

Balder Cinemascope

Theater & Media Room Series



courtesy of Perfect Integration



Balder Cinemascope fuses together the world's finest optical components with the imaging device technology chosen by 8 out of 10 professional cinemas, DLP, our unique PULSE electronics platform and inhouse designed laser engine. It is the cornerstone of a home cinema system designed to deliver the most outstanding of experiences in the world's finest homes and yachts.



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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 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	5,120 x 2,160 px @ 60Hz
Display technology	DLP - 0.9" Single Chip DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 4,000 lumens M-version: up to 5,600 lumens
Contrast	450 : 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 (EN68) 0.41 : 1 (UST 90 degree lens) 0.65 : 1 (EN67) 0.80 - 1.21 : 1 (EN66) 0.90 - 1.30 : 1 (EN76) 1.21 - 1.70 : 1 (EN63) 1.70 - 2.50 : 1 (EN61) 2.50 - 4.60 : 1 (EN44) 6.50 - 9.10 : 1 (EN69)
Lens shift range	Varies depending on lens, more than 100% with EN41 & EN43
Inputs	HDMI 2.0, HDBaseT (1.4), DVI, DisplayPort, SDI, DMX
Control	TCP/IP, RS232, IR, Keypad, 12v Trigger
Control drivers	Control4, Crestron, RTI and Savant
3D	active stereoscopic 3D Sync 3-pin DIN, BNC
Dimensions	475 x 588 x 286 mm / 18.7 x 23.1 x 11.3 in. (including feet / excluding lens)
Shipping dimensions	730 x 600 x 480 mm/ 28,7 x 23,7 x 18,9 in (43kg / 94.8 lbs)
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)	36 dB(A)
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

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