

Medea

Media Room Series



4K UHD resolution, 6,500 lumens of laser illumination and custom Barco Pulse electronics, all painstakingly optimised and produced at our facility in 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 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 20 nm 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 utilises the very latest 0.66-Inch Diagonal Micromirror Array 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 nearly instant on/off. Light output is up to 6,500 lumens.

Liquid cooling

Medea has departed from a pure fan based cooling system 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	0.66" DMD
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	M-version: up to 6500 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 0.57 : 1 (UST Lens) With an adapter 0.86 : 1 (EN47) with an adapter 1.06 - 1.60 : 1 (EN66) with an adapter 1.58 - 2.25:1 (EN 63) with an adapter 2.25 - 3.31 : 1 (EN61) with an adapter 3.3 - 6.08 : 1 (EN 44) with an adapter
Lens shift range	Varies depending on lens
Inputs	HDBaseT, HDMI 2.0, DVI, DisplayPort, SDI, DMX
Control	Remote, keypad, RS232, Network
3D	3D Capable (framepacked)
Dimensions (HxWxL)	227x 480 x 680 mm / 8,9 x 18,9 x 26,7 in
Shipping Dimensions	920x700x700mm / 36 2 x 27,6 x27,6 in
Weight	25,5kg / 56,22 lbs
Power requirements	100 - 240 V / 50-60 Hz
Power consumption	850 W Max
BTU per Hour	Max 2900 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