

Bragi CinemaScope

Bragi will have the same PULSE electronic and SW platform powered by a revolutionizing new LED engine.



- Theater Series
- 5K UHD Resolution (5,120 x 2,160)
- Solid State RGB LED
- Up to 2,200 ANSI Lumens

Bragi CinemaScope is taking 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 is also Balders brother and inherited Balders design language, optical core and lenses. Bragi will have the same PULSE electronic and SW platform powered by a revolutionizing new LED engine.

Professional grade optics

By basing Bragi's cinemascope optical engine on it's bigger brother Balder CS architecture, custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. To top that, Bragi CS's frame and core is built in Aluminium and Magnesium, 23kg of pure quality. the result is the best picture quality ever shown at this level.

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 is utilising the very latest 0.9" DMD DLP chipset, delivering 5,120 x 2,160 pixels on screen.

CinemaScope

Bragi CS has a unique automatic aspect ratio detection function. It will look for 2.40:1 content and automatically scale the image to fit the 5120x2160 resolution and of course change back to 16:9 (3840x2160) if you have content in that format. It will also change aspect ratio when a 2.40:1 format movie has a menu's outside the active picture frame. You can also switch manually between the different formats.

Colors

LED colors are more saturated, our eyes are tricked to interpret this as richer and brighter colors than they are physically measured. Bragi will offer colors in P3/DCI color mode.

PRODUCT SPECIFICATIONS**BRAGI CINEMASCOPE**

Projector type	Single chip DLP
Technology	0.9" DMD™
Resolution	5,120 x 2,160 (5K UHD)
Aspect ratio	2.37:1 (CinemaScope)
Light source	Solid State RGB LED
Light source lifetime	Up to 50,000 hours **
Light output	Up to 2,200 ANSI Lumens
CLO (constant light output)	Yes
Contrast ratio	1,800:1 Sequential 450:1 ANSI
Brightness uniformity	90%
Lens range	EN68 (0.30:1) EN47 (0.65:1) EN66 (0.80 - 1.21:1) EN63 (1.20 - 1.70:1) EN61 (1.70 - 2.50:1) EN44 (2.50 - 4.60:1)
Optical lens shift	Up to 122% vertical lens shift & up to 39% horizontal lens shift (depending on lens selection) Motorized zoom, focus, iris, shutter and 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	DCI (P3) via internal filter REC.709
Image processing	Embedded warp, bow correction & blend engine
WARP	Four corner warp
Orientation	360° rotation, no restrictions
Network connection	10/100 Ethernet via RJ45 connection
Integrated web server	Yes
HDR	HDR10
3D	Active stereoscopic 3D* (requires firmware release 1.5 onwards) Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI 2.0a (HDCP 2.2), 1 x HDBaseT (HDCP 1.4), 2 x dual link DVI-D, 2 x Display Port, HDSDI 1 x RJ45 Ethernet, RS232, 3 x USB, DMX in/out*
Input resolutions	VGA up to 4K UHD (3,840 x 2,160) @ 60Hz Up to 2,560 x 1,600 @ 120Hz
Latency	
Control	IR, RS232, TCP/IP, 3 x 12v Trigger* (requires firmware release 1.6 onwards) Driver modules available for: Crestron, Control4 and Savant
Power requirements	100 -240V / 50 -60Hz
Power consumption	500 W (Typical) 570 W (Max.)
Noise level (typical at 25°C/77°F)	30-33 dB(A)
Operating temperature	10 to 45 °C (sea level)

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Operational humidity	20 to 80% (relative humidity)
BTU per hour	1,707 BTU/h (Typical) 1,945 BTU/h (Max)
Airflow requirements	Air Inlet (from Rear w/Feet Down): Right Side Exhaust (from Rear w/Feet Down): Rear Clearance Distances (Front / Left / Right / Rear): 1cm / 1cm / 25cm / 25cm
Exhaust airflow	59.8 ft ³ /min @ 25 °C (Brilliant Color = Off) 68.7 ft ³ /min @ 25 °C (Brilliant Color = Video) Download Lens & Airflow Data Here
Dimensions (WxLxH)	450 x 482 x 255 mm (including feet / excluding lens) 17.7 x 19 x 10 in. (including feet / excluding lens)
Weight	21.5 kg / 47.4 lbs (excluding lens)
Shipping Dimensions	TBC
Shipping weight	TBC
Storage temperature	-20 to 60 °C
Storage humidity	10 to 90% (relative humidity)
Standard accessories	Power cord(s), wireless remote control
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor Extendable up to 5 years
*	* Firmware upgradable ** Service required following 20,000 hours use Please contact an authorized Barco representative for details

Last updated: 21 Sep 2020

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.