

SIM2 **New Range** **2025-2028**

Home cinema projectors





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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 30 years, earning an outstanding reputation worldwide for the innovation, performance, quality and design. 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 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.



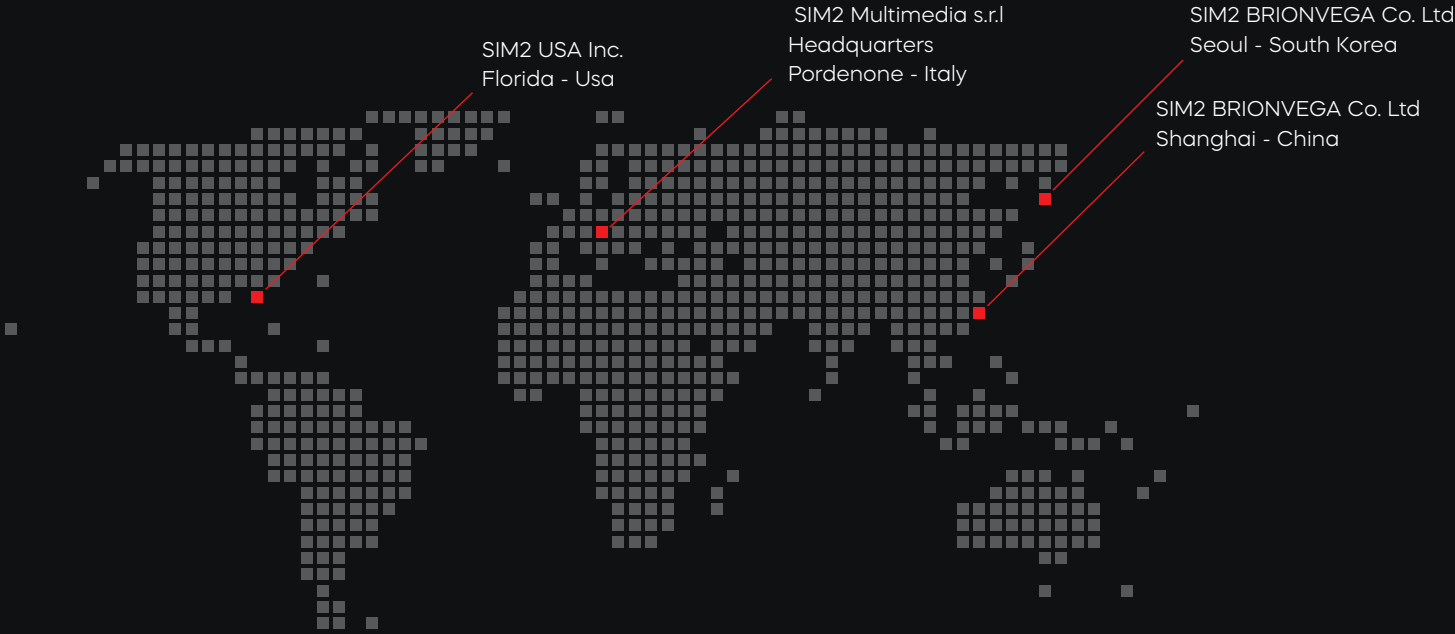
Innovative vision

Since early '90, 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, or the many years of research in the HDR technology, first in the world. We are the people who brought DLP® technology to the highest level of image performance. 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 30 years, SIM2 has picked up 60 Products of the Year Awards, 45 Reference Product Awards and 50 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 sister company in the US, China and South Korea we are a group of companies engaged in Home Theater and HDR technology, 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 40 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

At SIM2 we are committed to building high quality, top-notch products. SIM2 staff shares values, principles and behaviour that describe the things we are not willing to compromise on in any situation – with our customers, our shareholders, and each other.

Innovation - SIM2 is committed to promoting and implement creative and innovative ideas and solutions.

Excellence - We strive for excellence every day in all we do, with care and attention applied to the smallest detail. SIM2 is committed to supporting its internal and external clients in a perfect manner.

Ethics - SIM2 is committed to do what is right with honesty and integrity.

Accountability - There is no achievement without clearly defined goals and measures. SIM2 is accountable for commitments, results, and quality to customers, shareholders, partners and employees.

