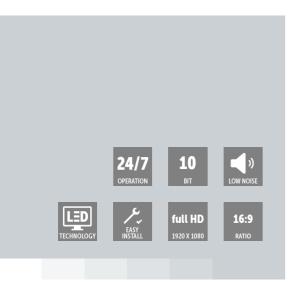
OverView MVL-721

Industry-standard 70" full HD 16:9 LED video wall





- 6x redundancy of LEDs (per color)
- Sense5 automatic white point and primary colors calibration, for brightness and color stability
- Unique cooling system ensures longer LED lifetime
- Low power design
- Wide color gamut
- Less disposables, less waste
- 16:9 aspect ratio

With the OverView MVL series, Barco has launched a display range that has a well balanced set of essential features, perfectly fitting the standard requirements. All this comes without any compromise in quality, and with a special focus on limiting both the initial purchase as the runtime cost.

The OverView MVL-721 is an easy to operate 16:9 LED-lit projection module that has been designed to offer the typical detail, brightness, and features in full HD resolution for control rooms where space is not a constraint.

Unmatched LED lifetime

Barco's unique 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 latest LED technology ensures that the power consumption is 30% lower than comparable products.

Comfortable viewing experience

To ensure good wall uniformity in terms of color and brightness levels, the OverView MVL-721 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-721 suitable for use in industrial environments.



Brightness on screen: 550 Cd/m² On-screen contrast 1,200,000 1 (dynamic) Display technology DIP rear projection Color gamut EBU White point 6500k, 3200k fix Brightness uniformity 95% Screen Mid Cain Type: 180° viewing angle Screen Mid Cain Type: 180° viewing angle Screen Screen Mid Cain Type: 180° viewing angle Color stability Self colibration with bense® based on advanced color sensor Dimensions Pinensions Uight source Uight source (Uight source 6x redundancy for each of 3 LEDs Uight source iffetime Uight source iffetime Parts LED - 300,000h * (The LED light source lifetime depends on the operating conditions of the device) Conditions for operation 10°C-40°C, 80% humidity (nc) Input voltage 90 - 240 V. 50-601z Power Signal input/output Dual tink DVI in 7 Dual tink DVI out (Optional input redundancy) Pixel clock 330 MHz Loop through up to 10 cubes Cropping / Lope cains Cropping / Lope	PRODUCT SPECIFICATIONS	OVERVIEW MVL-721
Display technology DIP rear projection Color gamut BBU White point 6500K, 3200k fix BBI Sereen Mid Gain Type. 180° viewing angle <1.5 mm 0.06° (825°C) <0.2 mm 0.000° (825°C) <0.3 mm 0.000° (825°C) <0.4 mm 0	Resolution	1920x1080
Display technology Color gamut EBU White point 6500k, 3200k fix Brightness uniformity >95% Screen Mid Gain Type, 180° viewing angle \$Creen Mid Gain Type, 180° viewing angle \$Creen Mid Gain Type, 180° viewing angle \$Creen A	Brightness	on-screen: 350 Cd/m²
White point 6500x, 3200x fix Brightness uniformity >95% Screen Mid Gain Type, 180° (1825°C) < 1.5 mm I 0.00° (1825°C) < 2.0 mm I 0.00° (1825°C) < 2.0 mm I 0.00° (1825°C) < 2.0 mm I 0.00° (1825°C) < 3.0 mm I 0.00° (1825°C) < 4.0 mm I 0.00° (1825°C) < 5.0 mm I 61.0°	On-screen contrast	1,200,000:1 (dynamic)
White point 6500k. 3200k fix Brightness uniformity >95% Screen Mid Gain Type. 180* viewing angle < 1.5 mm 0.06° (a25°C) < 0.2 mm 0.0079° (at higher temperatures) Cotor stability Self calibration with Sense ⁵ based on advanced color sensor Dimensions Diagonal 70° Width 1350 mm 61.0° Weight: 1010 mm 39.8° Depth 1010 mm 39.8° Weight: 1014 kg 228 lbs Light source Light source 6x redundancy for each of 3 LEDs Light source fifetime > 80,0000* MTBF LED > 500,000h MTBF LED > 500,000h	Display technology	DLP rear projection
Screen Mid Gain Type, 180° viewing angle Screen Mid Gain Type, 180° viewing angle \$1.5 mm 0.06° (e25°C) < 0.2 mm 0.0079° (at higher temperatures) Color stability Self calibration with Sense5 based on advanced color sensor Dimensions Diagonal, 70° Width 1550 mm 61.0° Height 872 mm 64.3° Depth 1010 mm 39.9° Weight: 10.4 kg 228 lbs Light source Light source 6x redundancy for each of 3 LEDs Light source Iffetime \$60,000+* MTBF LED > 500,000+ MTBF	Color gamut	EBU
Screen Mild Gain Type, 180° viewing angle Screen gap < 1.5 mm 0.06° (@25°C) < 0.2 mm 0.0079° (sh higher temperatures) Color stability Self colibration with Sense ⁵ based on advanced color sensor • Dimensions • Dimensions • Width 1.550 mm 61.0° • Weight: 195 mm 61.0° • Height: 872 mm 34.3° • Depth: 1010 mm 13.9° • Weight: 194 kg 228 lbs Light source Light source fettime × 80,000h* * The LED light source lifetime depends on the operating conditions of the device) Conditions for operation 10°C-40°C, 80% humidity (nc) Input voltage 90 - 240 V. 50-60Hz Power 90Wer 90We (row) 150W (typ.) 180W (max) Heat dissipation 310 8TU/h (kpc.) 510 8TU/h (kyp.) 610 BTU/h (max) Signal input/output Dual link DVI in / Dual link DVI out (Optional input redundancy) Pixel clock 320 MHz Genlock 49 - 61 Hz Loop through up to 10 cubes Cropping/ upscaling Direct ethernet access Built-in web server Graphical user interface All settings and operational parameters Tird party interface WEB service API (optional)	White point	6500k, 3200k fix
Screen gap \$1.5 mm 0.06' (@25'C)	Brightness uniformity	>95%
Color stability Self calibration with Sense ⁵ based on advanced color sensor Dimensions Dimensions	Screen	Mid Gain Type, 180° viewing angle
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Width 1550 mm 61.0" - Height: 872 mm 34.3" - Depth 1010 mm 39.8" - Weight: 104 kg 228 lbs	Color stability	Self calibration with Sense ⁵ based on advanced color sensor
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(Optional input redundancy) Pixel clock 320 MHz Input frequency 24 – 62 Hz Genlock 49 – 61 Hz Signal processing Loop through up to 10 cubes Cropping / upscaling Direct ethernet access Built-in web server Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Heat dissipation	510 BTU/h (typ.)
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Genlock 49 – 61 Hz Signal processing Loop through up to 10 cubes Cropping / upscaling Direct ethernet access Built-in web server Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Pixel clock	320 MHz
Loop through up to 10 cubes Cropping / upscaling Direct ethernet access Built-in web server Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Input frequency	24 – 62 Hz
Cropping / upscaling Direct ethernet access Built-in web server Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Genlock	49 – 61 Hz
Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Signal processing	
Third party interface WEB service API (optional)	Direct ethernet access	Built-in web server
	Graphical user interface	All settings and operational parameters
Warranty 2 years	Third party interface	WEB service API (optional)
	Warranty	2 years

Last updated: 10 May 2019

 $Technical\ specifications\ are\ subject\ to\ change\ without\ prior\ notice.\ Please\ check\ www.barco.com\ for\ the\ latest\ information.$

