High-end home cinema projectors.
Engineered in Italy since 1995.

Seeing First

SIM2 ENGINEERING.
BUILT AROUND HUMAN VISION.

"The image does not finish at the screen. It finishes in the viewer."

THE ULTRANERO PLATFORM
Reference projection for private cinema. Up to 12,000 lumen.



Seeing First

The eye is not an instrument. It does not measure light; it adapts to it. Walk from sunlight into a dark room and, for a moment, you are blind. Then the room appears: not because it has changed, but because you have. Vision is not a recording; it is an interpretation. The eye reads relationships rather than absolute values: contrast against surround, color against context, depth against shadow.

A specification describes the projector. It does not describe the picture a person receives. The same projector produces two different images in two different rooms, because the viewers' eyes have adapted differently. The machine cannot be the beginning of the design. It has to be the consequence.

Seeing First reverses that order. We begin with the viewer: the room, the screen and the eye. These are engineering requirements. Only then do we engineer the projector, until the technology serves perception so completely that it disappears from the experience it creates.

In practice, this comes down to a single question, asked before every engineering decision.

Will the viewer see the difference?
If yes, it matters.
If not, we leave it out.

Every projector that follows is the result of asking that question first.

SIM2 FOR THE LARGEST AND MOST DEMANDING PRIVATE THEATERS

UltraNero 4S DUO



The highest-performing projector system SIM2 has ever built.

Every projector must decide how to fit the vast range of a mastered image into the light it can actually produce. Highlights are protected at the expense of shadows, or brightness at the expense of depth. One engine, one interpretation, one compromise: on a very large screen, that compromise becomes visible.

At this scale, Seeing First led us to divide the task between two specialized imaging engines.

The two laser engines are not identical twins. Each follows its own HDR curve, tone mapping and dedicated optical path: one tuned around the brilliance and energy of highlights, the other around depth, tonal separation and shadow detail.

Aligned and calibrated to behave as a single projection system, they deliver one coherent image with expanded brightness, color volume and dynamic range. By giving each engine a dedicated role, they preserve more of the original image rather than forcing a single compromise.

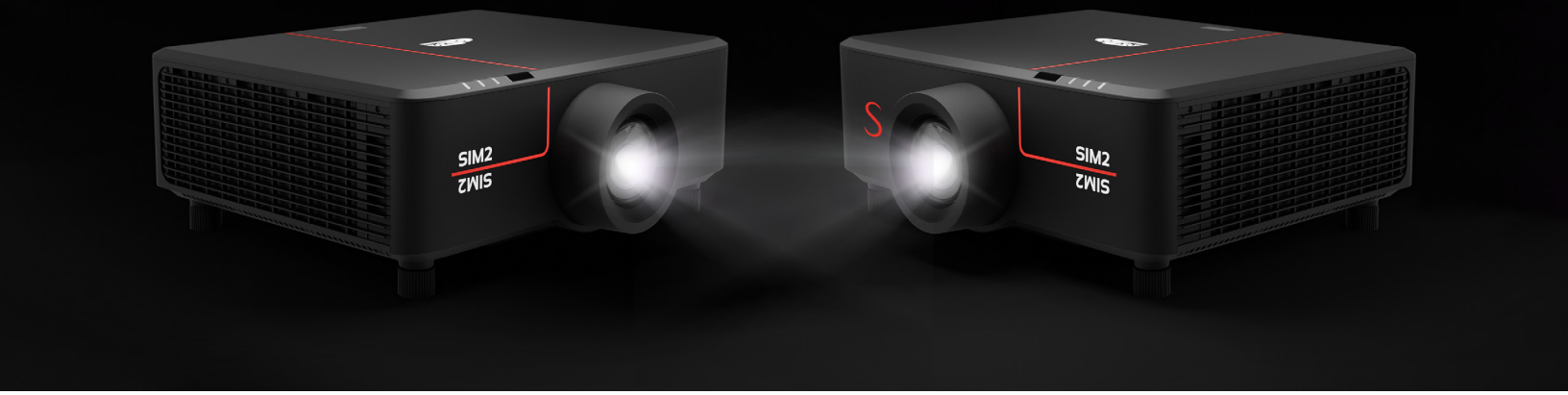
Two projectors. One image. Each seeing what the other cannot.

ULTRANERO 4S DUO AT A GLANCE

- **Dual engines** two specialized laser engines: one optimized for highlights, one for shadow detail
- **Dedicated processing** HDR curve, tone mapping and optical path developed for each engine
- **Seamless integration** operated, aligned and calibrated as a single projection system
- **Combined output** up to 12,000 lumen for the largest residential screens
- **Expanded envelope** brightness, color volume and dynamic range beyond a single engine
- **Acoustic comfort** operating noise below 33 dB
- **Precision rigging** dual-stack rack engineered for precise mechanical alignment
- **Included accessories** bracket, ceiling mount accessory for the bracket, adjustable alignment platform, 4K HDMI distributor, two remotes, three certified cables

SIM2 FOR LARGE AND DEMANDING PRIVATE THEATERS

UltraNero 4 | UltraNero 4S



SIM2's high-performance single-engine platform.

High light output is the easy part of the specification and the hard part of the engineering. Brightness is simple to claim and difficult to keep clean. The engineering challenge is not producing 7,000 lumen, but delivering them without sacrificing black level, contrast, color consistency, uniformity or long-term stability. The UltraNero platform was built around that problem. Over 95% brightness uniformity across the screen. An optical architecture using ceramic components to maintain precision and color consistency over time. Image processing and HDR management developed by SIM2 to shape the available light rather than simply deliver it. Acoustic control that keeps operating noise below 30 dB. The result is high output without losing control of the image. UltraNero 4 brings the platform to high-end private cinema.