Passion - Passionate and enthused about our company, brands, products, and heritage.



Quality and Reliability: a must for all SIM2 products

During the production process, the smallest to the largest component undergoes the most rigorous quality check of our expertise to ensure superior products with high reliability. SIM2 has always taken great pride in giving our customers the best possible experience from our products by choosing only high-quality materials. SIM2 also work to reduce the use of plastic materials as much as possible.

Luxury and elegant crystal glass cabinet - Home cinema projectors are now used more and more in living rooms as well as bedrooms, therefore they have to be properly integrated in interiors to avoiding the appearance of an obtrusive piece of technology that degrades the aesthetics of the room.

SIM2's projectors sport an elegant and minimalist crystal glass-based cabinet for a sleek look when installed in the ceiling, over a bookshelf or furniture.



“30th Anniversary of excellence in Home Theater”

In 2023, SIM2 celebrates its 30th anniversary, all these years with passion for our beloved business: Home Theater.

A 30th Anniversary is a proud milestone for any company, specifically in the “young” home cinema industry, and SIM2 wants to celebrate it with a number of initiatives that will be announced quarterly during all next years. For SIM2, Home Cinema is not only a business, but even more so a passion: it is what our company was founded on. For the past three decades, SIM2 has designed some of the most innovative projectors on the market.

Just to mention some of the many hundreds of models and tens of real breakthrough milestones: the first CRT projectors back in the 90s, the legendary HT200 (the first projector specifically designed for home cinema in 2000), the iconic C3X line (the most performing and compact 3-chip DLP models ever done, in 2005), the NERO4 line (the first DLP 4k UHD in the market, in 2016), and the CRYSTAL 4SH (the ultimate in 4K UHD super Hybrid laser based models, in 2021).

And today the introduction, during 2025, of what our R&D consider the most performing projector ever done in SIM2 the:

Ultranero4

The most powerful, silent, with the best colorimetry and the best HDR image in the market.

“30th Anniversary of excellence in Home Theater”

Today, after 30 years of continuous fine tuning on these technologies, we are proud to have one of the best projector ranges available for performance, quality, home integration capability, and more important, durability; because the SIM2 projectors are designed to last for many years, always providing the highest satisfaction for our customers.

We celebrate this great SIM2 milestone, the 30th anniversary, to continue serving the home cinema enthusiasts and our partners with the same passion and competence.

SIM2 president
Maurizio Cini



1993
SVT 150

The first CRT projector for video entertainment



1994
SVD 500

The first industry CRT projector with built in line doubler for improved video performances



2001
HT 200

The first worldwide DLP based projector specifically designed for home cinema



2002
RTX55

The first DLP 55" rear projector with high definition capability



2003
HT300 LINK

The first projector with remote inputs connected via optical fiber components



2005
C3X E

The first worldwide compact 3-chip DLP projector with 720 resolution



2006
HT 3000 E

The first FULL HD projector



2006
HTL 40

The first LCD panel display designed for fast movie images



2008
SDM PRO 47

The firstworldwide real HDR flat screen panel



2008
HT300 LINK

The first compact 3-chip DLP projector with FULL HD resolution

About HDR Technology

SIM2 is the company with one of the longest and most qualified experiences in the field of HDR, both in flat monitors and in video projection, having started to work on HDR more than 17 years ago. HDR processing is THE real revolution in video imaging and home cinema performance.

The Crystal 4 Sh SuperHybrid features the same HDR processing developed for the world famous SIM2 NERO 4S, recognized as the reference standard for HDR image perfection. The result of this accurate HDR processing is to make visible all image details either in the dark and/or bright parts of the image: an impressive cinematic achievement and quite an experience!

Brightness is the key factor in experiencing all the benefits of the HDR processing in image quality, projectors with limited brightness suffer from low peak brightness which limits its dynamic range (no HDR ability).

That said, brightness without dynamics and proper management is not enough to create an extraordinary picture: based on our 25 years of experience in DLP development, coupled with the experience gained in designing the award-winning NERO 4S, we are now able to provide simply the best emotive experience in home cinema.

High dynamic range technology, laser, led, laser hybrid

SIM2 HDR display features HDR technology for real-world visual perception of depth, detail, and color: This is because the human eye can instantaneously perceive a dynamic brightness range (5 orders of magnitude out of 14 total on a logarithmic scale - this represents the difference between the brightest light and total absence of light, and includes all the shades in between) far broader than what any display can currently produce (at best, only 3 orders of magnitude).

