

Balder Cinemascope

Theater & Media Room Series



The Barco Balder CinemaScope has been enhanced with Ultra HD CinemaScope technology. This projector delivers the finest Ultra-high resolution CinemaScope HDR10 compatible pixels on screen. It's driven by a new single laser light engine and optical design that's derived from our higher-end Loki range.



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SERIES

Key features

Professional-grade optics

By basing Balder's cinemascope optical engine on its bigger brother Loki's 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, Balder CS's frame and core is built in Aluminium, 37kg 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

Balder 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.

Liquid cooling

Balder CS has departed from a pure fan based cooling system to a liquid cooling PID regulation system, allowing Balder to operate in any angle.

Technical specifications

Resolution	5160 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 3,500 lumens M-version: up to 5,600 lumens
Contrast	600 : 1 ANSI Contrast
Light Engine	Laser phosphor
Laser life	100% 20.000 hours -> 50% Brightness 75% 60.000 hours -> 50% Brightness
Lenses	0.30 : 1 (EN58) 0.61 : 1 (EN47) 0.8 : 1 (EN 42) 0.75 - 1.13 : 1 (EN46) 1.2 - 1.7:1 (EN 43) 1.7 - 2.5 : 1 (EN41) 2.5 - 4.6 : 1 (EN 44)
Lens shift range	Varies depending on lens, more then 200% with EN41 & EN43
Inputs	2x DP, 2x dual link DVII, HDBaseT, HDMI 2.0
Control	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
3D	active stereoscopic 3D
Dimensions	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Shipping Dimensions	TBD
Weight	37 kg / 81,5 lbs
Power requirements	110 - 240 V / 50-60 Hz
Power consumption	1,100 W Max
BTU per Hour	Max 4,000 BTU/h max
Noise level (typical at 25°C/77°F)	tbd
Operating temperature	10 - 40°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

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