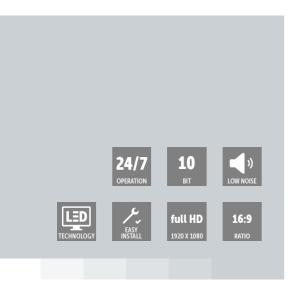
OverView MVL-721

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.



Resolution 1926x1080 Brightness on-screen 530 Cafm² On-screen contract 1200.0001 (dynamic) Displays technology DLP rear projection Color gamut 88U White point 6500k, 3200k fix Brightness uniformity >950K Screen Mid Gain Type, 180* wiwing angle Screen Mid Gain Type, 180* wiwing angle Screen gap *1.5 mm D.06* (825°C) *0.2 mm D.0079* (at higher temperatures) Color stability Set calibration with Sense® based on advanced color sensor Dimensions *1.0 lagonal 70° *Widen 1550 mm 6.0° *Widen 1550 mm 6.0° *Widen 1550 mm 6.0° *Widen 1550 mm 6.0° *Widen 1560 mm 6.0° *Widen 1560 mm 6.0° *Bight source lifetime *100 mm 5.0° *Bight source lifet	PRODUCT SPECIFICATIONS	OVERVIEW MVL-721
On-screen contrast 1,200,0001 (dynamic) Display technology DLP rear projection Color gamut EBU White point 65008, 32006 fix Bighanes uniformity >95% Screen Mid Gain Type, 180° viewing angle Screen gap <15 mm 1 0.00° (e25°C) Color stability Self calibration with Sense ⁵ based on advanced color sensor Dimensions	Resolution	1920x1080
Display technology	Brightness	on-screen: 350 Cd/m²
Color gamut EBU White point 6500k, 3200k fix Brightness uniformity 995% Screen Mid Gain Type, 180° viewing angle Screen gap <1,5 mm 0.06° (q.25°C) < 0.2 mm 0.000° (git higher temperatures) Color stability Self calibration with Sense5 based on advanced color sensor Dimensions • Disponat, 70° • Width, 1550 mm 61.0° • Height, 67°z mm 34.0° • Height, 50°z mm 34.0° • Hei	On-screen contrast	1,200,000:1 (dynamic)
White point 6500K, 3200k fix Brightness uniformity >95% Screen Mid Gain Type, 180° viewing angle Screen gap <1.5 mm 0.06° (eg.5°C)	Display technology	DLP rear projection
Brightness uniformity >95% Screen Mid Gain Type, 180° viewing angle Screen gap < 1,5 mm 0.06° (e25°C) Color stability Self calibration with Sense 5 based on advanced color sensor Dimensions • Diagonat 70° • Width, 1550 mm 61.0° • Height 787 mm 34.3° • Depith 1001 mm 39.8° • Weight 1004 kg 228 lbs Light source Light source 6x redundancy for each of 3 LEDs Light source lifetime > 80,0000h° MTBF LED • 500,000h ° (The LED light source silfetime depends on the operating conditions of the device) Conditions for operation 10°C-40°C, 80% minuted fly (nc) Input voltage 90 – 240 V, 50-60 Hz Power 300 MIV (sp.) List dissipation 310 BTU/h (sco) Signal input/output 310 BTU/h (sco) Signal input/output Dual link DVI in / Dual link DVI out (Optional input redundancy) Pixel clock 320 MHz Input frequency 24 – 62 Hz Genlock 49 – 61 Hz Signal processing Built-in web server Graphical user interface All settings and operational parameters Third party interface WEB service API (optional)	Color gamut	EBU
Screen Mid Gain Type, 180° viewing angle Screen gap	White point	6500k, 3200k fix
Screen gap Seferal man 0.006' (e.25*C) Seferal man 0.006' (e.25*C) Seferal man 0.007' (at higher temperatures)	Brightness uniformity	>95%
Color stability Self calibration with Sense 5 based on advanced color sensor Dimensions L Diagonal: 70" Width 1550 rm 61.0" Height 87z mm 34.3" Depth: 1010 rm 39.8" Peth: 1010 rm 39.8" Weight: 104 kg 228 lbs Light source Light source 6x redundancy for each of 3 LEDs Light source lifetime > 80,0001" MTBF LED > 500,000h "TBE LED Self 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 300 W (eco) 150 W (vp) 180W (vp.) 180W (vp.) 180W (vm.x) Heat dissipation 310 BTU/h (eco) 510 BTU/h (eco) 510 BTU/h (yp.) 1610 BTU/h (max) Signal input/output Dual link DVI in 7 Dual link DVI out (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)	Screen	Mid Gain Type, 180° viewing angle
Dimensions Diagonal: 70° Width: 155.0 mm 61.0° Height 872 mm 34.3° Depth: 1010 mm 39.8° Weight: 104 kg 228 lbs Light source Light source fifetime Light source lifetime 280,000h* MTBF LED: > 500,000h ** (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 90W (eco) 150W (typ) 180W (max) Heat dissipation 310 BTU/h (typ) 510 BTU/h (typ) 510 BTU/h (typ) 610 BTU/h (max) Pixel clock 320 MHz 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)	Screen gap	
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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
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)	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

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

