

Loki Cinemascope

Theater & Media Room Series



The Barco Loki Cinemascope offers the same Ultra HD enhancements as the Barco Loki projector, coupled with a high-capacity 2.37:1 aspect DLP engine. Its exceptional design allows a cinemascope film to be shown without requiring an anamorphic lens. The projector also provides Barco's renowned single step image processing and low latency scaling technologies.



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Key features

Professional-grade optics

By basing Loki Cinemascope on a proven optical architecture, custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. Contrast is not only increased, but the details within the darkest parts of the image are more visible.

Cinemascope

The Loki Cinemascope has a unique automatic aspect ratio detection function. It will look for 2.40:1 content and automatically scale the image to fit the 5,120 x 2,160 resolution and change back to 16:9 (3,840 x 2,160) if you have content in that format. It will also change aspect ratio when a 2.40:1 format movie has a menu outside the active picture frame. You can also switch manually between the different formats.

Laser light source

Outstanding image quality also requires an exceptional light source. This is why we have packed Loki Cinemascope with a brand new dual laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are not as fragile and offer nearly instant on/off. Light life is up to 60,000 hours.

Liquid cooling

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

Technical specifications

Resolution	5,120 x 2,160
Display technology	Single chip XPR DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 5,120 x 2,160 @ 24Hz
Light output	DCI/P3: up to 5100 ANSI lumen T-version: up to 6,500 ANSI lumens M-version: up to 7,800 ANSI lumens
Contrast	450:1 ANSI contrast / 1,800 :1 On/Off contrast
Light engine	Laser phosphor
Lenses	EN68 0.30 : 1 EN47 0.65 : 1 EN46 0.80 - 1.21 : 1 EN63 1.21 - 1.70 : 1 EN61 1.70 - 2.50 : 1 EN44 2.50 - 4.60 : 1
Lens shift range	Varies depending on lens, check master specification sheet
Inputs	HDMI 2.0, HDBaseT (1.4), 2x DP, 2x dual link DVI
Control	TCP/IP, RS232, RJ45, 12V trigger (FW 1.6 or greater)
Control Drivers	For Savant, Control4 and Crestron
3D	active stereoscopic 3D Sync 3-pin DIN, BNC (requires FW 1.5 or greater)
Dimensions	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in (excludes lens)
Weight	44,5 kg /98.1 lbs
Shipping dimensions	720 x 910 x 630 mm / 28.4 x 35.8 x 24.8 in (55kg / 12.3 lbs)
Power requirements	110 - 240 V / 50 - 60 Hz
Power consumption	1,600 W max
BTU per hour	Max 6,000 BTU/h
Noise level (typical at 25°C/77°F)	38 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