

Prometheus I

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)
- 4 kW Xenon Lamp
- Up to 6,500 ANSI Lumens

Created exclusively for ultra-high end home theatres and crafted using our unique know-how as a market leader in professional cinema and post-production projection. Featuring the very latest 4K DLP chipsets from Texas Instruments and our acclaimed Alchemy DCI media server, you can be assured that even the subtlest nuance of color and detail will be faithfully reproduced 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 I.

High-end simplicity

Prometheus I 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 I. A dedicated 4K (4 x 3Gb/s) input board enables playback of native 4K content. Its wide color gamut filter creates a wide gamut of perfect colors. And thanks to the specially made high-contrast lens, the Prometheus I displays images with much greater contrast. And we believe that, when it comes to light output, contrast and color performance, the Prometheus I performs at the absolute highest level.

PRODUCT SPECIFICATIONS**PROMETHEUS I**

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	4 kW Xenon Lamp
Light source lifetime	1,300 Hours (Timer)
Light output	Up to 6,500 ANSI lumens
CLO (constant light output)	Yes
Contrast ratio	2,200:1 Sequential 500:1 ANSI
Brightness uniformity	80% at sides 75% at corners
Lens range	DC4K HC (1.13 - 1.72 :1) DC4K HC (1.35 - 1.86 :1) DC4K HC (1.46 - 2.10 :1) DC4K HC (1.65 - 2.60 :1) DC4K HC (2.00 - 3.35 :1) DC4K (1.13 - 1.66 :1) DC4K (1.35 - 1.86 :1) DC4K (1.46 - 2.10 :1) DC4K (1.65 - 2.60 :1) DC4K (1.95 - 3.26 :1) DC4K (2.53 - 4.98 :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 dowser	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	Passive Dolby system, to be built in (optional)

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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
DCI	DCI Compliant
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	200 - 240V, 30A, 50 - 60Hz
Power consumption	4.5 kW
Noise level (typical at 25°C/77°F)	dB(A) @ 1m: 68 dB(A) - Max 63 dB(A) - Normal
Operating temperature	10 to 35 °C Max. (sea Level)
Operational humidity	20 - 80% Max. (relative humidity)
BTU per hour	19,000 BTU/h
Airflow requirements	Air Inlet (from Rear w/Feet Down): Front Exhaust (from Rear w/Feet Down): Top (Back Through Accessories)
Exhaust airflow	350 CFM (10 m ³ /min)
Dimensions (WxLxH)	754 x 1,129 x 663 mm (including feet and exhaust exit / excludes lens) 29.7 x 44.4 x 26.1 in. (including feet and exhaust exit / excludes lens)
Weight	134 kg / 295 lbs (excludes lens)
Shipping Dimensions	970 x 1,370 x 950 mm (excludes lens - packaged separately) 38.1 x 53.9 x 40.9 in. (excludes lens - packaged separately)
Shipping weight	196 kg / 432 lbs (excludes lens - packaged separately)
Storage temperature	TBC
Storage humidity	TBC
Standard accessories	TBC
Certifications	TBC
Warranty	Limited 2 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

Last updated: 15 Mar 2021

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