

# SIM2 DUAL NERO 4S UHD HDR

Maximum dynamics for a real HDR image



SIM2 Dual NERO 4S UHD HDR is a dual projection system - based on the latest, most-performing 4K 0.67" UHD DLP® chipset from Texas Instruments - designed to provide maximum dynamics for a real HDR image. It offers an amazing mix of power flexibility and redundancy, coupled with top-notch performance. Its pure-glass lens provides an unprecedented resolution of 93 line pairs per millimeter to guarantee exceptional on-screen clarity. Special coatings have been applied to the optical components to further enhance image and color performance. Installation aids include wide ratio zoom lens (2x zoom) and fully motorized focus and zoom adjustments, plus optical lens shift to adjust the position of the image up to +/- 75% vertically and up to +/- 30% horizontally. SIM2 DUAL NERO 4S UHD HDR system is not only HDR-capable (accepting an HDR-encoded signal via HDMI 2.0a, HDCP 2.2) but 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 projector detects

them and automatically enables its HDR mode.

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 it to deliver unbeatable image quality.

The system also has an advanced calibration mode with 4 presets to automatically fit different screen sizes, as well as the function to adjust the image data through a process called tone mapping, for softening the clipping of high lights. In HDR mode, it has 4 presets that allow customers to obtain the standard EOTF (Electro Optical Transfer Function) SMPTE ST2084 behavior, with which HDR video content is packaged, preset for 4 different types of installation, for a correct playback of HDR video materials and simplified installation.

To aid calibration, the SIM2 DUAL NERO 4S UHD HDR features SIM2's advanced Live Colors Calibration 4.2 software that allows professional calibration of all projection parameters such as complete adjustment of the primary, secondary and white point color coordinates. Live Colors Calibration allows accurate adjustment of the color volume.

Also, the system is equipped with autofocus tracking for an always perfect focus in any specific installation condition, as well as a remote Info function that provides continuous information on all internal functions.

Designed for use with large Theaters and Entertainment installations.



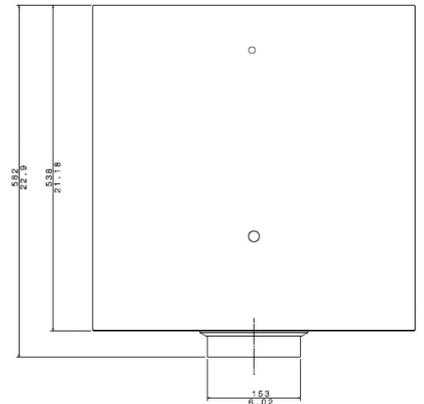
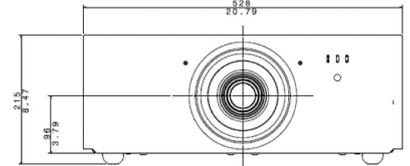
[www.sim2.com](http://www.sim2.com)

# SIM2 DUAL NERO 4S UHD HDR

## Technical Specifications



DLP® Type and image resolution:	Dual projection system: 2x custom-tuned projectors - 1-chip DMD 0.67" UHD 4K UHD (3840x2160 pixels): 8.3M pixels
Dynamic Range:	HDR compliant with dedicated Display Modes and 4 presets to cover different screen sizes
Light Source and brightness <sup>(1)</sup> :	2x 450W lamp (dimmable) > 10.000 Ansi Lumens
Adjustable iris	● 10 apertures memorized
Autofocus tracking	●
Remote Info function	SIM2 Customer Care 4
Live Colors Calibration 2	●
Lens - Resolution:	Super high definition pure-glass lens with telecentric optics - 93 lines pairs per millimeter
Lens Throw ratio (+/-5%):	1.36-2.68:1
Zoom & Focus:	Motorized with position memory encoders
Optical Shift:	+/-75% Vertical, +/- 30% Horizontal
INPUTS/OUTPUTS (Single projector):	2x HDMI (v.1.4a - HDCP 1.4) - 1x HDMI (v.2.0a - HDCP 2.2) - 1x HDMI audio/video out (v.1.4a - HDCP 1.4) - 1x Display Port 1.2 - 1x VGA / 3x YCrCb Component - 1x USB (A type - FW UpGrade) - 1x RJ45 - 1x RS232 (D-sub 9 pin) - 2x IR receivers - 1x wired IR receiver - 2x 12V 200 mA output
Horizontal & Vertical scan freq.	15-91 KHz/24-120 Hz
Mains voltage range	100-240 +/-10% (50/60 Hz)
Single Projector weight:	32 Kg. / 70.5 lbs
Single Projector dimensions (WxHxD):	528 x 215 x 582 mm (20.8" x 8.5" x 22.9")



<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. Due to constant product development, specifications are subject to change without notice. SIM2 DUAL NERO 4S UHD HDR leaflet - vers.2

**SIM2 BV INTERNATIONAL s.r.l.**  
 Offices and headquarters:  
 Via Udine 59  
 Rivignano-Teor (UD) - Italy  
 Tel. +39.0434.383292  
 sales@sim2.it  
 www.sim2.com

**SIM2 USA Inc.**  
 10216 NW 47th Street,  
 Sunrise FL 33351, U.S.A.  
 Ph (954) 442-2999  
 sales@sim2usa.com  
 www.sim2usa.com

**SIM2 BRIONVEGA Co. Ltd.**  
 Room 302-303, No. 244,  
 Liaoning Road, 200080,  
 Shanghai, P.R.C.  
 Tel +86.21.62881991  
 InfoCHINA@sim2.com  
 www.sim2.com



www.sim2.com