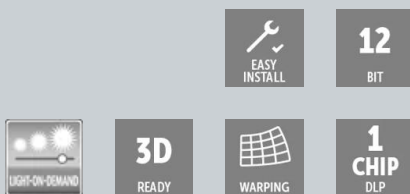# Bragi CinemaScope

Using Barco's renowned Pulse electronic and software platform, Bragi CinemaScope is powered by a revolutionary, new, high lumens density (HLD) RGB LED light engine.

EASY INSTALL **12 BIT** **LIGHT-ON-DEMAND** **3D READY** **WARPING** **1 CHIP DLP**

- **Theater Series**

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

- **Solid State RGB LED**

- **Up to 2,200 ANSI Lumens**

Bragi takes its name from an historical ninth-century poet. His poems were so outstandingly artful and moving that subsequent generations imagined that, upon his death, Odin had appointed him the court poet of Valhalla.

Bragi, being Balder's brother and inherits the same design philosophy, optical core and lenses.

Professional grade optics
By basing Bragi Cinemascope's optical engine on its bigger brother Balder Cinemascope's architecture, incorporating custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own.

Topping that, Bragi's chassis and core are built from aluminium and magnesium, which offer exceptional robustness, resulting in the best picture quality ever shown at this level.

State of the art electronics
Thanks to our unique single step processing technology (SSPTM), Pulse electronics are designed to process 4K UHD, HDMI^{TM} 2.0a, HDCP 2.2 and HDR10 signals with extremely low latency.

Bragi CinemaScope uses the very latest 0.9" DMD DLP chipset, to display flawless 5K UHD (5,120 x 2,160 px), 2.37:1 aspect ratio images on screen.

CinemaScope
Our unique aspect ratio detection system, automatically crops and scales

BARCO

Our unique aspect ratio detection system, automatically crops and scales content to fit the appropriate screen area, ranging from 1.78:1 to 2.39:1.

Manual cropping is also available for custom configurations such as cinemascope subtitle support, where only the top black bar (letterboxing) is removed, preserving the subtitles at the foot of the image.

Colors

Combining HLD LED illumination with regular LED colors which appear more saturated, the human eye is tricked to interpret this as richer, brighter colors than they are physically measured. Bragi also includes a motorized DCI/P3 filter for improved HDR color accuracy.

Additionally, Barco's RealColor processing enables simple and accurate calibration to your desired color gamut or white point.

Especificações técnicas	BRAGI CINEMASCOPE
Especificações gerais	
Tipo de projetor	Single chip DLP
Vida útil da fonte de luz	Up to 50,000 hours * Brightness mode dependent
CLO (saída de luz constante)	Yes
Obturador óptico	Yes
Tecnologia	0.9" DMD™
Servidor web integrado	Yes
Resolução	5,120 x 2,160 (5K UHD)
Diagnóstico	via Prospector web interface
Proporção da imagem	2.37:1 (CinemaScope)
Fonte de luz	Solid State RGB LED
Saída de luz	Up to 2,200 ANSI Lumens
Taxa de contraste	1,800:1 Sequential 450:1 ANSI
Uniformidade de brilho	>90%
Resoluções de entrada	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
Alcance das lentes	(R9802232) -EN68 (0.30:1) -Periscope Lens (requires vertical installation) (R9801832) -FLDX UST (0.41:1) -90° Lens (R9802244) -EN67 (0.65:1) (R9802243) -EN66 (0.80 -1.21:1) (R9802003) -EN76 (0.95 -1.30:1) (R9802242) -EN63 (1.20 -1.70:1) * (R9802241) -EN61 (1.70 -2.50:1) * (R9801211) -EN44 (2.50 -4.60:1) *Standard Lens Option(s)
Latência	TBD
Deslocamento ótico de lente	Up to 122% vertical lens shift & up to 40% horizontal lens shift (depending on lens selection) Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here
Correção de cor	P7 RealColor™
Gama de cores	REC.709 DCI (P3) via internal filter
Processamento de imagem	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientação	360° Rotation
Conexão de rede	10/100 Ethernet via RJ45 connection
Umidade operacional	20 to 80% (relative humidity)
HDR	HDR10
Imagens em 3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Entradas	1 x HDMI™ 2.0 (HDCP 2.2) 1 x HDBaseT (HDCP 1.4 -9Gbps only) 2 x Dual Link DVI-D 2 x Display Port (1.2) 12G-SDI 1 x RJ45 Ethernet 1 x RS232 1 x Remote Control (RC) 3 x USB (2 x Rear, 1 x Front) DMX (1 x Input, 1 x Output)
Dimensões da remessa	Excluding Lens 464 x 679 x 773 mm 18.27 x 26.7 x 30.4 in

Especificações técnicas	BRAGI CINEMASCOPE
Controlar	IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant NOTE: 12v Trigger(s) do not follow standard functionality and require an IP command to enable / disable them. Download our integration guide for more information.
Peso de expedição	TBC
Requisitos de energia	100 -240V / 50 -60Hz
Acessórios padrão	Power Cord, Remote Control
Certificações	CE, FCC Class A and cCSAus
Consumo de energia	570 W -Max
Nível de ruído (típico a 25°C/77°F)	30 -33 dB(A) Max.
Operação 24 horas por dia e 7 dias por semana	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.
Temperatura de operação	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
*	* Service required following 20,000 hours use Please contact an authorized Barco representative for details
BTU por hora	1,945 BTU/h -Max
Requisitos de fluxo de ar	Air Inlet (from Rear w/Feet Down): Right Side Exhaust (from Rear w/Feet Down): Rear Clearance Requirements: Front: 1cm Left: 1cm Right: 25cm Rear: 25cm Top: 1cm
Fluxo de ar de exaustão	58 ft^3/min @ 22.9 °C 99 m^3/hour @ 22.9 °C Download Lens & Airflow Data Here
Dimensões (LxPxA)	Excluding Lens 450 x 482 x 255 mm 17.7 x 19 x 10 in.
Peso	Excluding Lens 21.5 kg / 47.4 lbs
Garantia	Limited 3 years parts and labor Extendable up to 5 years

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