UltraNero 4S: engineered for challenging installations - Not every room lets the projector sit where the optics would prefer. UltraNero 4S adds the control to fit the projector to the room instead of rebuilding the room around it, so it can be commissioned where a more rigid system would refuse. The more complex the installation, the more valuable that flexibility becomes.

The best projector is the one you forget is there.

ULTRANERO PLATFORM · KEY FEATURES

- **Laser light engine** up to 7,000 lumen
- **4K HDR imaging** DLP 4K HDR-10
- **Optical precision** over 95% brightness uniformity across the screen
- **Ceramic components** engineered for stability, color consistency and durability
- **Installation flexibility** motorized zoom and horizontal/vertical lens shift
- **Light source life** up to 20,000 hours (30,000 in ECO mode)
- **Acoustic performance** operating noise below 30 dB

WHAT ULTRANERO 4S ADDS

- **Expanded image correction** freely adjustable for challenging installations
- **Stored installation setups** up to five correction configurations saved on lens memory and recalled with a single command
- **SIM2 display modes** two SDR modes, SIM2-1 and SIM2-2, with SIM2 colorimetry applied out of the box
- **Extreme Black on every input** the option is now active across all input signals
- **Improved adaptive contrast** refined DynamicBlack and ExtremeBlack management, stored separately for SDR and HDR
- **Smart cooling management** new control algorithm for lower operating noise
- **HDR mastering peak** the nits value of the HDR source shown in the information menu

SIM2 FOR CONTROLLED ROOMS AND MODERATE SCREEN SIZES

UltraNero 4S HC



In some rooms, maximum light output is not the design priority.

In fully controlled theaters, with moderate screen sizes, light output past what the screen and the room require adds nothing the viewer can see. That creates the opportunity to optimize the optical system around a different balance of performance.

UltraNero 4S HC was engineered for those applications. It is developed from the UltraNero platform, sharing its control and installation capability, around a completely new optical bench tuned for contrast performance, tonal separation and perceived depth. Tone mapping and an HDR curve developed by SIM2 R&D are matched to it.

Up to 5,000 lumen, matched to the rooms it was designed for. Beyond them, the UltraNero platform continues.

A different balance, for a different room.

ULTRANERO 4S HC KEY FEATURES

- **New optical bench** a completely new optical design, developed for contrast-priority applications
- **Shared platform controls** the control, digital geometry, memory and image management of the UltraNero platform
- **Dedicated processing** tone mapping and HDR curve developed by SIM2 R&D
- **Laser light engine** up to 5,000 lumen
- **Perceived depth** deeper native blacks, tonal separation and contrast performance
- **Application** small to medium screens in fully light-controlled rooms
- **4K HDR imaging** DLP 4K HDR-10
- **Acoustic performance** operating noise below 30 dB
- **Optics** motorized zoom and horizontal/vertical lens shift

THE SIM2 RANGE

One approach. Six answers.

Every room asks a different question. No two rooms ask the same one.

A projector is never right in the abstract. It is right for a screen size, a room and a way of watching. SIM2 designs every model around the viewing conditions it will actually live in: the light it must command, the silence it must keep and the role it plays in the room.

Start with the viewer and the room. The projector follows.



The room you live in

Domino 4H · Up to 3,200 lumen of laser light in a crystal-glass cabinet. For living spaces and media rooms that are used for other things too, where light is managed rather than eliminated. Small to medium screens, and a projector designed to be seen rather than hidden.



The room you dim

Crystal 4SH · Up to 3,800 lumen of laser light in SIM2's signature crystal cabinet. For the room where light comes under control and watching becomes the reason the room exists: more output for larger screens, without giving up the object quality that defines SIM2's crystal-glass designs.



The room built for cinema

UltraNero 4 | UltraNero 4S · The UltraNero single-engine platform: up to 7,000 lumen held together with uniformity, black level, color consistency and acoustic control. UltraNero 4S extends the platform for demanding professional installations.



UltraNero 4S HC · Up to 5,000 lumen for controlled rooms and moderate screen sizes, with a dedicated optical balance optimized around contrast performance and perceived depth.



The largest and most demanding private theaters

UltraNero 4S DUO · Two specialized engines. One image. Up to 12,000 lumen for the largest private cinema installations.

THREE DECADES OF PROJECTION ENGINEERING

SIM2 is an Italian company that has been designing high-end home cinema projectors since 1995.
For more than thirty years, we have focused on a single discipline: home cinema projection. That focus has shaped every generation of SIM2 products and today defines the Seeing First approach.
Every projector is conceived, engineered, tuned and calibrated within the same engineering culture, ensuring that each new generation builds on decades of experience rather than starting from scratch.
SIM2 products are distributed through a carefully selected network of specialist partners, because image quality of this order deserves expert installation and calibration.

SIM2 engineering.
Built around human vision.

CONTACTS AND SPECIFICATIONS

Full technical specifications for every model: www.sim2.com

SIM2 USA Inc.
Florida, Usa

Operations: Sunrise, FL. 33351
Tel./Fax. +1 954 442 2999
sales@sim2usa.com

SIM2 Multimedia S.r.l.
Pordenone, Italy

Operations: 33080 Roveredo in Piano (PD)
Tel. +39 0434 383 256
info@sim2.com

SIM2 Brionvega Co. Ltd.
Shanghai, China

Operations: Room 302, 244 Liaoning Road, 200080 Shanghai, P.R.C.
Tel./Fax. +86 21 62881991

SIM2 Brionvega Korea Ltd.
Seoul, Korea

Operations: 25 Teheran -ro 108 -gil, Gangnam gu, Seoul, South Korea
sales@sim2brionvegakr.com