Thanks to the HDR technology, SIM2 was able to design a display that offers five orders of magnitude, delivering images so realistic that the display becomes a window into the world. Both SIM2's reference monitor (HDR47 6K) and projection system (SIM2 HDR Dual System) provide a REAL HDR visual experience.

									
2009 MICO 50 The first pure LED projection technology	2012 C3X LUMIS 3D DUAL The first DUAL projection system with infitech passive 3D technology	2013 CRYSTAL CUBE The first crystal glass projector completely hiding technology	2013 FUORISERIE A special Home Theater projector made for the most demanding customers, built from finest, most carefully selected components	2014 NERO3 The first FULL LED compact projector with 3D	2016 NERO4 The first worldwide 4K UHD DLP projector designed for home cinema	2016 XTV (1080) The first UST projector that won the GOOD DESIGNED AWARD	2021 NERO4S GOLD SERIES Better than the best: "signature" projector in a limited edition produced one by one for each customer	2022 DOMINO DTVs The first pure RGB laser based UST projector	2023 CRYSTAL 4Sh GOLD SERIES Limited edition of only 50 pieces that celebrates 30 years of excellence of SIM2 produced one by one for each customer

SIM2 New Range 2025-2028

SIM2 is proud to present the fruits of a two-year study, research and refinement of a range of products dedicated to home cinema: SIM2 2025-2028 range.

In over 30 years of activity in this sector, SIM2 has developed an extraordinary expertise that ranges from the first DLP projector specifically developed and produced for home cinema to the most performing and compact 3-chip DLP projector, in addition to the development of High Dynamic Range (HDR) displays, either in the field of projection (with a Dual projector systems) and in reference monitors (purchased by the laboratories of the main global companies, such as integrated circuits, universities, movie companies and most of the major car manufacturers).

This expertise has allowed us to improve and refine the product range that SIM2 dedicates to home cinema and which will be the range of products for the entire 2025-2028 period and which will represent, as in the past, the reference for the market.

But SIM2 will not stop at this important step forward and already from the first quarter of 2025 it will introduce the Ultranero4, the successor of the product that has been the reference for quality and performance in the last 5 years: the NERO4S.

Other models will be introduced over the three-year period, all with a common feature: the capability and expertise of SIM2.

For SIM2, Home Cinema is not only a business, but even more so a passion: it is what our company was founded on..





DOMINO 4h 25-28

High performances and a luxury touch

With super-clean lines in crystal glass, and powerful enough to light up the large screen, DOMINO 4h 25-28 brings SIM2-quality images to the center of your visual entertainment world.

Academy Award-winning DLP picture technology is at the heart of the design, ensuring that DOMINO 4h 25-28 is able to reproduce the look and feel of a movie just as the director intended, with the same image quality for many years.

The laser based illumination system grants an improved colorimetry and color saturation and a very long use virtually without costs of ownership.

DOMINO 4h 25-28 is a distinguished performer with sophisticated video processing electronics

ensuring that all video sources are reproduced at their best. Because the HDR is the real revolution in the video entertainment and one of the most important features in the home cinema, the DOMINO 4h 25-28 shares the same perfect HDR processing used in the big brothers, the Crystal 4 Sh and the flagship NERO4S, that comes from a 17 years experience of SIM2 engineers that designed the first HDR large display in the industry.

The DOMINO 4h 25-28 has been designed for media rooms, family/game rooms and small/ medium home cinemas with the goal to combine state of the art video performances with a lifestyle touch for limited budget home entertainment systems.

