

# Nerthus

## Cinema at home Series



Photo Courtesy of Opera Domotica



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.

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). 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 2.0 with HDCP 2.2.



# Nerthus

## Key features

### 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's Nerthus residential projector. Nerthus brings the ultimate cinema experience to home theaters of the biggest size. It is the ultimate DCI compliant projector providing simplicity to show both Digital Cinema Packages and consumer formats enabled by Barco Alchemy ICMP-X (Integrated Cinema Media Processor) with 2 x HDMI inputs.

### Best image quality

Nerthus uses the latest native 4K DLP Cinema® chips in combination with the newest RGB Laser light Source. The result is a never before seen color performance, covering no less than 100% of the REC.2020 color gamut at an incredible brightness level for which no home theater, no projector is too big.

### Very High Contrast

For every element Nerthus uses only the best components. This is also true for the lenses. The VHC (Very High Contrast) lenses offered with Nerthus result in a stunning 5,000:1 full field contrast.

### Architectural Edition

Supporting up to 35% vertical (down) lens shift, Nerthus offers a new level of installation flexibility for DCI projection. Nerthus Architectural increases this flexibility, offering the ability to vertically mount the projector.

## Technical specifications

<b>Brightness</b>	32,000 lumens
<b>Resolution</b>	4096 x 2160
<b>Light Source</b>	RGB Laser
<b>Color Gamut</b>	DCI P3 / 100% REC.2020
<b>Contrast Ratio</b>	5000:1
<b>DCI Compliant</b>	Yes
<b>Image Device</b>	3 x 1.38" DC4K DMD™
<b>Lenses</b>	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)
<b>Lens shift range</b>	-35% to +15% Vertical shift -7.5% to +7.5% Horizontal shift
<b>Inputs</b>	2 x HDMI2.0a (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)
<b>3D</b>	Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported.
<b>Dimensions</b>	760 x 1470 x 612 mm 29.92 x 57.54 x 24.09"
<b>Weight</b>	170kg / 375lbs
<b>Power requirements</b>	Single Phase or Triple Phase 200-240V 25A
<b>Power consumption</b>	3.9kW (3W in Eco mode)
<b>BTU per Hour</b>	12,500 BTU/h
<b>Exhaust Airflow</b>	615 CFM
<b>Operating temperature</b>	40°C / 104F Max. (at Sea Level)
<b>Operating humidity</b>	85% Max.
<b>Noise Level</b>	51dB(A)
<b>Safety requirements</b>	Class 1 Risk Group 3
<b>Lifetime</b>	40,000 hours
<b>Warranty (Factory)</b>	Limited 3 years parts and labor
<b>Extended Warranty (Optional)</b>	Essential Care up to 5 years

\*All lens throw ratio's are +/- 5%

