

ILLUMINATING THE SEAS

The next generation of onboard cinema for superyachts has arrived. Barco Residential's latest innovation brings large screen viewing to another level



Picture this: you are at anchor, the sun setting over a tranquil bay, and at the touch of a button, a world-class cinema experience unfolds within your private sanctuary at sea. For ultra-high-net-worth individuals who demand the extraordinary, Barco Residential's latest innovations redefine what's possible in onboard entertainment, bringing together technical mastery and effortless luxury.

HEIMDALL: A NEW STANDARD IN MARINE PROJECTION

Named after the Norse god who illuminates the world, the Heimdall projector series is more than a nod to mythology – it's a

technological breakthrough crafted for the unique demands of life at sea. Superyacht cinemas face challenges that land-based systems never encounter – constant motion, vibration, temperature fluctuations, and strict space and weight constraints. Heimdall is engineered for this environment, delivering cinema-quality visuals regardless of sea conditions.

At its core, Heimdall is Barco Residential's first single-chip native 4K projector, boasting a resolution of 4,096 x 2,176 pixels and powered by a state-of-the-art RGB laser light engine. This engine covers the full REC2020 colour gamut, ensuring that every hue is faithfully reproduced. The solid-state design,

with no moving parts, delivers the highest reliability, crucial for marine applications where resilience is non-negotiable.

Heimdall's 4,500 ANSI lumens make it ideal for most yacht cinemas, while the Heimdall+ variant pushes brightness to 6,000 lumens – enough to illuminate even the largest onboard screens without compromise. Both models offer a remarkable 25,000-hour lifespan at full power, meaning years of maintenance-free enjoyment.

CINEMASCOPE EXCELLENCE AND INTELLIGENT SIMPLICITY

True luxury is effortless, and Heimdall's Cinemascope versions exemplify this

philosophy. With a specialised resolution of 6,144 x 2,592 pixels, these models perfectly match ultra-wide aspect ratios, eliminating the black bars that typically detract from widescreen content. Barco's unique auto aspect detection ensures every film is displayed at its perfect height and format, with virtually no user intervention required – just press play and immerse yourself.

Heimdall is also designed for versatility. Yacht cinemas come in all shapes and sizes, and with up to nine lens options – from ultra-short to extreme long throw – the projector can be tailored to fit any space, whether a cozy lounge or a grand screening room.



PERFORMANCE BEYOND CINEMA: GAMING AND MORE

Modern entertainment is about more than movies. Heimdall's HDMI 2.1 connectivity supports the latest high-resolution, high-frame-rate sources, making it perfect for immersive gaming or live sports. The projector's low-latency design and DynaBlack frame-by-frame contrast enhancement ensure every scene – whether fast-paced action or moody drama – looks its absolute best.

PROVEN RELIABILITY IN EXTREME CONDITIONS

The Heimdall series isn't just built for luxury – it's engineered for endurance. These projectors have proven their mettle in professional simulator systems, where they withstand forces and vibrations far beyond typical marine environments. A sealed DMD and optical assembly ensure consistent performance, even under the harshest mechanical stresses.

TRUEPIX BIFROST AND NT VALI: THE FUTURE OF LED ONBOARD ENTERTAINMENT

For those who crave the cutting edge, Barco's TruePix Bifrost and NT Vali LED video walls offer a revolutionary alternative to traditional projection. These direct-view LED displays eliminate the need for projection surfaces and deliver consistent, breathtaking visuals in any lighting condition – an invaluable advantage at sea.

TruePix Bifrost creates seamless, ultra-high-definition canvases up to 220 inches wide, with pixel pitches as fine as 0.953mm for native 4K resolution. The system's self-levelling mounting structure and camera-guided module placement guarantee a flawless, uniform installation, essential for the sleek, curved lines of modern yacht interiors. With brightness exceeding 600 nits and support for the DCI-P3 colour

gamut, Bifrost delivers over 281 trillion colours with 16-bit depth, ensuring every detail is rendered with cinematic precision.

NT Vali brings Barco's legendary performance to a wider range of yacht applications, with pixel pitches of 1.2, 1.5, and 1.8mm, and configurations up to 217 inches. Both Bifrost and NT Vali can be deployed with a concave curvature up to five degrees, allowing creative installations that follow the architectural lines of your yacht.

STEADYVIEW™ – COMFORT FOR EXTENDED VIEWING

A standout feature of Barco's LED solutions is SteadyView™ technology. Extended viewing sessions, whether for movies, gaming, or live sports, can lead to eye fatigue on conventional LED screens. SteadyView uses a unique driving algorithm to randomise LED patterns, virtually eliminating visual flicker and ensuring comfortable, immersive viewing for hours on end, with no loss of image quality.

A COMPLETE ECOSYSTEM FOR THE ULTIMATE ONBOARD CINEMA

Barco's dual-technology approach – combining the rugged reliability of Heimdall projection with the revolutionary impact of TruePix Bifrost and NT Vali LED walls – sets a new benchmark for luxury yacht entertainment. Whether you prefer the classic allure of projection or the futuristic brilliance of direct-view LED, Barco delivers an ecosystem of solutions that are as reliable as they are awe-inspiring, designed to perform flawlessly no matter where your journey takes you.

For more information, please contact Qualtron, Barco Residential's Marine Distributor.

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