

Bragi Cinemascope

Theater Series



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.



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Key features

Professional-grade optics

By basing Bragi's cinemascope optical engine on its 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-inch 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.

Technical specifications

Resolution	5120 x 2,160 px
Display technology	Single chip 4K XPR DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 2100 lumens
Contrast	450 : 1 ANSI Contrast
Light Engine	Solid State RGB LED
LED life	up to 50.000 hours*
Lenses	0.30 : 1 (EN68) 0.65 : 1 (EN47) 0.8 : 1 (EN 42) 0.8 - 1.21 : 1 (EN66) 1.2 - 1.7:1 (EN 63) 1.7 - 2.5 : 1 (EN61) 2.5 - 4.6 : 1 (EN 44)
Lens shift range	Varies depending on lens, more than 100% with EN41 & EN43
Inputs	2x DP, 2x dual link DVI, HDBaseT, HDMI 2.0
Control	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
3D	active stereoscopic 3D Sync 3-pin DIN, BNC (SW upgrade Q4 2018)
Dimensions (WxLxH)	450 x 457 x 244 mm / 17,7 x 18,0 x 9,6 in
Shipping Dimensions	tbd
Weight	21,5 kg / 47,4 lbs
Power requirements	110 - 240 V / 50-60 Hz
Power consumption	500 W typical, 570 W maximum
BTU per Hour	1,707 BTU/h typical, 1,945 BTU/h max
Noise level (typical at 25°C/77°F)	30-33 dB(A) (max)
Operating temperature	10 - 45°C (sea level)
Operating humidity	20 - 80% RH
Installation	free rotation
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor, extendable up to 5 years

* a small service is required after 20 000 hours