinema, DCI or other professional applications like photography, where dedicated color reproduction is the technical key-factor. The Grand Cinema™ SUPERLUMIS HC standard version⁽¹⁾ has been designed to provide DCI-like color reproduction, as well as standard HDTV (Rec. 709). Upon request, other filters can be ordered to create a truly customized product⁽²⁾. Available in SIM2’s classic high gloss Gun Metal finish or in White, Black or Red color case options.

⁽¹⁾ This product is a custom-built-to-order and will require a 30 day lead time.

⁽²⁾ 60 day lead time after customer request and defined color gamut requirement description.



Flawless 3D performance

Grand Cinema™ SUPERLUMIS D

The Grand Cinema™ SUPERLUMIS D is a high-end compact 3-chip DLP® home theater 3D dual unit projector system with customizable color filter options for specialist applications. Designed for 3D cinema, the projector may be used in either active or passive 3D mode. The system is equipped with a Mounting Assembly with micro-metric adjustment for precise alignment of the two projectors.

SIM2's Grand Cinema™ SUPERLUMIS D projection system is designed to reproduce 3D images with the same depth and vivid intensity as those experienced at the cinema. Its dual-projection format is the result of thorough research into the effects of 3D filtering on projector optical systems. The findings were that such filtering causes light output losses of approximately 60%, when compared to conventional 2D projection. Clearly a dual-projector system not only allows for accurate calibration of each of the left/right channels, but also enables a higher light output to be realized. This is important for large screen installations because the light output required to illuminate the screen to the industry standard reference level is much greater than that of a small screen.

The SUPERLUMIS D system consists of:

- Two customized Grand Cinema™ SUPERLUMIS HC projectors with SIM2's motorized Sliding Filter System (SFS) inside the optical engine allowing dual projection mode (2D or 3D). The use of the automatic SFS allows the use of 2 different color gamuts on each product.
 - Filters⁽¹⁾ included are INFITEC 3D and Rec.709. Custom filters are available upon request⁽²⁾.
 - Projector mounting bracket assembly.
 - Active or passive 3D and InstaPort™ Technologies.
 - SIM2 VISUS active 3D + INFITEC Premium 3D glasses
- .The SUPERLUMIS D, when working in 2D dual mode, is able to output up to 10,000 ANSI Lumens (depending on lens type), with a Full On/Full Off contrast ratio over 25,000:1. Available in SIM2's classic high gloss Gun Metal finish or in White, Black or Red color case options.

⁽¹⁾ This product is a custom-built-to-order and will require a 30 day lead time.

⁽²⁾ 60 day lead time after customer request and defined color gamut requirement description.



SIM2’s Grand Cinema™ Key technical specifications

DISPLAY
Technology: 3 x chip DMDs 0,95” 1080p DC4
Resolution: Full-HD - 1920 x 1080 pixels
SIM2’s 3D active Triple Flash Technology - 144 Hz.
SIM2’s 3D passive Technology (SUPERLUMIS D only)
SIM2’s PureAction 2D/3D technology
SIM2’s PureMovie 2D technology
SIM2 DynamicBlack™ Technology enhanced solution (in 2D mode only)
InstaPort™ Technology (SUPERLUMIS D only)
Contrast ratio (Full ON/ Full OFF): LUMIS UNO: >10,000:1 • SUPERLUMIS and HC: >30,000:1 with DynamicBlack™ Technology (in 2D mode only) • SUPERLUMIS D: >25,000:1 with DynamicBlack™ Technology (in 2D mode only)
SIM2’s motorized Sliding Filter System (SFS): SUPERLUMIS HC and SUPERLUMIS D models only
Available in High Brightness or Extended Contrast version
Light source: LUMIS UNO: 280W UHP Lamp; • SUPERLUMIS, HC, and D: 350W UHP Lamp
Brightness (Ansi Lumens) ⁽¹⁾ : LUMIS UNO: up to 3,000 (2D mode); • SUPERLUMIS and HC: up to 5,000 (2D mode depending on lens type); • SUPERLUMIS D: up to 10,000

INSTALLATION
Lens type: High Brightness (HB) or Extended Contrast (EC) (not available on LUMIS UNO)
Lenses Throw ratio: 1.82-2.48:1 (type T2, standard); 1.37-1.66:1 (type T1); 2.6-3.9:1 (type T3)
Perfect Fit zoom, focus, and lensh shift memory feature
Optical shift: Vertical up to +50%, down -10% max. from screen center (based on image height)
Digital Keystone: Vertical +/-18°
Picture size (inches diagonal): 50-300
Aspect ratio: 4:3, 16:9, Anamorphic, Letterbox, Panoramic, pixel-to-pixel, subtitle + 3 custom-user adjustments

ELECTRONICS
Horizontal & Vertical scan freq.: 15-80 kHz/48-144 Hz
Color System: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3.58; NTSC 4.43
PC graphic standards: VGA, SVGA, XGA, SXGA, UXGA, WUXGA
SDTV: 480i/p, 576i/p - HDTV: 720p 50/60, 1080i 50/60, 1080p 24/50/60 + 576p
Color Space selection: HDTV - EBU - SMPTE-C
Color Temperature: D65, D75, High, Low, Medium, User

