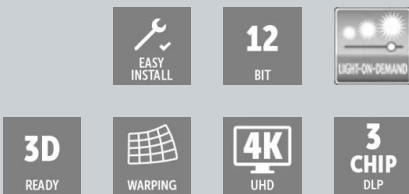


Njord

Njord has a pleasing calm uniform image and is designed for large screens or high ambient light environments.



- **Theater & Media Room Series**
- **4K UHD Resolution (3,820 x 2,160)**
- **3-Chip DLP**
- **Up to 12,500 ANSI Lumens**

Njord inherits a lot from its predecessor Wodan, however, the light source and optical engine are completely redesigned, made smaller, more efficient, and most importantly optimized for perfect cinematic colors.

Njord not only offers a pleasing uniform image, it also has the power to illuminate large screens or high ambient light environments; like outdoor entertainment spaces and contemporary glass home designs. These environments will all benefit from an unbelievably bright and detailed image with spectacular color fidelity for the most demanding clients.

Single Step Processing SSPT™

Pulse is a hardware and software based platform that simplifies the signal allowing it to transmit from source to screen much faster and more efficiently. We use an advanced image processing technique to display the image on the screen without any artefacts and with the lowest possible processing lag (<20ms with all image processing), this is made possible by our Single Step Processing (SSPT™).

State of the art electronics

All new Pulse electronics have been designed to process 4K with HDMITM 2.0a and HDCP 2.2 and the optical engine utilises the very latest 0.9" DMD DLP chipset, delivering 5,120 x 2,160 pixels to screen. Njord also features HDR, motorised lenses and Barco's unique RealColor processing, enables simple and accurate calibration to any desired color standard or white point.

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 4,000-12,500 lumens.

Laser Light Source

Outstanding image quality also requires an exceptional light source which is why we designed Njord with a brand new laser engine, significantly improving image uniformity (95%) over its predecessor. Njord is also equipped with custom selected lasers to deliver a DCI/P3 color gamut.

Lasers last longer than traditional projector lamps, are not as fragile and offer nearly instant on/off.

Specifiche tecniche**NJORD**

Specifiche generali	
Tipo di proiettore	Three chip DLP
Tecnologia	3 x 0.90" DMD™ with sealed core
Risoluzione	3,840 x 2,160 (4K UHD)
Proporzioni	1.78:1 (16:9)
Sorgente luminosa	Laser phosphor
Durata sorgente luminosa	Up to 20,000
Emissione luminosa	Up to 12,500 ANSI Lumens Dimable to 4,000 lumens
	NOTE: Up to 9,350 ANSI Lumens @ 110v
CLO (Constant Light Output)	Yes
Rapporto di contrasto	20,000:1 (with DynaBlack enabled) 2,000:1 Sequential 600:1 ANSI
Uniformità della luminosità	>90%
Intervallo obiettivo	(R9801661) -TLD+ (0.41:1) -90 Degree Lens (R9862001) -TLD+ (0.73 - 0.94:1) -90 Degree Lens (R9801414) -TLD+ (0.92 - 1.33:1) (R9862005) -TLD+ (1.24 - 1.56:1) (R9862010) -TLD+ (1.49 - 2.02:1) * (R9862020) -TLD+ (2.01 - 2.76:1) * (R9862030) -TLD+ (2.69 - 4.41:1) * (R9862040) -TLD+ (4.37 - 7.35:1) * (R9829997) -TLD+ (6.95 - 10.83:1) * Standard Lens Option(s)
Spostamento obiettivo ottico	Up to 73% vertical lens shift & up to 28% horizontal lens shift (depending on lens selection) Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here
Schermo paralucente ottico	Yes
Correzione del colore	P7 RealColor™
Gamma di colori	Up to DCI (P3)
Elaborazione delle immagini	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientazione	360° Rotation
Connessione in rete	10/100 Ethernet via RJ45 connection
Server web integrato	Yes
Diagnostica	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Ingressi	1 x HDMI™ 2.0 (HDCP 2.2) 2 x HDBaseT (HDCP 1.4 -9Gbps only) 1 x Display Port 1.2 Quad 3G / 12G SDI / BarcoLink 1 x RJ45 Ethernet 1 x RS232 1 x USB 2 x DMX (1 x Input / 1 x Output) 1 x XLR for Wired Remote 2 x 3D Sync (1 x Input / 1 x Output) Optional Upgrade: Quad DP1.2
Risoluzioni in ingresso	HDMI™: Up to 4,096 x 2,160 @ 24/25/30/50/60Hz DisplayPort (Single Input): Up to 4,096 x 2,160 @ 24/30/50/60Hz via Optional Quad DP1.2 Input Card DisplayPort (Layout Mode: 2 x 2) *: Up to 1,920 x 1,080 @ 120Hz Up to 2,048 x 1,080 @ 120Hz DisplayPort (Layout Mode: 4 x 1) *: Up to 960 x 2,160 @ 120Hz * Specialist GFX cards may be required
Latenza	TBD
Controllo	IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant WiFi (Optional), XLR Wired Remote, GSM (Optional)
Requisiti di alimentazione	110 -130V / 200 -240V / 50 -60Hz

Specifiche tecniche**NJORD**

Consumo energetico	1,723 W Max
Livello di rumore (tipico a 25°C/77°F)	46 dB(A)
Intervallo temperature in funzionamento	0 to 40 °C at Sea Level Optimal Set Point: 20 °C
Umidità in funzionamento	0 to 80% (relative humidity)
BTU per ora	Max: 5,876 BTU/h @ 200 -240V Max: 4,811 BTU/h @ 110 -130V
Requisiti per flusso d'aria	Air Inlet (from Rear w/Feet Down): Front / Top / Right Exhaust (from Rear w/Feet Down): Rear Clearance Requirements: Front: 40cm Left: 1cm Right: 40cm Rear: 40cm Top: 40cm
Ventilazione di scarico	152 ft ³ /min @ 25 °C 258 m ³ /hour @ 25 °C Download Lens & Airflow Data Here
Dimensioni (PXLXA)	Excluding Lens 540 x 725 x 355 mm 21.26 x 28.54 x 14 in.
Peso	Excluding Lens 48kg / 105lbs
Dimensioni imballaggio (P x L x A)	Including Pallet -Excluding Lens (Packaged Separately) 850 x 665 x 613 mm 33.46 x 26.18 x 24.13 in.
Peso con imballo	TBD
Accessori standard	Power Cord / Remote Control
Certificazioni	CE, FCC Class A and cCSAus
Requisiti di sicurezza	This projector may become Risk Group 3 (RG3) when an interchangeable lens with throw ratio greater than 2.3 is installed. Refer to the installation manual for further information.
Garanzia	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

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