

Njord

Theater Series



courtesy of CONSEXTO in Portugal



Njord is the successor to our beloved Wodan, featuring a completely redesigned laser light source and updated optical engine. Njord delivers perfect cinematic colors, supporting DCI/P3 color gamut.

Njord was the god of wind, seafarers, coasts and inland waters. He was believed to have the ability to calm waters and quell fires.

Our Njord features a pleasing and uniform image with the power to overcome high ambient lit rooms, making it the ideal choice for larger screens, outdoor entertainment spaces and contemporary glass home designs, whilst delivering an unbelievably bright and detailed image with spectacular color fidelity for an unmatched experience that will delight even the most discerning clients.



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 and more efficiently. We use an advanced image processing technique to display the image on the screen without any artifacts and with close to zero latency, all made possible by what we call Single Step Processing (SSP™)

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 using the very latest 0.9-inch DMD DLP chipset, delivering 3,840 x 2,160 pixels on screen.

Njord 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 offers 4K UHD resolution for superb image quality. Thanks to its modular design Njord is easy to service. Njord is the most compact rugged projector that offers up to 12,500 lumens light output currently available. One of its most striking features is that as standard it's equipped with a fully featured-on-demand option for flexible light output between 1,000-12,500 lumens.

Laser light source

Outstanding image quality also requires an exceptional light source which is why we have equipped Njord with a brand new laser engine. Alongside significantly improved image uniformity (95%) the unit is also equipped with custom selected lasers to deliver a DCI/P3 color gamut. Lasers offer longer lifetime than traditional projector lamps, are not as fragile and offer near instant on/off.

Technical specifications

Resolution	3,840 x 2,160
Display technology	DLP - 0.9" Three-Chip DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	up to 12,500 lumens in DCI/P3 mode up to 9,350 lumens in DCI/P3 @ 110V
Contrast	600:1 ANSI contrast / 20,000:1 Dynamic On/Off contrast
Color space	DCI/P3
Light engine	Laser Phosphor
Laser lifetime	20,000 hours
Lenses	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
Lens shift range	Up to 73 shift up for some lenses, 57% down, 28% Horizontal
Inputs	HDMI 2.0, HDBaseT 1.4, DP 1.2, Quad SDI/HDSDI/dual HDSDI/Quad 3G HDSDI/BarcoLink
Control	TCP/IP, RS232, RJ45
Control drivers	Control4, Crestron, RTI and Savant
3D	active eyewear (optional), passive Infitec (optional), passive circular (optional), triple flash up to 200Hz
Dimensions (WxLxH)	540 x 725 x 355mm / 28.54 x 21.26 x 14 in. (including feet / excluding lens)
Weight	48kg / 105bs (excluding lens)
Shipping dimensions (WxLxH)	850 x 665 x 613 mm / 33.46 x 26.18 x 24.13 in. (including pallet / excluding lens)
Power requirements	110-130V/200-240V, 50-60 Hz
Power consumption	230V: 1723W Max 20-25°C / 68-77°F 110V: 1,360W Max, measured in 20-25°C / 68-77°F
BTU per hour	Max 5875 BTU/h @ 200-240V Max 4811 BTU/h @ 110-130V
Noise level (typical at 25°C/77°F)	46 dB(A) (normal)
Operating temperature	0 ~ 40°C / 32 ~ 104°F
Operating humidity	0% - 80%
Installation	Free rotation 360 degrees
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor, extendable up to 5 years