

# Heimdall+

## Theater Series



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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 REC2020 color gamut. RGB laser with 6,000 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+

## 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 supports the REC2020 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 120Hz. This makes it an ideal match for our low latency design and is perfect for advanced gaming applications.

### DynaBlack

DynaBlack provides frame by frame contrast enhancement which analyzes each frame of video. It then uses ultra-fast processing and laser pulsing to increase the overall dynamic range, making darker scenes darker and brighter scenes brighter.

### 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 no latency at speeds up to 120Hz at Native 4K resolution.

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

### Optics

7 different lenses are available, including the all-new EN83. This allows the Heimdall to be installed in virtually any room and in any location.



THEATER SERIES

## Technical Specifications

<b>Resolution</b>	Native 4K: 4,096 x 2,176 pixels
<b>Display Technology</b>	Single Chip 4K DMD™
<b>Housing</b>	Sealed DMDs and Optical Assembly
<b>Input Compatibility</b>	Including & up to 4,096 x 2,160 @ 120hz, RGB/YCbCr 4:4:4 12 bit
<b>Light Output</b>	6,000 ANSI lumens
<b>Contrast</b>	20,000:1 (with DynaBlack)
<b>Color Gamut</b>	REC709, DCI-P3, 98% REC2020
<b>Light Engine</b>	Solid State RGB Laser
<b>Laser Life</b>	25,000 hours: 100% power/25°C (77°F)/sea-level
<b>Lenses</b>	Note: All throw ratios adjusted for 0.98" DLP device on Heimdall 0.53:1 (EN67)* 0.70-1.06:1 (EN66)* 0.83-1.14:1 (EN76)* 1.06-1.50:1 (EN63)* 1.10-1.61:1 (EN83) 1.48-2.18:1 (EN61)* 2.19-4.05:1 (EN64)* * Requires York lens adaptor for FLDX/FLD+ lenses
<b>Lens Shift Range</b>	Varies depending on lens
<b>Inputs</b>	HDMI 2.1 (HDCP 2.3)
<b>Control</b>	IR, RJ45, Optional Cabled Remote
<b>Control Drivers</b>	Control4, Crestron, Josh.ai (US), RTI and Savant
<b>3D</b>	Active Stereoscopic 3D
<b>Dimensions (WxLxH)</b>	473 x 563 x 293 mm / 18.6 x 22.2 x 11.6 in. (excluding lens & feet)
<b>Shipping Dimensions (WxLxH)</b>	560 x 765 x 410 mm / 22.1 x 30.1 x 16.1 in. (excluding lens)
<b>Weight</b>	31 kg/68 lbs
<b>Power Requirements</b>	7-3A, 110 - 240 V~, 50/60Hz
<b>Power Consumption</b>	610W typical, 750W maximum
<b>BTU per Hour</b>	2,081 BTU/h typical, 2,545 BTU/h max
<b>Noise Level</b>	29dB: 100% power/25°C (77°F)/sea-level
<b>Operating Temperature</b>	10 - 40°C (sea level)
<b>Operating Humidity</b>	20 - 80% RH
<b>Installation</b>	Free Rotation
<b>Safety Requirements</b>	RG2, however, this projector may become RG3 when used without lens, or when a lens with a throw ratio greater than or equal to 2.2 is installed. Please refer to installation manual for further information.
<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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