SIM2's DOMINO 4h 25-28 technical specifications

DISPLAY

0.66" UHD DMD - (3840x2160 pixels)
 Dynamic range: HDR 10, HLG with dedicated EOTF display modes and four presets
 Light source and brightness: Laser hybrid, blue lasers and phosphors color wheel, up to 3200 lm
 Lamp Life: 25,000 hours
 Color Wheel: R-G-Y-Trasparent

INSTALLATION

Lens: High definition pure-glass lens optics
 Lens Shift: +15% Vertical - 12° projection angle
 Zoom and focus: 1.6X
 Lens Throw ratio (+/-5%): 1,4-2,24:1

ELECTRONICS

Vertical scan freq. 24-120 Hz

INPUTS/OUTPUTS

1xHDMI 2.0 HDCP 2.2 /MHL 2.1 • 1xHDMI 1.4a HDCP 1.4 • 1xVGA HD15 • 1xUSB Type A Charger only (5V/1.5A) • 1x12V Trigger
 RJ-45 (support, web control) • RS232 9 D-SUB • USB-Type A (service-FW upgrade)

GENERAL SPECIFICATIONS

Mains voltage range: 100-240 Vac, +/- 10%, 50-60Hz, Autoranging
 Projector weight: 13 Kg.
 Projector dimensions (WxHxD): 481 x 176 x 300 mm

STANDARD ACCESSORIES

Installation and user manual

Technical specifications may change without notice





CRYSTAL 4 Sh 25-28

Laser-hybrid light source front projector

The new high-precision lens, coupled our latest laser-hybrid light source, the latest 0.67" DMD with state of the art processing and perfect HDR management, creates the best SIM2 middle hi-end product we've ever made. The Crystal 4 Sh 25-28 features a brightness UP TO 3800 lumens.

High Brightness & High Dynamic Range (HDR)

The Crystal 4 Sh 25-28 features a brightness as high as 3800 lumens.

Because brightness is the key factor in experiencing all the benefits of the HDR processing in image quality, projectors with limited brightness suffer from low peak brightness which limits its dynamic range (no HDR ability). That said, brightness without dynamics and proper management is not enough to create an extraordinary picture: based on our 20

years of experience in DLP development, coupled with the experience gained in designing the award-winning NERO 4S, we are now able to provide simply the best emotive experience in home cinema.

Perfect HDR

SIM2 is the company with one of the longest and most qualified experiences in the field of HDR, both in flat monitors and in video projection, having started to work on HDR more than 13 years ago. HDR processing is THE real revolution in video imaging and home cinema performance. The Crystal 4 Sh 25-2028 features the same HDR processing developed for the world famous SIM2 NERO 4S, recognized as the reference standard for HDR image perfection.

The result of this accurate HDR processing is to make visible all image details either in the dark and/or bright parts of the image: an impressive cinematic achievement and quite an experience!

Accurate and vibrant lively Colors

A weak point of many Laser hybrid projectors has been the "colors": images often appear yellowish or greenish. The Crystal 4 Sh 25-28 sports a perfect white point color and an expanded color space, achieving the DCI standard * (the color space of commercial Digital Cinema projectors). This means perfect reproduction of images that look nothing more than "natural".

* figure calculated statistically. Due to optical tolerances the products may have slightly different color spaces.

New laser

The use of the latest developments in the blue laser as well as in phosphor technology in the Crystal 4 Sh 25-28 combine high brightness with a color gamut that not only reaches REC709 but goes far beyond it, offering natural, true colors with correct color stability.

The Crystal 4 Sh 25-28 features the latest semiconductor technology in solid-state laser applications for blue coherent light emissions.

Color improvement

The Crystal 4 Sh 25-28 uses 2 color wheels: one with phosphors and one with dichroic filters. The first with its latest generation green and yellow phosphors offers constant emissions over time and as the temperature changes.

The second purifies the colors, with which SIM2, with its long experience in the field of colorimetric reproduction, has reached an unusual degree of colorimetric reproduction accuracy in the Crystal 4 Sh 25-28.

Projection lens

The Crystal 4 Sh 25-28 uses a high resolution, very low dispersion 1.6x zoom projection lens. This lens allows together with the excellent performance of the DMD, very low background light and a contrast at the highest levels seen on the market.

Its characteristics of clarity, sharpness and uniformity over the whole screen, of low chromatic aberration and low geometric distortion, allow the Crystal 4 Sh 25-28 to achieve impeccable optical performance typical of much higher priced projection systems.

Last and best DMD chip

SIM2 has chosen one of the largest and much improved UHD 4K DMD chip released by Texas Instruments for all its home cinema projectors including the new Crystal 4 Sh 25-28. The 0.67" DMD chip allows a higher brightness and much lower dispersed light, compared to the smaller 0.47" chip, thus delivering images with a higher contrast and lower black level: perfect for home cinema applications.

