

Prometheus I



R E S I D E N T I A L



Key features

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's Prometheus I residential projector.

Barco Residential projectors are designed and manufactured in-house with the greatest of care. Because our fervent desire is to serve you with the best image quality available anywhere, we keep it all in-house, with direct control over all development and manufacturing.

So why do we work so hard at this? Because we love movies as much as you do.

High-end simplicity

Prometheus I combines media server functionalities with cinema processing electronics: the Alchemy module combines the functionalities of an Integrated Cinema Processor (ICP) and media server into a single board and forms the core of the Barco Alchemy cinema at home projectors. Reducing the required hardware makes installation simpler and makes the system more reliable and easy to use.

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 highest level.

These products are professional products for the residential market, and must be installed by professional integrators certified by Barco.



Technical specifications

projector		4K cinema at home DLP® projector	
display	concept	3 x 1.38" DC4K dark metal devices 4,096 x 2,160 pixels	
	Housing	Hermetically sealed DMDs and optical assembly	
	compatibility	4K, 2K/1080i/p, 720p, 576i/p, 480ip, PAL SECAM, NTSC digital and analogue RGB	
optics and lamp	projection lenses	1.13 - 1.31, 1.31 - 1.86, 1.45 - 2.13, 1.63 - 2.53, 1.95 3.26 : 1	
	Brightness	up to 6000 lumens	
	lens offset	adjustable: vertical and horizontal, depending on lenses	
	contrast	>1,850 : 1 (native optical contrast)	
	lamp	4kW possible Compatible with models from all major brands	
Integrated Cinema Media Processor and connection	video	JPEG2000 2K & 4K DCI play-out High Frame Rates 3D up to 120fps (60fps per eye) JPEG 2000 bit-rates up to 625Mbps Dual-channel color-correction MPEG-2 (4:2:0 and 4:2:2 up to 60fps) H.264™ 2x DisplayPort 1.1a 1x multimedia HDMI 1.4a input (BluRay 3D / 4K) 16x AES/EBU audio channels (2x RJ45) 8x GPI, 6x GPO (4x RJ45) 2x ETH for content connectivity & ingest 2x front-accessible USB 3.0 for fast ingest 2x front-accessible USB 2.0	
	control	control	
	general	power requirements	200-240 V, 30 A, 50 & 60 Hz
	dimensions (d x w x h)	604(H) x 754(W) x 1129(D) mm (excluding lens) 23.78(H) x 29.69(W) x 44.45(D) inch NB: min. 5 cm of air inlet spacing required at the bottom of projector	
	weight	134 kg (295 lbs)	
	Ambient temperature	35°C / 95°F Max.	
	warranties	Barco CineMate App (iOS & Android) - free ACS-2048 3D add-ons Touch screen monitor, inc. Barco Commander & Communicator Pedestal CineCare Web	
	Integrated storage	1.9TB effective storage (RAID-5) 3x 1TB Hot-swappable 2.5" hard-drives	



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