

OverView MVL-815

Industry-standard 80" SXGA+ 4:3 LED video wall



The OverView MVL-815 is an easy to operate 4:3 LED-lit projection module that has been designed to offer the typical detail and brightness needs in SXGA+ resolution for demanding small to medium-sized control rooms.

Unmatched LED lifetime

Barco's unique liquid cooling system significantly reduces the temperature of the LEDs. This not only prolongs the lifetime of the LEDs (>80,000 hrs), but also allows for durably higher brightness levels. The long LED lifetime guarantees a great uptime and very low overhead costs. The use of LEDs as a light source, also results in low power consumption.

Comfortable viewing experience

To ensure good wall uniformity in terms of color and brightness levels, the OverView MVL-815 comes with Barco's Sense⁵ automatic calibration system. This system works with an advanced color sensor that continuously measures the primary color levels of the entire wall, and adjusts white point and color when needed. This results in a significantly more accurate cube to cube uniformity, over the complete runtime. Furthermore, the module's robust structure makes the OverView MVL-815 suitable for use in industrial environments.

BARCO

Visibly yours

Product specifications**OverView MVL-815**

Resolution	1400x1050
Brightness	on-screen: 220 Cd/m ² (WV FEL) 190 Cd/m ² (FXS)
On-screen contrast	1,200,000:1 (dynamic)
Display technology	DLP rear projection
Color gamut	EBU
Brightness uniformity	>95%
White point	6500k
Screen	IS, with 180° viewing angle
Screen gap	< 2 mm 0.08" (@25°C) < 0.6 mm 0.024" (@35°C)
Color stability	Self calibration with Sense ⁵ based on advanced color sensor
Dimensions	<ul style="list-style-type: none">■ Diagonal: 80"■ Width: 1600 mm 63"■ Height: 1200 mm 47.2"■ Depth: 1023 mm 40.3"
Weight	115 kg 253.5 lbs (projection module) 32 kg 70.5 lbs (pedestal)
Light source	Light source 6x redundancy for each of 3 LEDs
Light source lifetime	> 60,000h (typ.) > 80,000h (eco) MTBF LED: > 500,000h
Recommended maintenance interval	3 years, yearly color correction recommended
Conditions for operation	10°C-40°C, 80% humidity (nc)
Input voltage	90 – 240 V, 50-60Hz
Power	150W (eco) 200W (typ.) 270W (max)
Heat dissipation	510 BTU/h (eco) 680 BTU/h (typ.) 920 BTU/h (max)
Signal input/output	Dual link DVI in / Dual link DVI out
Pixel clock	320 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Signal connection	Loop through
Signal processing	Cropping / upscaling
Direct ethernet access	Built-in web server
Graphical user interface	All settings and operational parameters
Integration to third party equipment	WEB service API (optional)
Third party interface	WEB service API (optional)
Warranty	2 years