INPUTS/OUTPUTS
2x HDMI (v.1.4 with Deep Color) • 1x Composite Video • 1x Graphic RGBHV • 1x Component - YCbCr/RGBs • 1x RS-232 • 1x USB (B type) • 3D Sync Out • 3x 12V 100mA output

GENERAL SPECIFICATIONS
Software control: upgradable via RS-232 SI or USB
Power supply: 100-240 VAC +/-10% (48/62 Hz)
Projector weight: 11 Kg. / 24.3 lbs
Projector dimensions (WxHxD): 458 x 210 x 455 mm (18” x 8.3” x 17.9”)

STANDARD ACCESSORIES
Installation and user manual • AC power cords (2m-6.6 ft) • backlit remote control and batteries • SIM2 VISUS 3D active Glasses and emitter • SIM2 INFITEC Passive glasses (SUPERLUMIS D only) • Stack System (SUPERLUMIS D only) • Live Colors Calibration 2.0



OPTIONAL ACCESSORIES
SIM2 VISUS Luxury Box - 8 additional Active glasses • SIM2 VISUS SYSTEM Luxury Box - 7 additional Active glasses + emitter • SIM2 INFITEC additional Passive glasses • Additional Sliding Filters (SUPERLUMIS HC/D only) • Anamorphic lens systems ⁽²⁾ (static or motorized) • SIM2 Universal Ceiling Bracket

(1) ANSI Lumens specification: This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer’s projectors. Measurements are taken in a totally dark test room with brand new lamp at full power, lamp’s native white color temperature, internal test pattern (full white) and in compliance with ANSI IT7.228-1997 specification.

SIM2 M. Line: Inspire Creativity!

The M. active 3D^(*) LED Full HD DLP-based Video Interior Design System is the result of years of intense research and passion offering a new concept, integrating entertainment with interior design.

The concept is simple: inspire creativity and add vitality to the home by painting with light and images. Whether it's personal photographs, art, mood lighting, or movies, this system delivers stunning visual pleasure, and ignites the senses.

TYPICAL APPLICATIONS	Key Points
Medium/large media rooms and family/games room with moderate ambient light	<ul style="list-style-type: none"> • World 1st Multipurpose and "Green" solid state projector line: lamp and color-wheel free • High performance, long-lasting components • Long-life, high efficiency LEDs: 30,000 hours or years of silent uncompromised 2D/3D viewing • Unique 3D^(*), smooth (120 Hz), and long-lasting images in a luxury design • SIM2 SUPER PureLED™ Technology • Advanced LED liquid cooling for long term reliability • Ultra-fast ON/OFF, high speed commuting • Ultra-wide color space • Best colorimetry: digital cinema quality straight out of the box

^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).



Paint with light! M.150

Designed for discerning customers, M.150 utilizes 0.95" DarkChip4 DLP® chipset, Super PureLED and active 3D^(*) technologies. SUPER PureLED technology is a true all-digital system, with a trio of LEDs (red, green and blue) acting as both light and color source for the DLP® chipset. The projector's ability to render 3D images and a variety of more-consistent color gamuts, over and above those used in home theater, means that color space specifications for a wide variety of applications can be fulfilled. The M.150 can deliver an unbelievable 128% NTSC and REC. 709 color standards, as well as:

- Adobe RGB, which is an extended color space used in critical viewing applications where exacting color reproduction is required. Such applications include: professional photography, graphics and printing, CAD/CAM labs.
- CINEMA color space that responds to the highly specialized needs of post-production houses.

The M.150 projection system produces images with amazing clarity and realism, delivering 1,000 lumens light output and a contrast ratio of 100,000:1 with DynamicBlack™ technology. In the M.150 the DynamicBlack™ technology is completely electronic and

operates on a frame-by-frame basis and at a frequency of 120 Hz. SIM2 has made 3D vision the most natural attainable, avoiding the fatigue and perception of the 'artificial' image quality that is typical of other competing 3D systems. The video processing - the same as that used in SIM2's high-end Grand Cinema™ 3-chip series - ensures that the image is correctly separated so that each eye (right and left) sees only the view dedicated to it. The M.150 gives the viewer a totally new experience in terms of picture quality with the bonus that the user is free from lamp replacement. The typical life of the LED modules is estimated at around 30,000 hours. Perfect Fit option - a fully-programmable zoom, focus and lens shift feature which enables a lens-free option to create 2.40:1 images - is available for the M.150. The stunning design of the M.150 takes cues from Italian classics, such as the legendary Brionvega's CUBO TV, and features bold, straight edges with a contemporary appearance. The M.150 is offered in crystal-glass surfaced black.

(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).



SIM2’s M.150 Key technical specifications

DISPLAY

Technology: 1 x 0.95” chip DMD

Resolution: Full-HD - 1920 x 1080 pixels

Light source: Super PureLED

3D features^(*) and SIM2’s PureAction 2D/3D & PureMovie 2D technology

SIM2 DynamicBlack™ Technology enhanced solution (digital)

Overlap™ Technology

Contrast ratio (Full ON/OFF): >100,000:1 with DynamicBlack™

Brightness ⁽¹⁾: up to 1,000 Ansi Lumens

Expected LED lifetime: 30,000 hours

INSTALLATION

Lens Options (throw ratio): 1.5-2.1:1 (type T1) and 2.1-3.9:1 (type T2) with +/- 5% tolerance; 0.675:1 (type ST)

