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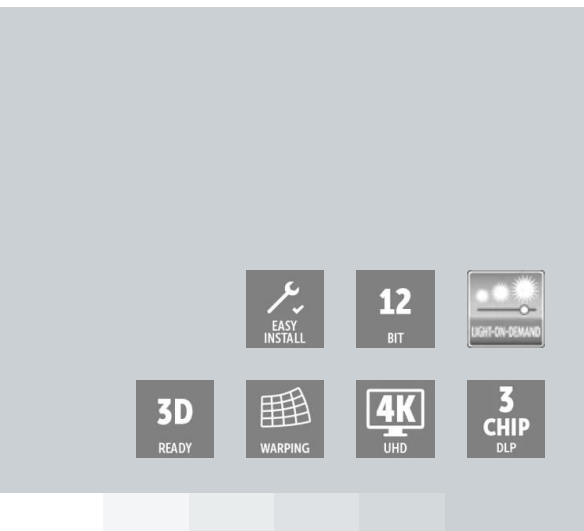
Hodr Cinemascope has a pleasing calm uniform image and is designed for large screens or high ambient light environments.

Feature icons: EASY INSTALL · 12 BIT · LIGHT-ON-DEMAND · 3D READY · WARPING · 4K UHD · 3 CHIP DLP

- **Theater & Media Room Series**

- **5K UHD Resolution (5, 120 x 2,160)**

- **3-Chip DLP**

- **Up to 5,600 ANSI Lumens**

Hodr Cinemascope is Njord Cinemascope's little brother and means warrior. Hodr Cinemascope delivers perfect cinematic colors, supporting DCI/P3 color gamut, 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.

Our Hodr Cinemascope features a pleasing and uniform image with the power light up medium to large screens, whilst delivering an unbelievably detailed image with spectacular color fidelity for an unmatched experience that will delight even the most discerning clients.

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 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. Hodr 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.

BARCO

Building Blocks

Hodr Cinemascope offers 5K UHD resolution (5,120 x 2,160) for superb image quality. Thanks to its modular design of only five building blocks, Hodr CS is easy to service.

Laser Light Source

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

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

Product specifications	HODR CINEMASCOPE
General specifications	
Projector type	Three chip DLP
Technology	3 x 0.90" DMD™ with sealed core
Resolution	5,120 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 5,600 ANSI Lumems Dimable to 3,000 lumens
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 (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

Product specifications	HODR CINEMASCOPE
Diagnostics	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI^{TM} 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^{TM}: 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: 1,235W Max, measured in 20-25°C / 68-77°F 230V: 1178W Max 20-25°C / 68-77°F Power consumption will increase if ambient temperatures increses above 25°C / 77°F

Product specifications	HODR CINEMASCOPE
Noise level (typical at 25°C/77°F)	43 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. 4,022 BTU/h @ 200 -240V Max. 4,216 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
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

Last updated: 27 Mar 2024

ENABLING BRIGHT OUTCOMES

BARCO