

# Njord Cinemascope

Theater Series



courtesy of CONSEXTO in Portugal



Njord Cinemascope is son of Odin and inherits a lot from the predecessor Wodan but the light source and part of the engine are completely redesigned and made smaller and more efficient, coupled with a high-capacity 2.37:1 aspect DLP engine. Its exceptional design allows a cinemascope film to be shown without requiring an anamorphic lens.

Njord uses the famous Pulse platform with simulation grade warp engine. Exceptional 4K UHD image processing with HDMI 2.0a and HDCP 2.2, HDR and UHD resolution.



# Njord Cinemascope



THEATER & MEDIA ROOM  
SERIES

## Key features

### Single Step Processing SSP™

Pulse is a HW and SW based platform that simplifies and allows the signal to go from the source to screen much faster, more efficiently and with less artifacts than ever before. We use an advanced image processing technique to display the image on the screen without any artefacts and with close to none latency, this is all made possible with what we call Single Step Processing (SSP™)

### Cinemascope

Njord Cinemascope has a unique automatic aspect ratio detection function. It will look for scope content and automatically scale the image to fit the 5,120 x 2,160 resolution and change back to 16:9 (3,840 x 2,160) if you have content in that format. It will also change aspect ratio when a scope format movie has a menu outside the active picture frame. You can also switch manually between the different formats.

### State-of-the-art electronics

All new "Pulse" electronics have been designed to process 4K UHD with HDMI 2.0a and HDCP 2.2 and the optical engine is utilising the very latest 0,9-inch DMD DLP chipset, delivering 5,120 x 2,160 pixels on screen. Njord Cinemascope also features HDR, motorised lenses and featuring Barco's unique RealColor processing, Njord enables simple and accurate calibration to any desired white point or greyscale.

### Building Blocks

Njord CS offers 4K UHD resolution for superb image quality. Thanks to its modular design of only five building blocks Njord is easy to service. Njord CS is the most compact rugged projector that offers 9,000 lumens light output currently available. One of its most striking features is that it is standard equipped with a fully featured-on-demand option for flexible light output between 3,000-9,000 lumens

## Technical specifications

<b>Resolution</b>	5,120 x 2,160
<b>Display technology</b>	DLP - 0.9" Three-Chip DMD™
<b>Housing</b>	Sealed DMDs and optical assembly
<b>Input compatibility</b>	up to 4K UHD
<b>Light output</b>	up to 9,000 lumens in DCI/P3 mode up to 6,940 lumens in DCI/P3 mode @ 110V
<b>Contrast</b>	600:1 ANSI const / 20,000:1 Dynamic On/Off contrast
<b>Color space</b>	DCI/P3
<b>Light engine</b>	Laser Phosphor
<b>Laser lifetime</b>	20,000 hours
<b>Lenses</b>	TLD+ 0.41 : 1 Ultra short throw Fixed Lens TLD+ 0.73 - 0.94 : 1 Ultra short throw Zoom Lens TLD+ 0.92 - 1.33 : 1 Ultra short throw Zoom Lens TLD+ 1,24 - 1.56 : 1 Wide Angle Lens TLD+ 1.49 - 2.02 : 1 Wide Angle Lens TLD+ 2.01 - 2.76 : 1 Standard Lens TLD+ 2.69 - 4.41 : 1 Long Throw Lens TLD+ 4.37 - 7.35 : 1 Extra Long Throw Lens TLD+ 6.95 -10.83 :1 Very Long Throw Lens
<b>Lens shift range</b>	Up to 97% shift up for some lenses, 76% down, 28% Horizontal
<b>Inputs</b>	HDMI 2.0, HDBaseT 1.4, DP 1.2, Quad SDI/HDSDI/dual HDSDI/Quad 3G HDSDI/BarcoLink
<b>Control</b>	TCP/IP, RS232, RJ45
<b>Control drivers</b>	Control4, Crestron, RTI and Savant
<b>3D</b>	active eyewear (optional), passive Infitec (optional), passive circular (optional), triple flash up to 200Hz
<b>Dimensions (WxLxH)</b>	540 x 725 x 355mm / 28.54 x 21.26 x 14 in. (including feet / excluding lens)
<b>Weight</b>	48kg / 105bs (excluding lens)
<b>Shipping dimensions (WxLxH)</b>	850 x 665 x 613 mm / 33.46 x 26.18 x 24.13 in. (including pallet / excluding lens)
<b>Power requirements</b>	110-130V/200-240V, 50-60 Hz
<b>Power consumption</b>	230V: 1723W Max 20-25°C / 68-77°F 110V: 1,347W Max, measured in 20-25°C / 68-77°F
<b>BTU per hour</b>	Max. 5,875 BTU/h @ 200 - 240V Max. 4,599 BTU/h @ 110 - 130V
<b>Noise level (typical at 25°C/77°F)</b>	46 dB(A) (normal)
<b>Operating temperature</b>	0 ~ 40°C / 32 ~ 104°F
<b>Operating humidity</b>	0% - 80%
<b>Installation</b>	Free rotation 360 degrees
<b>Certifications</b>	CE, FCC Class A and cCSAus
<b>Warranty</b>	Limited 3 years parts and labor, extendable up to 5 years

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