Optical shift: Motorized Vertical up to +60% / down -25%, Horizontal +/-8%

Digital Keystone: Vertical and Horizontal

Picture size (inches diagonal): 65-200

Aspect ratio: 4:3, 16:9, Anamorphic, Letterbox,

Panoramic, pixel-to-pixel, subtitle + 3 custom-user adjustments

ELECTRONICS

Horiz. & Vertical scan freq.: 15-80 kHz/48-120 Hz

Color System: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3.58; NTSC 4.43

PC graphic standards: VGA, SVGA, XGA,SXGA, UXGA, WUXGA

SDTV: 480i/p, 576i/p; HDTV: 720p 50/60, 1080i 50/60, 1080p 24/50/60 + 576p

Color Space selection: HDTV - EBU - SMPTE-C - ADOBE RGB - CINEMA

INPUTS/OUTPUTS

2x HDMI (v.1.4 with Deep Color) • 1x Composite Video (RCA) • 1x Graphic RGBHV (D-sub HD15 pins)

• 1x Component - YCbCr/RGBs (RCA) • 1x RS-232 (D-sub 9 pins) • 1x USB (B type) • 3D Sync Out •

3x 12V 100mA output

GENERAL SPECIFICATIONS

Software control: upgradable via RS-232 SI or USB

Power supply: 100-240 VAC +/-10% (48/62 Hz)

Power consumption: max. 370W

Projector weight: 28 kg. / 61.7 lbs

Projector dimensions (WxHxD): 420 x 202 x 532 mm (16.5” x 8” x 21”)

STANDARD ACCESSORIES

Installation and user manual • AC power cords

(2m-6.6 ft) • backlit remote control and batteries •

EasyLED software 2.0

OPTIONAL ACCESSORIES

SIM2 VISUS Active glasses (4 pcs.) + emitter^(*) • SIM2

VISUS Luxury Box - 8 additional Active glasses • SIM2

VISUS SYSTEM Luxury Box - 7 Active glasses + emitter

• Anamorphic lens systems⁽²⁾ (static or motorized) •

Universal Ceiling/Wall bracket



^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).

⁽¹⁾ ANSI Lumens specification: This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer’s projectors. Measurements are taken in a totally dark test room and in compliance with ANSI IT7.228-1997 specification.

⁽²⁾ Available only with lens type T2. PANAMORPH and ISCO systems include an integrated ceiling bracket for projector, lens and ⁽²⁾ motorized sled.

SIM2 DOMINO Line:
Experience entertainment’s best at home!

Today’s home entertainment systems demand that a projector be capable of producing high quality images from any and all video devices and in a variety of room lighting levels. Sharing many of the technical attributes of the Grand Cinema® 3-chip series, DOMINO is a projector line that offers consumers a choice of 4 models that meet such requirements and enhance the viewing experience. Based on single-chip Full HD DLP® technology, SIM2’s DOMINO offers different levels of performance and feature sets that include (depending on model) high brightness, high contrast, precise and accurate color reproduction, deep black level, artefact-free motion and the ability to convey the extended depth of 3D images.

TYPICAL APPLICATIONS	Key Points
NERO: Small/medium home theater with controlled ambient light	<ul style="list-style-type: none"> • High quality images from any and all video devices and in a variety of room lighting levels
CRYSTAL CUBE: medium/large media rooms and family/game rooms	<ul style="list-style-type: none"> • High performance 1-chip 1080p projectors • Full 3D features and advanced processing electronics for flicker-free 3D viewing • Bright, colorful images with high contrast ratio • Comprehensive choice of inputs



Compact and Commanding NERO 3D-1

Compact and commanding, NERO 3D-1 shares much of the technology from SIM2's award-winning Grand Cinema™ 3-chip series to bring a world of entertainment into your living room. NERO 3D-1 is compatible with all of today's video sources, including 3D^(*). A choice of three lenses along with PureMovie, PureAction 2D and PureAction 3D user modes make NERO 3D-1 a very versatile projector. The NERO 3D-1 utilizes DarkChip 1080p (1920x1080 pixel resolution) and SIM2's patented ALPHAPATH™ optical light engine in its design; this combination of digital micro-mirror device and precision glass optics produces images of excellent clarity and color accuracy. A powerful 280W lamp provides up to 1600 lumens of light output and a native contrast ratio of >10,000:1. Perfect Fit option - a fully-programmable zoom, focus and lens shift feature which enables a lens-free option to create 2.40:1 images. For ease of installation, a choice of three high-quality glass lenses (T1, T2 & T3) is available for the NERO 3D-1, giving the projector a total throw ratio of 1.37-3.9:1.

^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).

Power, precision and innovation NERO 3D-2

SIM2's NERO 3D-2 has the power and precision required for the demanding criteria of today's specialist projection applications: precise and accurate color reproduction, deep black level, artefact-free motion and the ability to convey the extended depth of 3D images. Its compact size and curvaceous good looks make NERO 3D-2 very room-friendly. The NERO 3D-2 adds DynamicBlack™ to an already impressive list of features found in the NERO 3D-1. This additional feature improves black level performance and contrast ratio (up to 30,000:1 with Dynamic Black in 2D mode), making shadow detail and picture dynamics look even more realistic. SIM2's NERO 3D-2 utilize SIM2 active 3D technology, with advanced processing electronics to ensure that your 3D viewing is free from the flickering, ghosting and motion 'shudder' suffered by most 3D displays to bring the real cinema 3D experience into your home. Taking styling cues from the LUMIS series, the NERO line sports an elegant Giorgio Revoldini designed cabinet in a contemporary soft-touch black finish.

