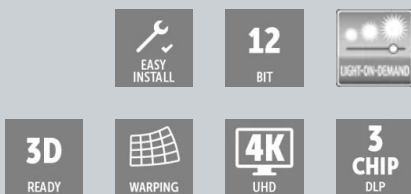


Njord Cinemascope

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



- Theater & Media Room Series
- 5K UHD Resolution (5,120 x 2,160)
- 3-Chip DLP
- Up to 9,000 ANSI Lumens

Njord Cinemascope inherits everything from Njord except the aspect ratio, Njord Cinemascope's high-capacity 2.37:1 aspect DLP engine. Its exceptional design allows a cinemascope film to be shown without requiring an anamorphic lens. The light source and optical engine are completely redesigned, made smaller, more efficient, and most importantly optimized for perfect cinematic colors compared to the older model Wodan.

Single Step Processing SSP™

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 (SSP™).

State of the art electronics

All new Pulse electronics have been designed to process 4K with HDMI 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 CS 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 Cinemascope offers 5K UHD resolution (5,120 x 2,160) for superb image quality. Thanks to its modular design of only five building blocks, Njord CS is easy to service. Njord CS is the most compact and rugged cinemascope projector offering 9,000 lumens light output currently available.

Laser Light Source

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

Product specifications**NJORD CINEMASCOPE**

| General specifications | |
|-----------------------------|--|
| Projector type | Three chip DLP |
| Technology | 3 x 0.90" DMD™ with sealed core |
| Resolution | 5120 x 2,160 (5K UHD) |
| Aspect ratio | 2.37:1 (CinemaScope) |
| Light source | Laser phosphor |
| Light source lifetime | Up to 20,000 |
| Light output | Up to 9,000 ANSI Lumens Dimable to 4,000 lumens NOTE: Up to 6,940 ANSI Lumens @ 110v |
| CLO (constant light output) | Yes |
| Contrast ratio | 20,000:1 (with DynaBlack enabled) 2,000:1 Sequential 600:1 ANSI |
| Brightness uniformity | >90% |
| Lens range | (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) |
| Optical lens shift | Up to 97% shift up, 76% down, & up to 28% horizontal lens shift (depending on lens selection) Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here |
| Optical dowser | Yes |
| Color correction | P7 RealColor™ |
| Color gamut | Up to DCI (P3) |
| Image processing | Embedded Warp & Blend Engine |
| WARP | 4-Corner Warp & Bow Correction via Warp Engine |
| Orientation | 360° Rotation |
| Network connection | 10/100 Ethernet via RJ45 connection |
| Integrated web server | Yes |
| Diagnostics | via Prospector web interface |
| HDR | HDR10 |
| 3D | Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details |

Product specifications**NJORD CINEMASCOPE**

| | |
|---|--|
| Inputs | 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 |
| Input resolutions | 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 |
| Latency | TBD |
| Control | IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant WiFi (Optional), XLR Wired Remote, GSM (Optional) |
| Power requirements | 110 -130V / 200 -240V / 50 -60Hz |
| Power consumption | 110V: 1,347W Max, measured in 20-25°C / 68-77°F 230V: 1720W Max 20-25°C / 68-77°F Power consumption will increase if ambient temperatures increases above 25°C / 77°F |
| Noise level (typical at 25°C/77°F) | 46 dB(A) |
| Operating temperature | 0 to 40 °C at Sea Level Optimal Set Point: 20 °C |
| Operational humidity | 0 to 80% (relative humidity) |
| BTU per hour | Max. 5,875 BTU/h @ 200 -240V Max. 4,599 BTU/h @ 110 -130V |
| Airflow requirements | 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 |

Product specifications**NJORD CINEMASCOPE**

| | |
|-----------------------------|--|
| Exhaust airflow | 152 ft ³ /min @ 25 °C 258 m ³ /hour @ 25 °C Download Lens & Airflow Data Here |
| Dimensions (WxLxH) | Excluding Lens 540 x 725 x 355 mm 21.26 x 28.54 x 14 in. |
| Weight | Excluding Lens 48kg / 105bs |
| Shipping dimensions (WxLxH) | Including Pallet -Excluding Lens (Packaged Separately) 850 x 665 x 613 mm 33.46 x 26.18 x 24.13 in. |
| Shipping weight | TBD |
| Standard accessories | Power Cord / Remote Control |
| Certifications | CE, FCC Class A and cCSAus |
| Safety requirements | 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. |
| Warranty | 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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