

# Freya+

Barco Residential's Freya projector is based on Barco's highly acclaimed Series 4 platform.



- **Cinema at Home Series**
- **Native 4K Resolution (4,096 x 2,160)**
- **RGB Laser**
- **100% REC.2020**
- **Up to 13,500 ANSI Lumens**

Freya is the wife of Odin, the most powerful god in Northern mythology and the mother of Balder.

That alone should be enough to understand the power of this projector.

The core of the projector uses our renowned Pulse platform which is then combined with Alchemy, creating a very smart, easy to use projector. Freya is exclusively created for high-end home theaters, with more contrast and a wider color gamut, at the level of our reference Thor projector.

It features the latest in native 4K DLP® chipsets from Texas Instruments and the acclaimed Barco Alchemy ICMP (Integrated Cinema Media Processor).

## Cinema at Home

As the opening credits roll, the audience is transported into an unexpected world of superior movie realism, embraced by ultimate image quality and immersive sound. This compelling universe is created by Barco Residential's Freya projector.

## High-end simplicity

Freya combines media server functionalities with cinema processing electronics: Barco Alchemy Integrated Cinema Media Processor (ICMP-X).

The Alchemy includes two HDMI™ 2.0 / HDCP 2.2 inputs for UHD Blu-Ray, games consoles and other consumer devices, supporting HDR10 video signals.

Offering advanced processing power combined with media server functionality, integrated playback and content management, Barco Alchemy supports 4K 2D

Offering advanced processing power combined with media server functionality, integrated playback and content management, Barco Alchemy supports 4K 2D content at up to 60fps and 4K 3D at 30fps. By simplifying the hardware requirements installation is simpler and the system made more reliable and easier to use.

### **4K at the highest level**

Freya inherits much from our award winning Pulse platform, combining this with the Alchemy ICMP we have created a smart and powerful projector. A dedicated 4K (4 x 3Gb/s) input board enables playback of native 4K content, whilst Barco's renowned DCI-compliant image quality, coupled with outstanding uniformity unique RGB laser illumination.

In addition, Freya smartly manages its power consumption of only 6 lm/W and in eco-mode, it consumes less than 3 Watt. Freya can also be remotely woken up on LAN for scheduled maintenance or content ingest.

RGB laser projectors offer improved image quality and are fully compatible with popular 3D systems. Additionally, the projectors light output remains constant over time when used according to recommended practices. Barco Residential's Cinema at home models offer offer exceptional contrast.

## 技术规格

## FREYA+

### 一般规格

投影机类型	三芯片 DLP
技术	3x 0.98 英寸 DC4K TRP
分辨率	4,096 x 2,160 (4K)
纵横比	1.89:1
光源	RGB 三色激光
光输出	13,500 Lumens (typical)
对比度	Up to 8,000:1 Sequential (typical)
亮度均匀度	侧边 80% 四角 75%
镜头系列	Type B Lenses: (R98013983) -VHC HDR LENS: 1.58 – 2.41:1 * (R98013333) -VHC HDR LENS: 1.89 – 2.58:1 * (R98013343) -VHC HDR LENS: 2.03 – 2.94:1 * (R98013533) -VHC HDR LENS: 2.31 – 3.78:1 * (R98013543) -VHC HDR LENS: 2.77 – 4.76:1 *  Type C Lenses: (R98620053) -TLD+ VHC LENS: 1.09 -1.40:1 (R98620103) -TLD+ VHC LENS: 1.28 -1.74:1  * Standard Lens Option(s)
色域	DCI P3 compliant (100% of Rec.2020; when measured in xy-color coordinates)
图像处理	Alchemy-集成式影院媒体处理器 (ICMP)
WARP	不适用
安装角度	底座/桌面
网络连接	通过 RJ45 连接实现 10/100 以太网
HDR	HDR10
3D	支持在银幕上应用主动式眼镜系统和偏振式系统。 不支持色彩分离系统。
输入	Barco Alchemy ICMP-X included in the projector: 2 x HDMI™ 2.0a (up to 4K 2D 60fps) 2 x 3G-SDI inputs 16 x AES/EBU audio channels (2 x RJ45) 8 x GPI, 8 x GPO (4 x RJ45) 2 x Gbe for content connectivity & ingest 2 x front-accessible USB 3.0 for fast ingest 2 x front-accessible USB 2.0  DCI 4K 2D up to 60fps* DCI 4K 3D (24 or 30fps per eye)* DCI High Frame Rates 2K 3D up to 120fps (60fps per eye) JPEG 2000 bit-rates up to 625 Mbps MPEG-2 (4:2:0 and 4:2:2 up to 60fps)
DCI	符合 DCI 规范
集成存储	3.9TB 有效存储 (RAID-5) 通过 3 个 2TB 热插拔 2.5 英寸硬盘
控制	RS232、TCP/IP、8 x GPIO
电源要求	单相: 200-240V, L1 + N + PE, 9A, 50-60Hz (Y)  三相: 200-240 / 346-415V, 3W + N + PE, 8A, 50/60Hz 三相: 200-240, 3W + PE, 8A, 50/60Hz
功耗	1.4kW (节能模式下为 3W)
噪音水平 (25°C/77°F 时的典型值)	48 dB(A) -最小值 (环境温度低于 20°C) 50 dB(A) -普通 60 dB(A) -最大值 (环境温度超过 35°C)
运行温度	10-40°C (104F) 最大值 (海平面)
工作湿度	20-80% 相对湿度
每小时 BTU	7,750 BTU/h (max)
气流要求	进气口 (从后部倒过来看): 前/后/底部 (用户输入侧)  出气口 (从后部倒过来看): 顶部
尺寸 (宽 x 长 x 高)	Projector incl feet: 710 x 1070 x 547 mm / 27,95 x 42,13 x 21,54 inches (710 x 1132 x 547 mm / 27,95 x 44,55 x 21,54 inches with B Lens Holder)
重量	105kg/231.5lbs
保修政策	3 年部件和人工有限质保 最多延保 5 年
安全要求	Laser Class 1 -Risk Group 3

生成于: 07 Nov 2025

© 2025 巴可公司。保留所有权利。未经书面许可, 禁止全部或部分复制。所有品牌名称和产品名称均为其各自持有者的商标、注册商标或商号。由于不断创新, 信息和技术规格如有变更, 恕不另行通知。请查看 [www.barco.com.cn](http://www.barco.com.cn) 以了解最新规格。