^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).

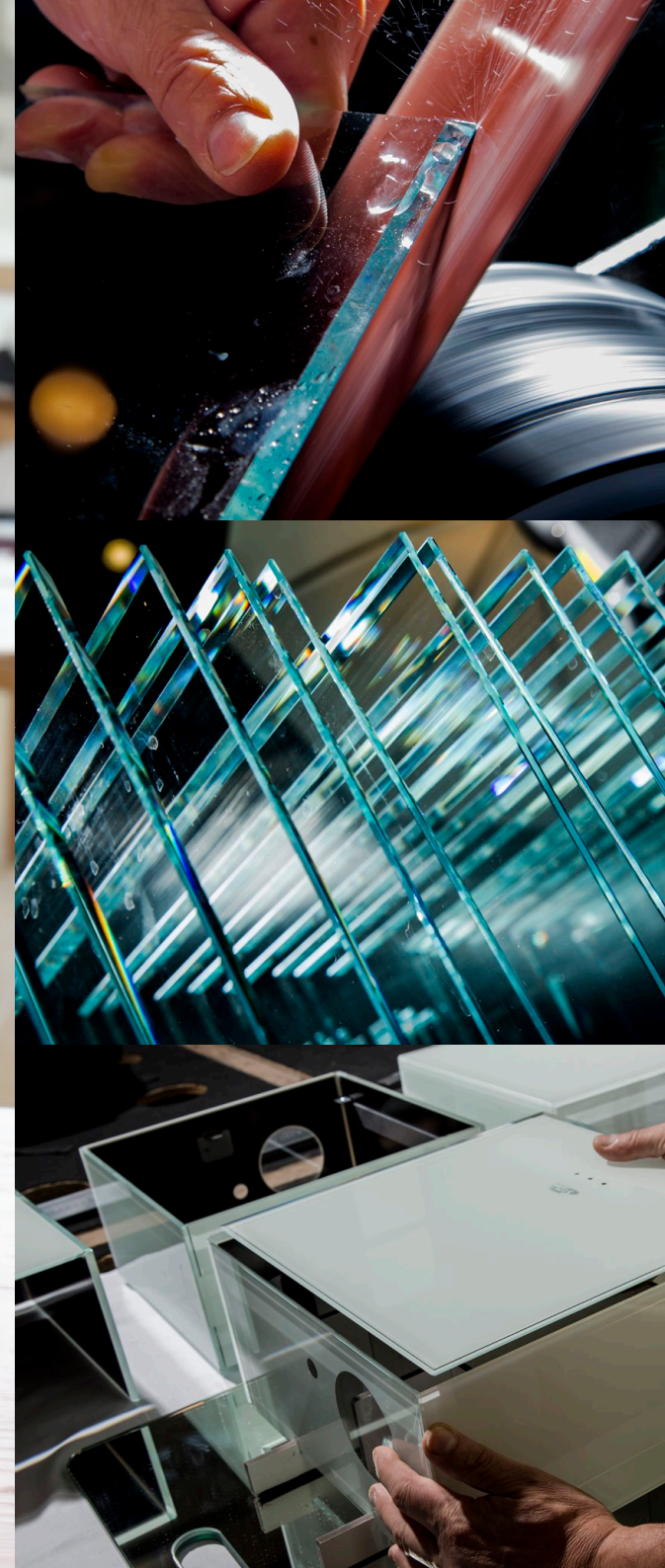


Impressive, sustainable, durable, beautiful! **CRYSTAL CUBE**

The new CRYSTAL CUBE home cinema projector, is, in true SIM2 fashion, a perfect blend of style and technology, with a luxurious and understated glass cabinet that easily blends into any home décor. When turned off, the projector aspect of the design is virtually invisible and Crystal CUBE is transformed into artwork. This is style and performance working in perfect harmony, the CRYSTAL CUBE is the true essence of 'Made in Italy.' DLP® is the picture technology of choice for the CRYSTAL CUBE; It utilizes a Full HD 1080p (1920 x 1080 pixel resolution) chipset from Texas Instruments that, combined with top-notch processing, enables the projector to deliver crisp, smooth and clear images. And, thanks to SIM2 3D^(*) technology, CRYSTAL CUBE has the ability to convey the extended depth of 3D images that totally involve the viewer in the movie experience. The CRYSTAL CUBE sports a 200W lamp, which delivers up to 2300 ANSI

Lumens on-screen. For its CRYSTAL CUBE projector, SIM2 has chosen a cubic shape entirely made of crystal-glass, a pure and sustainable material capable of being recycled indefinitely. Its structure does not deteriorate through the recycling process. Crystal-glass is also resistant to light and high/low temperatures, hence looking always brand new even after years of use. And, from a purely aesthetic point of view, crystal-glass is simply stunning. We are all drawn to it. It is synonymous with quality. Its colors, textures and high-end appearance command attention and make it the focal point of any home style and decor. The CRYSTAL CUBE is available in Black or White Crystalglass.

(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).



