

# NERO4/

4K UHD Power



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# 4K ULTRA HD

## Premium movie experience

Enjoy the clarity and realism of the top of the line of SIM2's single-chip DLP®-based projectors: UHD (Ultra High Definition) images with SIM2's all-new NERO 4 projector. Featuring Texas Instruments' DLP® 4K UHD chipset, NERO 4 delivers exceptional 4K images, high brightness (up to 5000 ANSI lumens light output in hi-bri mode) and an accurate, vibrant color palette.

The NERO 4 is available in a black glass cabinet with matte black accents.

## Key Features

- DLP Technology for a true "Hollywood" picture quality experience
- 1-chip DMD UHD
- 4K UHD Image resolution
- New, high-precision telecentric optical path
- High Brightness: up to 5000 Ansi Lumens
- Zoom & Focus position encoders
- Adjustable iris with memory
- SIM2 Perfect Fit Feature
- HDR Capability
- Made-in-Italy design



SIM2 has consistently set new standards of performance and design in projection, allied with unprecedented innovation. The all-new NERO 4 is no exception.

The NERO 4 projector delivers class-leading picture quality through the partnership of the latest **4K UHD DLP® chipset** from Texas Instruments, super high-precision and resolution optics and SIM2's advanced video processing technology, for a lucid and colorful viewing experience. 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.

A new high-power **450W lamp** enables NERO 4 to provide up to **5000 ANSI-lumens** on-screen. In order to obtain the best projected image accuracy, a delicate balance is required between the light engine, the DLP® chipset and the video processing electronics. Building on its

heritage of high-end light engine design, SIM2 has invested heavily in the development of a high-precision telecentric optical system. The **pure-glass lens** provides an unprecedented resolution of **93 lines 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 fully motorized zoom and focus, plus optical **lens shift** to adjust the position of the image up to **75% vertically** and **30% horizontally**.

NERO 4 also includes Perfect Fit, a fully-programmable zoom, focus and lens shift feature which facilitates a lens-free option to create 2.40:1 images.

To aid calibration, the NERO 4 projector features SIM2's advanced Live Colors Calibration 2.0 software that allows professional calibration of all projection parameters such as complete adjustment of the primary, secondary and white point color coordinates.

NERO 4's crystal-glass cabinet adds a unique design touch to suit any room style.

**Designed for use with medium / large Home Theater and Hi-Graphics installations.**

Feature	NERO 4
DLP® Type:	1-chip DMD 0.66" UHD
Image Resolution:	4K UHD (3840x2160 pixels): 8.3M pixels
Light Source and brightness <sup>(1)</sup> :	450W lamp (dimnable) - up to 5.000 Ansi Lumens (in 2D mode)
Lamp life expectancy <sup>(2)</sup> :	3000 hours typical in ECO mode
Adjustable iris	● 12 apertures memorized
SIM2 Perfect Fit	●
Lens:	Super high definition pure-glass lens with telecentric optics
Lens resolution:	93 lines per millimeter
Lens Throw ratio (+/-5%):	1.36-2.68:1
Zoom & Focus:	Motorized with position encoders
Optical Shift:	+/-75% Vertical, +/- 30% Horizontal
INPUTS/OUTPUTS:	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
UHD	@ 24/25/30/50/60/70/72/75 Hz
Mains voltage range	100-240 +/-10% (48/62 Hz)
Projector weight:	32 Kg. / 70.5 lbs
Projector dimensions (WxHxD):	528 x 197 x 525 mm (20.8" x 7.7" x 20.7")

<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.

<sup>(2)</sup> Lamp life: the hours quoted have been measured in a lab under ideal test conditions. Lamp life varies depending on usage conditions and the surrounding environment. This is an average value that cannot be guaranteed and is not protected by warranty.

NERO 4 - September 2016 - Due to constant product development, specifications are subject to change without notice.