

# SIM2 CRYSTAL4 PLATFORM

Perfect balance of HDR power, precision and innovation





# Introducing **SIM2 CRYSTAL4 UHD HDR**

Enjoy the excellent picture quality of SIM2's single-chip DLP®-based projector: UHD (Ultra High Definition) images with the all-new SIM2 CRYSTAL4 UHD HDR projectors. Featuring Texas Instruments' DLP® 4K UHD chipset, SIM2 CRYSTAL4 UHD HDR delivers exceptional 4K images, high brightness (up to 2200 ANSI lumen light output) and an accurate, vibrant color palette.

The SIM2 CRYSTAL 4 UHD HDR features a stylish 'made-in-Italy' design: a distinctive, contemporary cabinet enriched by a luxurious crystal finish by designer Giorgio Revoldini.

**Designed for use with mid-size Home Theater and media rooms.**

## Key Features

- Ultra High Definition Optics (UHD)
- New, high-precision optical path (12° projection angle)
- DLP technology for a true "Hollywood" lifetime picture quality experience
- 1-chip DMD, 4K UHD Image resolution
- HDR features
- High Brightness
- Vertical optical shift
- 1.5x power zoom
- Crystal-glass cabinet finish

## 4K resolution and easy installation

The SIM2 CRYSTAL4 UHD HDR projector delivers unprecedented picture quality through the partnership of the latest **4K UHD DLP® chipset** from Texas Instruments, high-precision and resolution optics and SIM2's advanced video processing technology, for a new level of cinematic realism in single chip projection. DLP® from Texas Instruments is Hollywood's choice of technology for movie theaters and conveys extraordinary image quality that brings out the smallest details - even during high-speed sequences – with assured, long-lasting performance. The flexibility of the SIM2 CRYSTAL4 UHD HDR is truly unique: a 1.5x zoom lens provides

easy, simple, effortless, and accurate setup in most mid-size rooms and applications; for instance, for a 120-inch diagonal screen size, the projector can be installed from between 3.7 to 5.6 meters (from 14.5" to 22") from the screen.

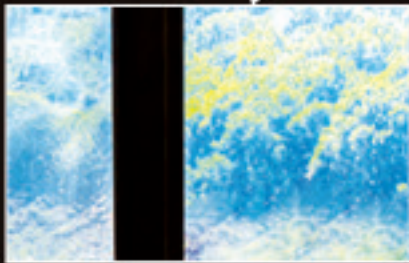
To aid calibration, the SIM2 CRYSTAL4 UHD HDR projector features SIM2's advanced **Live Colors Calibration 4.0 software** that allows professional calibration of all projection parameters such as complete adjustment of the primary, secondary and white point color coordinates, as well as luminance levels.



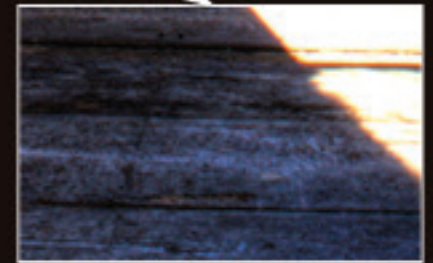
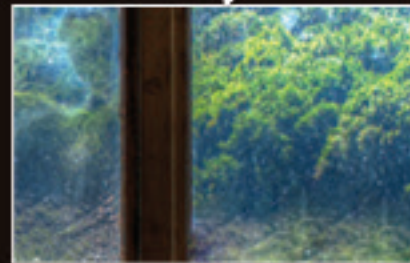
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CONVENTIONAL HIGH RESOLUTION IMAGE



HDR IMAGE



## HDR: extremely realistic images

SIM2 CRYSTAL4 UHD HDR is not only a HDR-capable (accepting an HDR-encoded signal via HDMI 2.0a, HDCP 2.2) on all 3 HDMI inputs, but it presents a full set of features dedicated to HDR picture display.

It offers automatic metadata recognition. The metadata describe the characteristics of the image being displayed (peak luminance, color gamut, etc.) and the SIM2 CRYSTAL4 UHD HDR detects them and automatically enables its HDR mode.

The SIM2 CRYSTAL4 UHD HDR has been designed for this behavior to be as faithful as possible to the ideal behavior it needs to have. In addition, 4K UHD resolution, 8/10/12 color bit depth processing and YCC

4:2:0, 4:2:2, and 4:4:4 color coding, combined with HDR technology, allow the SIM2 CRYSTAL4 UHD HDR to deliver unbeatable image quality. By means of its high peak luminance, inky blacks, and vibrant color gamut, SIM2 CRYSTAL4 UHD HDR provides images where every scene is replicated with extreme realism, just as the human visual system would perceive it in the real world.