The Special Edition **CRYSTAL CUBE SE^(*)**

SIM2 CRYSTAL CUBE SE^(*) projector is the perfect combination of compact size, high performance, and sublime elegance. It adds extra brightness to an already impressive list of features found in the CRYSTAL CUBE model. Indeed, the CRYSTAL CUBE SE utilizes a reference version of the CRYSTAL CUBE light engine with select optics plus enhanced processing electronics to achieve an improved brightness of 2700 Ansi Lumens. The CRYSTAL CUBE SE is compatible with all video standards and offers a wide choice of both analog and digital source inputs, making it eminently suitable for use with today's HD devices. Powerful, elegant, and always chic, CRYSTAL CUBE SE makes a dramatic statement in interior design. For the discerning customer, for the unique room, for a breathtaking approach to home theater

projection, CRYSTAL CUBE SE delivers the "wow factor" not only with its performance, but also with its amazing, stylish cabinet design. Its crystal-glass cabinet is perfect for adding a special and unique touch to suit any taste or room style - whether traditional, contemporary, or somewhere in between - making it a classic, timeless piece of art, a true keepsake. CRYSTAL CUBE sports an elegant crystal-glass finish. Crystal-glass is made of sand - a sustainable & non-toxic resource - and can be infinitely and easily recycled. Available in Black or White Crystalglass.

^(*) CRYSTAL CUBE SE may not be available in your market. Please check with a SIM2 representative

Since 1997 • SIM2 USA Inc. • 10108 USA Today Way • Miramar, FL 33025 • (954) 442.2999 • sales@sim2usa.com



SIM2’s DOMINO Key technical specifications

DISPLAY

Technology: 1 x chip DMD0,95” 1080p

Resolution: Full-HD - 1920 x 1080 pixels

SIM2’s 3D^(*) active Technology

SIM2’s PureAction 2D/3D and PureMovie 2D

technology (NERO models only)

SIM2 DynamicBlack™ Technology enhanced solution

(in 2D mode only) (NERO 3D-2 only)

Contrast ratio (Full ON/ Full OFF): NERO 3D-1: >10,000:1

- NERO 3D-2: >30,000:1 with DynamicBlack™

Technology (in 2D mode only)

Light source: NERO models: 280W UHP Lamp; •

CRYSTAL CUBE models: 200W UHP Lamp

Brightness (Ansi Lumens) in 2D mode⁽¹⁾: NERO 3D-1:

up to 1,600; • NERO 3D-2: up to 2,000; • CRYSTAL

CUBE: up to 2,300 • CRYSTAL CUBE SE: up to 2,700

INSTALLATION

Lenses Throw ratio: NERO models 1.82-2.48:1 (type T2,

standard); 1.37-1.66:1 (type T1); 2.6-3.9:1 (type T3) •

CRYSTAL CUBE models - 1.38-2.05:1

Perfect Fit zoom, focus, and lens shift memory feature

(optional on NERO models)

Optical shift: Vertical up to +50%, down -10% max. from

screen center (based on image height)

Picture size (inches diagonal): 50-300 on NERO models;

- 50-180 on CRYSTAL CUBE models

Aspect ratio: NERO - 4:3, 16:9, Anamorphic, Letterbox,

Panoramic, pixel-to-pixel, subtitle + 3 custom-user

adjustments; • CRYSTAL CUBE 4:3, 16:9, Anamorphic,

Letterbox

ELECTRONICS

Horizontal & Vertical scan freq.: NERO 15-80 kHz/48-144

Hz • CRYSTAL CUBE 15, 30-102 KHz/ 24-120 HZ

Color System: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3.58;

NTSC 4.43 • PC graphic standards: up to WUXGA •

SDTV: 480i/p, 576i/p - HDTV: 720p 50/60, 1080i 50/60,

1080p 24/50/60 + 576p

INPUTS/OUTPUTS

NERO: 2x HDMI (v.1.4 with Deep Color) • 1x

Composite Video • 1x Graphic RGBHV • 1x

Component - YCbCr/RGBs • 1x RS-232 • 1x USB (B

type) • 3D Sync Out • 3x 12V 100mA output

CRYSTAL CUBE: 2x HDMI (v.1.4 with Deep Color) • 1x

S-Video • 1x Composite Video • 1x Graphic RGBHV

• 1x Component - YCbCr/RGBs • 1x RS-232 • 1x

miniUSB • 1x USB (A type - power only) • 1x 3D

Sync Out • 1x Video OUT (monitor) • 1x 12V 100mA

output

GENERAL SPECIFICATIONS

Software control: upgradable via RS-232 SI or USB

Power supply: 100-240 VAC +/-10% (48/62 Hz)

NERO Projector weight: 11 Kg. / 24.3 lbs

NERO Projector dimensions (WxHxD): 458 x 210 x 455

mm (18” x 8.3” x 17.9”)

CRYSTAL CUBE Projector weight: 9 kg. / 19.8 lbs

CRYSTAL CUBE Projector dimensions (WxHxD): 315 x

190 x 315 mm (12.4” x 7.5” x 12.4”)

STANDARD ACCESSORIES

Installation and user manual • AC power cords (2m-

6.6 ft) • backlit remote control and batteries • Live

Colors Calibration 2.0 (NERO models only) • 2x HDMI

sockets (L type) and cables, Ceiling Mounting accessory

(CRYSTAL CUBE models only) • CRYSTAL CUBE SE

model only; SIM2 VISUS 3D active Glasses + emitter and

CUBE Ceiling Bracket and extension pole (available in

black or white finish)

OPTIONAL ACCESSORIES

SIM2 VISUS Active glasses (4 pcs.) + emitter^(*) • SIM2

VISUS Luxury Box - 8 additional Active glasses • SIM2

VISUS SYSTEM Luxury Box - 7 Active glasses + emitter

- Anamorphic lens systems⁽²⁾ (static or motorized) •

SIM2 Ceiling Bracket



^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).

