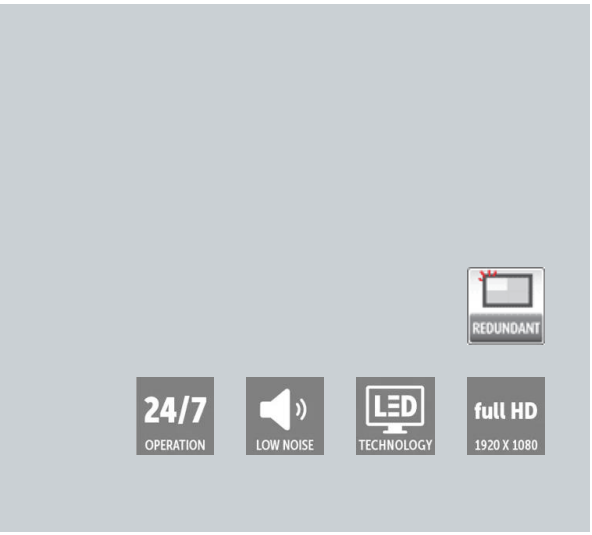
OverView MVL-721

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





- **High brightness**
- **Redundancy of critical components**
- **Low power consumption**
- **Remote management**
- **High reliability**
- **Sustainable product**

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.

This follow-up of the successful OverView MVL-721 Gen1 offers 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 sustainability – in terms of limited power consumption, long lifetime and ability to upcycle.

Unmatched LED lifetime and brightness

The next-generation LED light source drastically improves the brightness of the MVL-721. With a 55% increase in maximum engine light output compared with the first generation, the MVL-721 can be deployed in virtually all indoor lighting conditions. This impressive increase in brightness is realized with the exact same power needs.

MVL-721 also brings an important step-up in reliability, featuring redundant inputs to ensure a continuous data flow, an optional external power supply with automatic failover, and a light source lifetime of over 100,000 hours.

Easy installation and remote management

Barco's Video wall Manager software makes it a lot easier to install, configure and control the video wall. The cloud-based Video wall Management Suite, on its part, allows remote monitoring, diagnostics and control for Barco video walls. Allowing this kind of remote management from a central location, lowers operational costs and ensures faster and more effective troubleshooting.

Product specifications — OVERVIEW MVL-721

General Specifications

Dimensions	■ Diagonal: 70" ■ Width: 1550 mm | 61.0" ■ Height: 872 mm | 34.3" ■ Depth: 1010 mm | 39.8" ■ Weight: 104 kg | 228 lbs
Resolution	Full HD (1920x1080)
On-screen contrast	1,200,000:1 (dynamic)
Screen	Mid Gain Type, 180° viewing angle
Input voltage	90 – 240 VAC, 50-60Hz
Signal input/output	2x DP1.2 inputs & 1x output (4K@60Hz) 2x HDMI 2.0 inputs (4K@60Hz) 2x USB ports (only for power) 2x Ethernet ports
External power supply	Optional: remote and redundant hot swappable power supply
Third party interface	WEB service API
Display technology	Rear-projection DLP (rear access only)
Screen gap	Adjustable up to 0.2 mm depending upon video wall configuration and operating temperature
White point	Customized white points
Brightness	Under native color gamut

Mode / Screen type	WV-FEL	FXS
High brightness	540 cd/m^2	460 cd/m^2
Normal	360 cd/m^2	305 cd/m^2
Eco	180 cd/m^2	155 cd/m^2

Brightness uniformity	>95%
Color stability	Sense X: automatic real-time color and brightness calibration
Light source	6x redundancy for each of 3 LEDs
Light source lifetime	> 100,000h in Eco/Normal mode
Noise Level	Less than 20 dB (measured from 5m in front)
Power	70W (eco) 100W (typ.) 150W (max)
Conditions for operation	10°C – 40°C | 50°F – 104°F Up to 80% humidity (non-condensing)
Heat dissipation	240 BTU/h (eco) 340 BTU/h (typ.) 510 BTU/h (max)
Signal processing	Loop through Cropping, scaling with wall configuration
Color gamut	REC709
Direct ethernet access	Built-in web server
HDCP	v2.2
Graphical user interface	All settings and operational parameters
Warranty	2 years

Last updated: 19 Jun 2026

© 2026 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.