

Prometheus III

Leveraging Barco's unique know-how as a market leader in professional cinema and post-production projection.



- Cinema at Home Series
- Native 4K Resolution (4,096 x 2,160)
- Smart Laser
- Up to 11,500 ANSI Lumens

Barco Residential's Prometheus III is exclusively created for high-end home theaters, with more contrast and a wider color gamut. It features the latest 4K DLP® chipsets from Texas Instruments and the acclaimed Barco Alchemy Integrated Cinema Media Processor (ICMP), to faithfully reproduce even the subtlest nuance of color and detail on screen.

Cinema at home

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

High-end simplicity

Prometheus III combines media server functionalities with cinema processing electronics: Barco Alchemy Integrated Cinema Media Processor (ICMP) with HDMI 2.0a and HDCP 2.2 support. The ICMP has two HDMI inputs to support Blu-ray, DVD's, gaming consoles and other media devices. The projector offers advanced processing power combined with media server functionality, integrated playback and content management. Barco Alchemy enables showings of 4K 2D content at 60fps and 4K 3D at 30fps. Reducing the required hardware makes installation simpler and makes the system more reliable and easier to use.

4K at the highest level

Several new components enhance the Prometheus III. A dedicated 4K (4 x 3Gb/s) input board enables playback of native 4K content. Barco's renowned DCI-compliant image quality with the outstanding uniformity that's unique to laser illumination. The Smart Laser projectors show improved image quality on your dedicated screen and are fully compatible with popular 3D systems. Additionally, the projector's light output remains constant over time when used according to recommended practices. Barco Residential's Cinema at home series offer even higher contrast, 4,500:1 sequential / 600:1 ANSI contrast.

PRODUCT SPECIFICATIONS**PROMETHEUS III**

Projector type	Three chip DLP
Technology	3 x 1.38" DMD™
Resolution	4,096 x 2,160 (4K)
Aspect ratio	1.89:1
Light source	Smart Laser
Light source lifetime	30,000 Hours (average usage conditions)
Light output	Up to 11,500 ANSI lumens
CLO (constant light output)	Yes
Contrast ratio	4,500:1 Sequential 600:1 ANSI
Brightness uniformity	80% at sides 75% at corners
Lens range	4K-VHC LNS (1.13 - 1.72:1) 4K-VHC LNS (1.35 - 1.86:1) 4K-VHC LNS (1.46 - 2.10:1) 4K-VHC LNS (1.65 - 2.60:1) 4K-VHC LNS (2.00 - 3.35:1)
Optical lens shift	Up to 25% vertical lens shift & up to 15% horizontal lens shift Motorized zoom, focus, shutter and lens shift Download Lens Data Here
Tilt	15° Forwards 15° Backwards
Optical dower	Yes
Color correction	P7
Color gamut	Wider than DCI/P3
Image processing	Alchemy - Integrated Cinema Media Processor (ICMP)
WARP	N/A
Orientation	Pedestal / Table Top
Network connection	10/100 Ethernet via RJ45 connection
Software tools	Barco Communicator
Integrated web server	No
HDR	HDR10
3D	Active glasses systems supported Polarization systems on silver screens Color separation systems (Dolby 3D and 6P) are not supported
Inputs	Barco Alchemy ICMP included in the projector: 2 x HDMI2.0a (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)
Input resolutions	VGA up to 4K (4,096 x 2,160) @ 120Hz

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Integrated storage	3.9TB effective storage (RAID-5) via 3 x 2TB Hot-swappable 2.5" hard-drives
Control	RS232, TCP/IP, 8 x GPIO
Power requirements	Projector: Single phase 200 - 240V / 20A Cooler: Obtains power from the projector
Power consumption	Projector (incl. Cooler): 3.3 kW
Noise level (typical at 25°C/77°F)	dB(A) @ 1m: 67.6 dB(A) 62 dB(A) (half fan speed)
Operating temperature	10 to 35 °C Max. (sea Level)
Operational humidity	85% Max. (projector and cooler)
BTU per hour	10,796 BTU/h
Airflow requirements	Air Inlet (from Rear w/Feet Down): Front Exhaust (from Rear w/Feet Down): Top (Back Through Accessories)
Exhaust airflow	TDB
Dimensions (WxLxH)	Projector: 754 x 1,129* x 941 mm (including feet and cooler (top mounted) / excludes lens) 29.7 x 44.4 x 37.0 in. (including feet and cooler (top mounted) / excludes lens) * Projector Chassis Only, total depth allowing for cooler hoses is 1,247mm Cooler: 562 x 739 x 348 mm 22.11 x 29.07 x 13.7 in.
Weight	Projector: 144 kg / 318 lbs (excludes lens) Cooler: 32 kg / 70.6 lbs
Shipping Dimensions	960 x 1,370 x 1,040 mm (excludes lens - packaged separately) 37.8 x 53.9 x 40.9 in. (excludes lens - packaged separately)
Shipping weight	203 kg / 448 lbs (excludes lens - packaged separately)
Storage temperature	TBC
Storage humidity	TBC
Standard accessories	TBC
Certifications	TBC
Warranty	Limited 3 years parts and labor Extendable up to 5 years
Safety requirements	Class 1, Risk Group 3
*	Firmware upgradable Please contact an authorized Barco representative for details

Last updated: 30 Jul 2020

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.