⁽¹⁾ ANSI Lumens specification: This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer's projectors. Measurements are taken in a totally dark test room with brand new lamp at full power, lamp's native white color temperature, internal test pattern (full white) and in compliance with ANSI IT7.228-1997 specification.



www.sim2.com/home/en/domino-line-en

SIM2 HB Line:
ultimate professional experience

SM2 HB (High Brightness) line produces darker blacks and brighter whites along with the widest color gamut range. Flexibility is also key in terms of performance. The SIM2 HB line allows for the use of different lamp powers depending on your application needs, and the high light output make it ideally suited to ultra wide-screen projections.

TYPICAL APPLICATIONS	Key Points
CINEMAQUATTRO: Designed for immersive Cinema experience with greater than four times 1080p resolution. (4K)	<ul style="list-style-type: none">• Reliable and built to work around the clock• 3D technology• Perfect fit lens feature• Razor-sharp images with amazingly high contrast ratio• High Brightness• Superb color accuracy and reliability for a stunning picture that lasts
SIRIO: Engineered for customized color gamut-specific applications. Designed for use with large screen sizes (up to 5m – 16.5 ft wide).	



SIRIO - 2014 Edition

Champion of light and color

Engineered to be used with large screen sizes or where high light output is a necessity, SIRIO - 2014 Edition - uses light-tuned optical elements to maximize light output (up to 7,000 ANSI lumens) from its dual 350W lamps. SIM2 has, in the SIRIO, created a 3D^(*) active single-chip DLP®-based projector without the compromises that are usually found in high brightness projectors, where high light output comes at the cost of some important features. This is a star performer that has the power and clarity to satisfy the most demanding viewer (whether watching movies or playing videogames), as well as the ability to deliver bright, contrast-rich images in real world lighting conditions. SIRIO comes with SIM2's Perfect Fit technology: Zoom and focus positioning can be stored for different picture formats, from standard 16:9 to 2.35:1 aspect ratio, plus one user setting. Thanks to its wired connections, SIRIO 2014 makes it easy to futureproof your investment by offering full firmware and software upgrades, as well as real-time adjustments and monitoring regardless of geographic location. The on-board an RJ-45 connector (Ethernet or LAN) and a USB port hosting a dedicated USB-Wireless adapter allow:

- easy integration with Home Automation control systems (such as Crestron or AMX) that use IP addressable control;
- Projector control by IP and
- remote controlling, monitoring and serviceability – Through a dedicated IP address and a port, users and service centers can connect with the projector to evaluate a reported issue with the projector and make the necessary adjustments (where possible) to rectify the issue – remotely.

SIRIO features a professional probe interfaced with the projector's built-in processing electronics that allows (through refined feedback algorithms) a real time reaction to the environmental conditions. For ease of installation, the projector sports the supreme flexibility of five, high quality glass lens options: one short fixed lens (0.77:1) and four long throw ratio lenses (ranging from 1.21 to 6.97:1). SIRIO is available in a striking matte black finish cabinet (MB), with easy access for lamp maintenance.

^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).



CINEMAQUATTRO: High-end Cinema 4K Power

CINEMAQUATTRO delivers the ultimate in high-end projection thanks to its cinema 4K (4096x2160) 1.38in DLP Chipset, and produces darker blacks and brighter whites along with the widest color gamut range for more true-to-life images.. The CINEMAQUATTRO high-contrast light engine is capable of delivering up to 25,000 ANSI Lumen to cope with the biggest screens available in the market. Flexibility is also key in terms of performance. CINEMAQUATTRO allows for the use of

different lamp powers depending on your application needs. The motorized lens mount, user replaceable lamps and field alignable DMD's ensure that set up is fast, and maintenance time and costs are reduced. Every CINEMAQUATTRO includes a choice of 9 high quality lenses and a full VIP installation and service package, including pre and post-installation technical support and a full calibration.



SIM2’s SIRIO Key technical specifications

DISPLAY
Technology: single-chip DMD
Resolution: Full-HD - 1920 x 1080 pixels
Light source: 2 x 350W UHP lamp
3D ^(*) features and SIM2’s PureAction 2D/3D and PureMovie 2D technologies
Perfect Fit Technology
DynamicBlack™ Technology enchanced solution
BrilliantColor™Technology
Color Wheel: SIM2Shine
Contrast ratio (Full ON/ Full OFF): >8,000:1
Brightness ⁽¹⁾ : up to 7,000 Ansi Lumens

INSTALLATION

Lens options (throw ratio): 1.45-1.93:1 (standard); 0.77:1; 1.21-1.45:1; 1.93-3.67:1; 3.67-6.97:1 (optional)
Optical shift: Motorized with memory, Vertical up to +60%, down -20% max. from screen center (based on image height), horizontal +/-10%
Digital Keystone: Vertical
Picture size (inches diagonal): 50-300
Aspect ratio: 4:3, 16:9, Anamorphic, Letterbox, Panoramic, pixel-to-pixel, subtitle + 3 custom-user adjustments