### ABOUT HDR TECHNOLOGY

In the real world, the intensity of natural light can span up to 14 orders of magnitude from night to direct sunlight. The ratio between max. and min. luminance is called dynamic range. The human eye can instantaneously perceive up

to 5 orders of magnitude without adaptation. HDR (High Dynamic Range) is the ability to render a large range of luminance in a display, from extremely dark to extremely bright values.



## SUSTAINABLE MATERIALS and timeless elegance

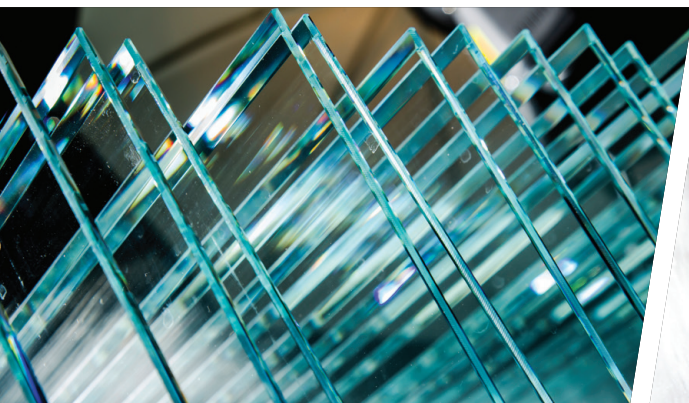
For its SIM2 CRYSTAL4 UHD HDR projector, SIM2 has chosen a crystal-glass cabinet, perfect for adding a special and unique touch to suit any taste or room style - whether traditional, contemporary, or somewhere in between - making it a classic, timeless piece of art, a true keepsake.

Indeed, SIM2 CRYSTAL4 UHD HDR features a typically stylish 'made-in-Italy' design: a distinctive, contemporary cabinet enriched by a luxurious crystal finish by designer Giorgio Revoldini. Crystal-glass is 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. Each SIM2 CRYSTAL4 UHD HDR is a unique masterpiece that celebrates the possibilities of design.



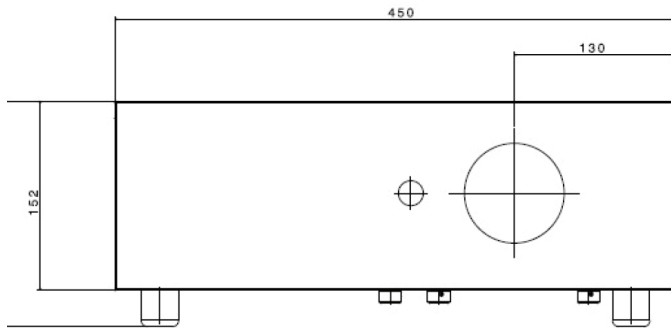
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# SIM2 CRYSTAL 4 UHD HDR platform

## Technical Specifications

Feature	Crystal 4 UHD HDR
DLP® Type and image resolution:	1-chip DMD 0.67" UHD - 4K UHD (3840x2160 pixels): 8.3M pixels
Dynamic Range:	HDR compliant for precise natural colors
Light Source and brightness <sup>(1)</sup> :	300W lamp (dimmable) up to 2,200 Ansi Lumens
Color Wheel:	6 segments (RGBRGB)
Lens:	High definition pure-glass lens optics
Lens Throw ratio (+/-5%):	1.4-2.0:1
Zoom & Focus:	Manual
Projection angle:	12 degrees
Optical Shift:	+/-15% Vertical
INPUTS/OUTPUTS:	2x HDMI (v.2.0a - HDCP 2.2) - 1x HDMI-MHL (v.2.0a - HDCP 2.2) - 1x USB (A type - power) - 1x mini USB (B type for FW upgrade) - 1x RS232 (D-sub 9 pin) - 2x IR receivers - 1x wired IR receiver - 1x Audio IN (mini-jack) - 1x Audio OUT (mini-jack)
Vertical scan freq.	24-30 Hz/47-120 Hz
UHD	@ 24/25/30/50/60 Hz
Mains voltage range	100-240 +/-10% (50/60 Hz)
Power consumption:	410W (normal mode), <0.5W (stand-by)
Projector weight:	17 Kg. / 37.5 lbs
Projector dimensions (WxHxD):	450 x 181 x 420 mm (17.7" x 7.1" x 16.5") - lever feet included in height



<sup>(1)</sup> 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.  
CRYSTAL4 PLATFORM - vers. 1 - Due to constant product development, specifications are subject to change without notice.



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