

# Balder Cinemascope

## Theater & Media Room Series



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.



# Balder Cinemascope



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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

<b>Resolution</b>	5120 x 2,160 px
<b>Display technology</b>	Single chip 4K XPR DMD™
<b>Housing</b>	Sealed DMDs and optical assembly
<b>Input compatibility</b>	up to 4K UHD
<b>Light output</b>	T-version: up to 3,500 lumens M-version: up to 5,600 lumens
<b>Contrast</b>	490 : 1 ANSI Contrast
<b>Light Engine</b>	Laser phosphor
<b>Laser life</b>	100% 20.000 hours -> 50% Brightness 75% 60.000 hours -> 50% Brightness
<b>Lenses</b>	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)
<b>Lens shift range</b>	Varies depending on lens, more then 200% with EN41 & EN43
<b>Inputs</b>	2x DP, 2x dual link DVII, HDBaseT, HDMI 2.0
<b>Control</b>	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
<b>3D</b>	active stereoscopic 3D Sync 3-pin DIN, BNC (SW upgrade Q4 2018)
<b>Dimensions</b>	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
<b>Shipping Dimensions</b>	TBD
<b>Weight</b>	37 kg / 81,5 lbs
<b>Power requirements</b>	110 - 240 V / 50-60 Hz
<b>Power consumption</b>	1,100 W Max
<b>BTU per Hour</b>	Max 4,000 BTU/h max
<b>Noise level (typical at 25°C/77°F)</b>	36 dB(A) (max)
<b>Operating temperature</b>	10 - 40°C (sea level)
<b>Operating humidity</b>	20 - 80% RH
<b>Installation</b>	free rotation
<b>Certifications</b>	CE, FCC Class A and cCSAus
<b>Warranty</b>	Limited 3 years parts and labor, extendable up to 5 years

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