Anticlippping Contrast Adjustment: properly adjusted according to the "nit" of the disk

SIM2 developed special processing that automatically adapts the parameters of the projector to the various Blu-ray disks and in particular to the "nits" of the disks, thus preventing the clipping of the image in the bright part. The result is a rich image with all details visible.

SuperHybrid mode

This special processing dramatically improves the contrast by adjusting dynamically all the parameters of the projector in combination with the laser source.



SIM2's **CRYSTAL 4 Sh 25-28** technical specifications

DISPLAY

Technology: 0.67" UHD DMD

Resolution: 3840x2160 pixel

Dynamic Range: HDR 10, HLG with dedicated EOTF display modes and four presets

Motion Compensation: 3 Settings available

Light engine: 100% Off-Set

Brightness: Up to 3800 lm

Lamp Life: 25,000 hours

Light source: Laser Hybrid, Blue Lasers and Phosphors

Color Adjustments: Primary and Secondary colors, White Point

Color Wheel: R-G-Y-Trasparent

Mains voltage range: 100-240 Vac, +/- 10%, 50-60Hz, Autoranging

Power Consumption: 395W max, <0.5W stand by mode

Throw Distance: 2,5m ÷ 9m for focus range

Projector weight: 14,5 kg

Cabinet Color: Black or White Crystal Glass surface

Projector dimensions (WxHxD): 507 x 392 x 181 mm

Technical specifications may change without notice

INSTALLATION

Lens: High definition pure-glass lens optics

Lens shift: +15% Vertical - 12° projection angle

Lens Throw Ratio (+/-5%): 1,4-2,24:1

Zoom Range (Ratio): 1.6X

INPUTS/OUTPUTS

1xHDMI 2.0 HDCP 2.2 /MHL 2.1 • 1xHDMI 1.4a

HDCP 1.4 • 1xVGA HD15 Output: 1xUSB Type A

Charger only (5V/1.5A)

1x12V Trigger Communication: RJ-45 (support,

web control) | RS232 9 D-SUB • USB - Type A

(service-FW upgrade)

GENERAL SPECIFICATIONS

Vertical scan freq. 24-120 Hz

Automatic Color Calibration

Like the Nero 4S, the Crystal 4 Sh 25-28 comes with the LCC 4.0 (Live Color Calibration), a special PC software developed by SIM2 that allows accurate automatic color calibration. By connecting a color probe and the projector to the PC, the Sw allows graphic adjustment of both the primary and secondary colors to arrive at the target chosen. The process can also be automatic.

Luxury and elegant crystal glass cabinet

Home cinema projectors are now used more and more in living rooms as well as bedrooms, therefore they have to be properly integrated in interiors to avoiding the appearance of an obtrusive piece of technology that degrades the aesthetics of the room. The Crystal 4 Sh 25-28 sports an elegant and minimalist crystal glass-based cabinet for a sleek look when installed in the ceiling, over a bookshelf or furniture.

It comes in either a white or black glass finish, one that can be integrated in modern or classic environments.

An invisible crystal glass back door hides all the inputs, cables, and connectors.

"A whisper in the air"

In some installations, the projector is really close to the viewers (i.e. small theatres with a low ceiling, etc.) and therefore the projector has to be really silent.

The new Crystal 4 Sh 25-28 is one of the most silent projectors in the market. Thanks to the design of the cooling system, and the solid 6 mm Crystal glass cabinet that prevents noise to come out from top, back and front of the projector.





ULTRANERO4 25-28

Large Home Cinema and Medium Public Venue

In over 30 years of activities and investments SIM2 created a strong reputation for the product performances and the customers satisfaction.

The ULTRANERO 4 25-28 has been designed for home cinemas with large screens, gaming as well as commercial installations where the image quality is important.

