

# Nerthus

Barco Residential's Nerthus projector is based on Barco's highly acclaimed Series 4 platform.



- Cinema at Home Series
- Native 4K Resolution (4,096 x 2,160)
- RGB Laser
- 100% REC.2020
- Up to 32,000 Lumens
- Architectural Edition Available

Nerthus is a deity, associated with prosperity and peace. She is also the sister of Njord and the mother of Freya. This new Barco Residential flagship projector is part of the Series 4 platform, which is then combined with Alchemy, creating a very smart, easy to use projector.

Nerthus is exclusively created for high-end home theaters, with 32,000 lumens, more contrast, covering 100% of the REC.2020 color gamut. It features the latest native 4K DLP Cinema® chips from Texas Instruments and the acclaimed Barco Alchemy ICMP-X (Integrated Cinema Media Processor).

The result? A custom-designed residential cinema projector with enhanced contrast for the ultimate image quality. Nerthus is available with a wide range of lenses, offering you the freedom of flexible installation. Play either DCI encrypted content or your favorite 4K HDR consumer content via HDMI<sup>TM</sup> 2.0 with HDCP 2.2.

## Cinema at Home

As the opening credits roll, the audience is transported into an unexpected world of superior movie realism, embraced by ultimate image quality and immersive sound. This compelling universe is created by Barco Residential's Nerthus projector.

## Brilliant Image

Nerthus brings native 4K resolution, higher contrast and enhanced uniformity into the finest residential theaters. 5000:1 extra high contrast provides pristine viewing. The Barco Active Image Management™ and its patented precision brightness technology guarantees flawless images with automatic white balance..

## Ready for tomorrow, today

The Barco Colorgenic™ technology opens up 100% of Rec. 2020. Nerthus is fully enabled for future innovations like 4K 120fps, delivering stunning results not only on day 1, but consistently throughout the lifetime of the product.

**Product specifications****NERTHUS****General specifications**

Projector type	Three chip DLP
Light source lifetime	40,000 hours
Technology	3x 1.38" DC4K
Resolution	native 4K: 4096 x 2160
Light source	RGB Laser
Light output	32,000 Lumens
Contrast ratio	5000:1
Lens range	1.13-1.72; 1.35-1.84; 1.45-2.10; 1.65-2.70; 1.98-3.40 (Very High-Contrast B-lenses)
Optical lens shift	-35% to +15% Vertical shift -7.5% to +7.5% Horizontal shift
Color gamut	DCI P3 / 100% Rec.2020 (when measured in xy-color coordinates)
HDR	HDR10
3D	Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported.
Inputs	2 x HDMI™2.0a (up to 4K 2D 60fps) 2 x 3G-SDI inputs 16 x AES/EBU audio channels (2x RJ45) 8 x GPI, 8x GPO (4 x RJ45) 2 x Gbe for content connectivity & ingest 2 x front-access USB 3.0 for fast ingest & 2 x front-access USB 2.0 DCI 4K 2D up to 60fps & DCI 4K 3D (24 or 30 fps per eye) DCI High Frame Rates 2K 3D up to 120fps (60fps per eye) JPEG 2000, up to 625Mbps & MPEG-2 (4:2:0 and 4:2:2 up to 60fps)
DCI	DCI Compliant
Power requirements	Single Phase or Triple Phase 200-240V 25A
Power consumption	3.9kW (3W in Eco mode)
Noise level (typical at 25°C/77°F)	51dB(A)
Operating temperature	40°C / 104F Max. (at Sea Level)
Operating humidity	85% Max.
BTU per hour	12,500 BTU/h
Exhaust airflow	615 CFM
Dimensions (WxLxH)	760 x 1470 x 612 mm 29.92 x 57.54 x 24.09"
Weight	170kg / 375lbs
Warranty	Limited 3 years parts and labor Essential Care up to 5 years
Safety requirements	Class 1 Risk Group 3

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