

Medea

Media Room Series



4K UHD resolution, 6,500 lumens of laser illumination and custom Barco Pulse electronics, all painstakingly designed, optimised and manufactured in our facilities in Belgium & Norway to deliver unprecedented fun in small to medium sized media rooms. Just as the mythical Medea flew in a golden chariot driven by dragons (sent by her grandfather Helios, god of the sun) our Medea will bring life to fantasy.



Key features

Professional-grade optics

Medea's optical engine architecture is nothing but world-class. It is built from custom designed aspherical glass elements and enhanced low dispersion glass lenses. The resulting image quality is simply outstanding.

State-of-the-art electronics

All new "Pulse" electronics are built on a superior FPGA platform featuring a dual core processor on the industry's only 20nm SoC, with 96 transceiver lanes delivering 3.3 Tbps of serial bandwidth. It has been designed to process 4K with HDMI 2.0a and HDCP 2.2 and HDR10 with extremely low latency, thanks to our unique single step processing technology. Barco's RealColor processing enables simple and accurate calibration to any desired white point or greyscale.

Award Winning DLP technology

Medea utilizes the very latest 0.66-inch display diagonal micromirror device from TI, it displays 4K Ultra High Definition (UHD) 3840 x 2160 pixels on the screen, features a 5.4 micron micromirror pitch and a ±17° micromirror tilt (relative to flat surface).

Laser light source

Medea is packed with a brand new laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are not as fragile and offer near instant on/off.

Liquid cooling

Medea has departed from a pure fan based cooling system switching to a liquid cooling PID regulation system, allowing Medea to operate at any angle, increasing installation flexibility.

Technical specifications

Resolution	3,840 x 2,160 px @ 60Hz
Display technology	Single chip UHD 4K 0.66" DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	M-version: up to 6,500 lumens
Contrast	1300 :1 (350:1 ANSI)
Light engine	Laser phosphor
Laser life	Up to 40,000 hours
Lenses	GLD 0.80 - 1.00 : 1 GLD 1.00 - 1.35 : 1 GLD 1.35 - 2.00 : 1 GLD 2.00 - 3.00 : 1 0.38 : 1 (UST 90 degree lens) 0.86 : 1 (EN67) with adapter 1.06 - 1.60 : 1 (EN66) with adapter 1.19 - 1.72 : 1 (EN76) with adapter 1.58 - 2.25 : 1 (EN 63) with adapter 2.25 - 3.31 : 1 (EN61) with adapter 3.30 - 6.08 : 1 (EN 44) with adapter 8.58 - 12.00 : 1 (EN69) with adapter
Lens shift range	Varies depending on lens
Inputs	HDMI 2.0, HDBaseT (1.4), DVI, DisplayPort, SDI, DMX
Control	Remote, keypad, RS232, Network
Control drivers	Control4, Crestron, RTI and Savant
3D	3D Capable (framepacked)
Dimensions (HxWxL)	(d x w x h) 680 x 481 x 239 mm / 26.8 x 18.9 x 9.4 in. (including feet / excluding lens)
Shipping dimensions	920 x 700 x 700 mm / 36 x 27.5 x 27.5 in.
Weight	25.5kg / 56.22 lbs
Power requirements	100 - 240 V / 50-60 Hz
Power consumption	850 W Max
BTU per Hour	Max 2,900 BTU/h
Noise level (typical at 25°C/77°F)	35 dB(A) (max)
Operating temperature	10 - 45°C (sea level)
Operating humidity	20 - 80% RH
Installation	free rotation
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor, extendable up to 5 years