Main features:

- A completely new projector platform LASER based with high brightness
- A lens with extraordinary performances with a uniformity of over 95% across the entire screen

- New "ceramic components" which allow exceptional results in terms of efficiency, colorimetry, stability, silence and durability
- A brightness of up to 7,000 lumens
- Absolutely fantastic HDR vision thanks to SIM2 experience in this sector unmatched to date
- Motorized either horizontal and vertical lens shift
- Very high efficiency as well as excellent optical contrast

SIM2's ULTRANERO4 25-28 technical specifications

DISPLAY

Resolution: 3840x2160 pixels

Aspect Ratio: 4K UHD

Light source: Laser with an innovative ceramic phosphor wheel

Brightness: Up to 7000 lm

Acoustic Noise: less than 30dBA

Mains frequency: 50-60 Hz

Power absorption: max 530W (110V) – 520W (120V)

Cabinet Color: Black

STANDARD ACCESSORIES

Installation and user manual

Technical specifications may change without notice

INSTALLATION

Lamp type: Hybrid laser with Colour & Ceramic Phosphor wheels (very long life)

Lamp Life: 20,000 hours

Lenses: 1.26-1.99:1 (1.6x Zoom range)

INPUTS/OUTPUTS

2 x HDMI connectors • 1 x HD Base-T • 1 x HDMI output • 1 x USB type-A for power USB 5V/1.5A • 1 x 3D Sync out • 1 x 3D Sync in • 1 x Jack connectors for +12V Screen control

GENERAL SPECIFICATIONS

Projector Size: 48,5 cm x 18 cm x 43 cm

Weight: 14.5 kg





CRYSTAL 4 Sh Gold 25-28

Laser-hybrid light source front projector

In the year that celebrates the 3 decades of excellence in projection, SIM2 is proud to present the projector that best represents these years of passion and obsessive attention to the quality of performance: the Crystal 4 Sh Gold 25-28.

An extraordinary brightness accompanied by an equally extraordinary colorimetry and contrast with super-selected optics and the professional ability to calibrate and adjust according to one's wish and ability (through a custom made SIM2 LCC 6.0 software) plus custom made production and a special set up by the factory (with simulation of the Customer's theater) make the *Crystal 4 Sh Gold 25-28* an object for a few and selected users who want "everything" in a projector that really has it all in the

elegance of its shape.

This new model is a product at the top of the medium category in terms of price but by choice and necessity of SIM2 it is a product for the few: a few products that can be produced per year, which will only be put into production on order with a lead time which today is more than 60 days and which we hope will drop to less than 30 days by 2024.

The *Crystal 4 Sh Gold 25-28* is a selected and numbered product which today cannot exceed 50 pcs/year and which, like NERO4S GOLD, represents the best of these 30 years of excellence.

Today the *Crystal 4 Sh Gold 25-28* is born and it has a distinctive sign in its livery with the gold color but above all under the livery it has an extraordinary heart.

SIM2's CRYSTAL 4 Sh Gold 25-28 technical specifications

DISPLAY

1-chip DMD 0.67" UHD - 4K UHD (3840x2160

pixels): 8.3M pixels

Dynamic range: HDR compliant with dedicated EOTF

Light source and brightness: Laser hybrid, blue lasers and phosphors color wheel, up to 4000 lm

Lamp Life: 25,000 hours

Color Wheel: R-G-Y-Trasparent

INSTALLATION

Lens: High definition pure-glass lens optics

Optical Shift: +15% Vertical - 12° projection angle

Zoom and focus: 1.5x zoom - manual focus

Lens Throw ratio (+/-5%): 1,4-2,0:1

ELECTRONICS

Vertical scan freq. 24-30 Hz / 47-120 Hz

INPUTS/OUTPUTS

2x HDMI (v.2.0a - HDCP 2.2) • 1x HDMI- MHL (v.2.0a - HDCP 2.2) • 1x USB A type (5V71.5A - Power) • 1 x RS232 (D-sub 9 pin) • 1x USB (FM upgrade)

2x IR receivers

GENERAL SPECIFICATIONS

UHD: 24/25/30/50/60 Hz

Mains voltage range: 100-240 +/-10% (50/60 Hz)

Projector weight: 15.5 Kg. / 34.2 lbs

Projector dimensions (WxHxD): 507 x 181 x 350 mm (19.98" x 7.1" x 13.8")

Throw Distance: 2,5m ÷ 9m for focus range

Cabinet Color: Black Crystal Glass surface

STANDARD ACCESSORIES

Standard accessories

USB GOLD with LCC6

User manual PDF

Technical specifications may change without notice





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*30 years of Excellence
in home cinema projection*