

# Heimdall Theater Series PRELIMINARY



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Barco Residential Demo Pod Kortrijk, BE



Heimdall is the Norse god who illuminates the world. Our Heimdall guards the Bifrost, having a wide color gamut, capable of displaying vibrant and true-to-life colors, much like the full spectrum of a rainbow.

Heimdall is everything you ever wanted in a home cinema projector... A stunning native 4K picture with full BT2020 color gamut. RGB laser with 4,000 lumens makes large screens shine. HDMI 2.1 provides the latest connectivity, perfect for gaming. Multiple lens options provide installation flexibility. And, Barco Residential can't wait to show you additional functionality coming with future firmware updates!



# Heimdall



THEATER SERIES

## Key features

### Stunning Picture Quality

Heimdall is Barco Residential's first single chip Native 4K projector for exquisite resolution and detail. The RGB laser light engine provides 100% of the BT2020 color gamut, ensuring faithful reproduction of every color in every movie.

### RGB Laser Light Engine

The brand new RGB laser light engine gives Heimdall+ its incredible brightness with a long lifetime of 25,000 hours, even at full power. The solid state design has no moving parts for the absolute highest reliability.

### HDMI 2.1 Connectivity

HDMI 2.1 is the latest standard for connectivity. It allows frame rates up to 240hz and resolutions up to 8K. It's an ideal match for our low latency design and is perfect for advanced gaming applications.

### Next Generation Pulse Platform

Pulse is a hardware and software based platform that simplifies the signal path, allowing it to go from source to screen much faster and more efficiently. We use an advanced image processing technique to display the image on the screen without any artifacts and with virtually to no latency at speeds up to 240hz at Native 4K resolution.

Single Step Processing (SSP™) provides geometry correction, warping & blending & more for ultimate installation flexibility.

### Optics

9 different lenses are available, from ultra short throw to extreme long throw. This allows the Heimdall to be installed in virtually any room and in virtually any location.

## Technical specifications

<b>Resolution</b>	Native 4K: 4,096 x 2,160 px @240hz
<b>Display technology</b>	Single chip 4K DMD™
<b>Housing</b>	Sealed DMDs and optical assembly
<b>Input compatibility</b>	up to 4K UHD
<b>Light output</b>	4,000 lumens
<b>Contrast</b>	20,000:1 (with Dyna-Black)
<b>Color Gamut</b>	REC2020
<b>Light engine</b>	Solid State RGB laser
<b>Laser life</b>	25,000 hours: (100% power/25°C/sea-level) Up to 50,000 hours (Depending on mode of operation)
<b>Lenses</b>	FLC and FLDX (EN Series) with separate lens adapter
<b>Lens shift range</b>	Varies depending on lens
<b>Inputs</b>	HDMI 2.1 (HDCP 2.3)
<b>Control</b>	IR, RJ45, Cabled Remote Control
<b>Control Drivers</b>	Control4, Crestron, Josh.ai (US), RTI and Savant
<b>3D</b>	Active Stereoscopic 3D
<b>Dimensions (WxLxH)</b>	472 x 562 x 286 mm / 18.6 x 22.1 x 11.3 in. (excluding lens)
<b>Shipping dimensions (WxLxH)</b>	TBD
<b>Weight</b>	31 kg/68 lbs
<b>Power requirements</b>	110 - 240 V / 50-60 Hz
<b>Power consumption</b>	1103W, 705W nominal
<b>BTU per Hour</b>	2,404 BTU/h typical, 3,763 BTU/h max
<b>Noise level (typical at 25°C/77°F)</b>	TBD
<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

**PRELIMINARY**

[www.barcoresidential.com](http://www.barcoresidential.com)