ELECTRONICS
Horizontal & Vertical scan freq.: 15-80 kHz/48-120 Hz
Color System: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3.58; NTSC 4.43;
PC graphic standards and HDTV: VGA, SVGA, XGA,SXGA, UXGA, WUXGA
SDTV: 480i/p, 576i/p; HDTV: 720p 50/60, 1080i 50/60, 1080p 24/50/60 + 576p

GENERAL SPECIFICATIONS

Software control: upgradable via RS-232 serial interface, USB or LAN
Power supply: 100-240 VAC +/-10% (48/62 Hz)
Power consumption: 1100W
Projector weight: 28 kg. / 62 lbs
Projector dimensions (WxHxD): 464 x 241 x 564 mm (18.3”x9.5”x22.2”)

INPUTS/OUTPUTS

2x HDMI (v.1.4 with Deep Color) • 1x Composite Video • 1x Graphic RGBHV • 1x RS-232 (• 1x USB (A type) socket for USB to Wi-Fi adapter • 1x LAN • 3D Sync Out • 3x 12V 100mA output
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SUPPLIED ACCESSORIES

Installation and user manual
AC power cords (2m-6.6 ft)
backlit remote control and batteries
High Precision Probe
RS-232 Adapter cable
USB Wi-fi adapte
Live Colors Calibration software 2.0

OPTIONAL ACCESSORIES

SIM2 VISUS Active glasses (4 pcs.) + emitter ^(*) • SIM2 VISUS Luxury Box - 8 additional Active glasses • SIM2 VISUS SYSTEM Luxury Box - 7 Active glasses + emitter • Anamorphic lens systems ⁽²⁾ (static or motorized) • SIM2 Ceiling Bracket



^(*) A SIM2 3D emitter and glasses pack is required to initiate this feature (sold separately).

⁽¹⁾ ANSI Lumens specification: This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer’s projectors. Measurements are taken in a totally dark test room with brand new lamp at full power, lamp’s native white color temperature, internal test pattern (full white) and in compliance with ANSI IT7.228-1997 specification.

SIM2’s CINEMAQUATTRO Key technical specifications

DISPLAY

Display technology type: 3-chip 1.38” DMD™

Native resolution: 4K (4096 x 2160)

Contrast: 2000:1 Ansi

Brightness: up to 10,000 ANSI (10,000 center) lumens –
2.0 kW lamp CDXL-20

Lamp type • Xenon bubble (*)

Estimated life: 2.0kW lamp, 3500 hrs (**)

Hign Contrast (HC) Prime Zoom Lenses:

• 1.13-1.65:1 (4K)

• 1.31:1-1.85:1 (4K)

• 1.44:1-2.16:1 (4K)

• 1.62:1-2.71:1 (4K)

• 1.94:1-3.25:1 (4K)

Lenses offsets: ±13% Vertical ±4% Horizontal - all
lenses

LENSES

Lens mount type: Tool-free lens insertion system •
Adjustable lens mounting

Lens mount motorized: Horizontal and vertical offset •

Focus • Zoom

High Brightness (HB) Fixed Short throw Lenses:

• 0.72:1 (4K) (1)

• 1.0:1 (4K)(2)

High Brightness (HB) Prime Zoom Lenses:

• 1.13-1.31:1 (3) (4K)

• 1.31-1.63:1 (4K)

• 1.63-2.17:1 (4K)

• 1.98-2.71:1 (4K)

• 2.71-3.89:1 (4K)

• 3.89-5.43:1 (4K)

• 5.43-7.69:1 (3) (4K)

INPUTS

Signals standard

• 2 x 3G HD-SDI on board

• 2 x HDMI 1.3 on board (physical DVI-I connectors)

Signals 2D (2K and 1080p: scaled up to 4K)

• 4K - 24/25/30Hz 4:2:2 10-bit (4 x 1.5G HD-SDI)

• 4K - 24/25Hz 4:4:4 12-bit (4 x 3G-SDI)

• 4K - 30Hz 4:4:4 12-bit (4 x 3G HD-SDI)2

• 4K (3840 x 2160) - 24/25/30Hz 4:4:4 12-bit (4x 3G-SDI)

• 4K (3840 x 2160) - 24/25/30Hz 4:2:2 10-bit (4x1.5G

HD-SDI)

• 2K - 60Hz 4:4:4 8-/10-/12-bit (HDMI)

• 2K - 30Hz 4:2:2 10-bit (1.5G HD-SDI)

• 2K - 30Hz 4:4:4 12-bit (3G HD-SDI)

• 1080p - 50/60Hz 4:2:2 10 bit (3G-SDI)

• 1080p - 60Hz 4:4:4 8/10/12-bit (HDMI)

Signals 3D –triple flash - scaled up to 4K

• 2K - 24Hz 4:4:4 12-bit (2 parallel 3G HD-SDI)

• 2K - 24Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI)

• 1080p - 24Hz 4:4:4 8-/10-/12-bit (2 parallel DVI-D)

Signals 3D – double flash - scaled up to 4K

• 2K - 24Hz 4:4:4 12-bit (2 parallel 3G HD-SDI)

