

# Medea

Just as the mythical Medea flew in a golden chariot driven by dragons, our Medea will bring fantasy to life.



- Media Room Series
- 4K UHD Resolution (3,840 x 2,160)
- Laser Phosphor
- Up to 6,500 ANSI lumens

Medea is our entry level 4K UHD projector, with up to 6,500 ANSI lumens, laser phosphor illumination and custom Barco Pulse electronics. Painstakingly designed, optimised and manufactured in our European design centers, Medea delivers unprecedented performance in small to medium sized media rooms and dedicated home cinemas.

#### Professional grade optics

Medea's optical engine architecture is world-class, built from custom designed aspherical glass elements and enhanced low dispersion glass lenses. The resulting image quality is simply outstanding.

#### State of the art "Pulse" electronics

Our "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.

Thanks to our unique single step processing technology (SSPTM), Pulse electronics are designed to process 4K UHD, HDMI 2.0a, HDCP 2.2 and HDR10 signals with extremely low latency. This provides exceptional gaming and movie viewing experiences.

#### RealColor

Barco's RealColor processing enables simple and accurate calibration to your desired color gamut and white point.

#### Award winning DLP technology

Medea utilises the very latest 0.66" DMD from Texas Instruments which features a 5.4 Micron Micromirror Pitch and a  $\pm 17^\circ$  Micromirror Tilt (Relative to Flat Surface). This technology allows us to display flawless 4K UHD (3,840 x 2,160 px) images.

#### Laser light source

Light on demand, allows you to adjust light output to match the time of day and/or content you're viewing. Medea's long laser lifetime means you can treat it like a TV, whilst still getting the big screen experience. 20,000 hours laser usage equates to 5 hours viewing every day for 11 years.

## Product specifications

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General specifications	
Projector type	Single chip DLP
Technology	0.66" DMD™
Resolution	3,840 x 2,160 (4K UHD)
Aspect ratio	1.78:1 (16:9)
Light source	Laser phosphor
Light source lifetime	40,000hrs in Long Life Mode 20,000hrs in Normal Mode 12,000hrs in Silent Mode 12,000hrs in High Brightness Mode
Light output	Up to 6,500 ANSI lumens
CLO (constant light output)	Yes
Contrast ratio	1,300:1 Sequential 350:1 ANSI
Brightness uniformity	>85%
Lens range	(R98017241) -GLD (0.80 - 1.00:1) (R98017221) -GLD (1.00 - 1.35:1) (R98017201) -GLD (1.35 - 2.00:1) * (R98017191) -GLD (1.35 - 2.00:1) -Manual Zoom & Focus ** (R98017211) -GLD (2.00 - 3.00:1)  NOTE: The below lens options require an EN Series lens adapter (R9801442) (R9801832) -FLDX UST (0.54:1) -90°ns (R9802244) -EN67 (0.86:1) (R9802243) -EN66 (1.06 - 1.60:1) (R9802003) -EN76 (1.26 - 1.72:1) (R9802242) -EN63 (1.58 - 2.25:1) (R9802241) -EN61 (2.25 - 3.31:1) (R9801211) -EN44 (3.30 - 6.08:1)  * Standard Lens Option(s) -USA ** Standard Lens Option(s) -Rest of World
Optical lens shift	GLD Series Lens Options Up to 60% vertical lens shift & up to 18% horizontal lens shift (depending on lens selection)  EN Series Lens Options Up to 67% vertical lens shift & up to 18% horizontal lens shift (depending on lens selection)  Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here
Optical dowser	Yes
Color correction	P7 RealColor™
Color gamut	REC.709
Image processing	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientation	360° Rotation
Network connection	10/100 Ethernet via RJ45 connection
Integrated web server	Yes
Diagnostics	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI 2.0 (HDCP 2.2) 1 x HDBaseT (HDCP 1.4 -9Gbps only) 2 x Dual Link DVI-D 2 x Display Port (1.2) 12G-SDI  1 x RJ45 Ethernet 1 x RS232 1 x Remote Control (RC) 3 x USB (2 x Rear, 1 x Front) DMX (1 x Input, 1 x Output)
Input resolutions	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
Latency	TBD
Control	IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant  NOTE: 12v Trigger(s) do not follow standard functionality and require an IP command to enable / disable them. Download our integration guide for more information.
Power requirements	100 -240V / 50 -60Hz US Requires: 20A Service (NEMA 5-20P Plug Type)
Power consumption	850 W maximum
BTU per hour	2,900 BTU/h maximum
Noise level (typical at 25°C/77°F)	35 dB(A)
Operating temperature	10 to 45 °C at Sea Level Optimal Set Point: 20 °C

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Operating humidity	20 to 80% (relative humidity)
Airflow requirements	Air Inlet (from Rear w/Feet Down): Left Side Exhaust (from Rear w/Feet Down): Right Side  Clearance Requirements: Front: 1cm Left: 50cm Right: 80cm Rear: 20cm Top: 1cm
Exhaust airflow	221 ft <sup>3</sup> /min @ 22.9 °C 375 m <sup>3</sup> /hour @ 22.9 °C <a href="#">Download Lens &amp; Airflow Data Here</a>
Dimensions (WxLxH)	Excluding Lens 481 x 680 x 239 mm 18.9 x 26.8 x 9.4 in.
Weight	Excluding Lens 25.5 kg / 56.2 lbs
Shipping dimensions (WxLxH)	Excluding Lens 920 x 700 x 700 mm 36 x 27 x 27 in.
Shipping weight	Excluding Lens 42 kg / 92 lbs
Accessories	Power Cord, Remote Control
Certifications	CE, FCC Class A and cCSAus
Safety requirements	This projector is Risk Group 2 (RG2) according to IEC EN 62471-5.  This projector may become Risk Group 3 (RG3) when an interchangeable lens with throw ratio greater than 3.5 is installed. Refer to the installation manual for further information.
Warranty	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

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