• 2K - 24Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI)

• 2K - 30Hz 4:4:4 12-bit (2 parallel 3G HD-SDI)

• 2K - 30Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI)

• 1080p - 24/25/30Hz 4:4:4 8/10/12-bit (2 parallel DVI-D)

Inputs/control and networking: RS-232, Ethernet

(10/100) RJ45, Detachable LCD control module

GENERAL SPECIFICATIONS

Operating voltage: Single phase 200-240 VAC @
50/60Hz

Operating current: 23A max @ 200V

Dimensions (LxWxH): 51.1 x 25.5 x 19.0” (1299 x 648 x
480mm) with lens cover

Weight: 251 lbs (114 kg)

Operating temperature: 50-95°F (10-35°C)

Humidity (non-condensing): 20-80%

SUPPLIED ACCESSORIES

Detachable LCD control module • AC line cord for
projector head • Heat extraction fan kit (required
when operating projector)

OPTIONAL ACCESSORIES

Lamp kit • Rack mount pedestal • Replacement air
filter for light engine • Replacement air filter for liquid
cooling radiator



(*) User replaceable bulb.

(1) No offset;
(2) 1.0:1 fixed lens ±29% Vertical ±9% Horizontal;
(3) 1.13-1.31:1 and 5.0-7.69:1 zoom lenses ±56% Vertical ±19%
Horizontal

(**) ANSI Lumens specification: This is the typical projector
brightness specification found in most sales literature.
This measurement allows for direct comparison with other
manufacturer’s projectors. Measurements are taken in a totally
dark test room with brand new lamp at full power, lamp’s native
white color temperature, internal test pattern (full white) and in
compliance with ANSI IT7.228-1997 specification.

www.sim2.com/home/en/content/cinema-quattro-0

Italian design and color palette

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 SIM2 products are elegance exemplified; these are projectors that deserve to be placed on full view. They feature contemporary cabinet designs by Giorgio Revoldini to

create the perfect combination of form and function. For those wishing to explore a greater color palette for their living space, the Grand Cinema models have three additional color options (a combination of glossy and matte Red, Black and White) and the CRYSTAL CUBE two color options (White or Black Crystal-glass).



High Gloss Gun Metal gray finish



High Gloss and Matte White finish



High Gloss and Matte Black finish



High Gloss and Matte Red finish



Soft-touch Matte Black finish



Soft-touch matte black finish with glass accents



White Crystal-glass



Black Crystal-glass



Matte Dark/medium gray finish

SIM2 projectors color palette

Grand Cinema Line



LUMIS UNO

High gloss gun metal gray finish
Optional colors:
High gloss and matte red finish
High gloss and matte black finish
High gloss and matte white finish



SUPERLUMIS

High gloss gun metal gray finish
Optional colors:
High gloss and matte red finish
High gloss and matte black finish
High gloss and matte white finish



SUPERLUMIS HC

High gloss gun metal gray finish
Optional colors:
High gloss and matte red finish
High gloss and matte black finish
High gloss and matte white finish



SUPERLUMIS D

High gloss gun metal gray finish
Optional colors:
High gloss and matte red finish
High gloss and matte black finish
High gloss and matte white finish

M. Line



M.150

Soft-touch matte black finish with glass accents

Domino Line



NERO 3D-1

Soft-touch matte black finish



NERO 3D-2

Soft-touch matte black finish



CRYSTAL CUBE

Black or White Crystalglass



CRYSTAL CUBE SE

Black or White Crystalglass

HB Line



SIRIO

Soft-touch matte black finish



CINEMAQUATTRO

Matte black and gray finish

THE ACCESSORIES COLLECTION

The Accessory Collection provides the freedom to tailor your SIM2 Projector completely to your taste and help maximise your viewing experience.

SIM2 VISUS BOX - 7G + 1E: Seven pairs of SIM2 VISUS active 3D RF glasses • SIM2 active 3D RF emitter • Luxury presentation box • Xpand 3D active circuitry • Stylish design • LCD lenses • Battery powered

SIM2 VISUS BOX - 8G: Eight pairs of SIM2 VISUS active 3D RF glasses • Luxury presentation box • Xpand 3D active circuitry • Stylish design • LCD lenses • Battery powered • **(3D RF emitter not included)**

SIM2 VISUS System 4G +1E: Four pairs of SIM2 VISUS active 3D RF glasses • SIM2 active 3D RF emitter • Xpand 3D active circuitry • Stylish design • LCD lenses • Battery powered

SIM2 UNIVERSAL BRACKET and **SIM2 SPECIAL CUBE**
bracket: For Crystal Cube projector only - available in Black or White finish

ANAMORPHIC LENS OPTIONS: What are the advantages of using an anamorphic lens system to reproduce 2.40:1 movies, when compared to the ‘zoom’ method?

1. Uses the whole resolution of the projector chipset . 25% more pixels in use.
2. Using the entire projector chipset produces 25% more light output.
3. Speed of change between 1.78:1 and 2.40:1. Our motorized system only takes about a second to switch between the two formats.
4. No image overspill above and below the screen



Product aesthetic designer Giorgio Revoldini

Photo

Euro Rotelli - Alessandro Bon
Luciano Gaudenzio (nature)

Due to constant product development, specifications and design might be subjedct to change without notice.
SIM2 catalog - ROW - December 2013