OverView series
Liquid-cooled LED video walls

BARCO

Visibly yours

True colors, for life

Barco has been at the forefront of LED innovations since the nineties. Based on this long heritage of expertise, our OverView LED-lit video walls family has the innovations on board to offer the most optimal visualization for control rooms. Not only in terms of image quality, but also in viewing comfort, ease of maintenance, and operator-friendliness.

OverView family benefits:

• **Warmest LED colors**

• **Automatic calibration**

• **Multiple redundancy levels**

• **3rd generation LEDs for unmatched brightness**

• **Liquid cooling**

• **Available in 4:3 and 16:9 versions**

Optimized for: traffic management, security & CCTV, utilities & process control, telecom, and signage

10 reasons to go Barco

One

2. The warmest colors, at any time

Barco's Sense technology continuously measures the brightness and color statistics, and adjusts in real-time where needed, providing great stability over time. Not only of the individual cubes, but across the entire wall.

3. Widest portfolio, to match any control room

Barco's OverView family of LED rear-projection video walls consists of two clear segments: the OverView M and the OverView O series. The M series aims at standard, demanding control rooms. The O series on the other hand, is the ultimate full-feature video wall, with complete redundancy of all critical components, ensuring that there is not a single point of failure.

1. Liquid cooling for longer LED lifetime

Cooling the LED engine more effectively significantly enlarges the lifetime of the LEDs. The result is that maintenance needs are very limited.

good reason would be enough to choose a Barco. We give you 10.

4. Going green, to the full

With no mercury in the engine, the LED video walls are environment-friendly. What's more, Barco also chooses recyclable materials where possible, lowering the video wall's ecological footprint.

5. Less noise, less stress

Noise levels are an important factor for a stressless and operator-friendly environment. With Barco's liquid cooling system, video walls are a lot less noisy than with traditional fan cooling.

6. Remote device and health management

Barco's Wall Control Manager software allows you to systematically manage and configure the uniformity and health status of your video wall fleet in an easy way. No more surprises, and no unplanned or distracting maintenance interventions are the result.

7. Built-in redundancy, higher reliability

The illumination unit of each OverView projection module consists of six independent LEDs per color. If one of them fails for any reason, the other five will continue to work. As a result, your vital image and color information is never lost.

8. 3rd generation LEDs for ultimate brightness

The new generation of LEDs are 33% brighter than their predecessors. As the first manufacturer to use these LEDs, Barco not only lifts the brightness levels of its video walls. When operating at the same brightness levels as before, the walls also consume 33% less energy.

9. Low latency, fast operation

Barco's OverView series has been designed for the lowest possible impact on system latency. The delay between receiving the content and displaying it can be reduced to less than 20 ms (1 frame).

10. The aspect ratio of your choice

Barco's OverView M and O series LED-lit video walls come in different aspect ratios. 16:9 is a safe and futureproof choice for what is becoming the standard aspect ratio of today's video wall content. The 4:3 walls on the other hand offer a valid alternative for new installations in 4:3 environments, or for upgrades of legacy video wall systems.

One family, two ranges

Barco's OverView LED video wall family consists of the industry-standard OverView M series and the full-featured, fully redundant OverView O series. Both with their unique focus points, but sharing the Barco quality label.

OverView O series

The OverView O series is the ultimate full-feature video wall, with all of Barco's visualization innovations on board. It is the series of choice for large and prestigious control rooms. The OverView O series offers complete redundancy of all critical components, ensuring a guaranteed uptime at all times.

- 6x redundancy of LEDs (per color) & LED power supplies, 2x dual-link DVI inputs
- Sense[6] automatic full spectrum calibration
- Liquid cooling
- Widest color gamut
- Available in 16:9 and 4:3 aspect ratios
- Excellent off-axis viewing with next-generation screen types
- Stitched canvas possible, for truly seamless operation
- Highest brightness on the market
- Optional front access, removes need for rear maintenance area
- Optional 3D stereo support, using active shutter glasses
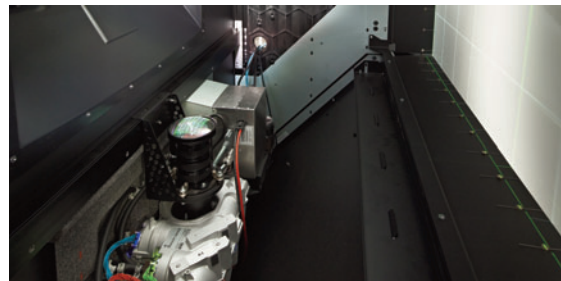
OverView M series

The OverView M series aims at standard, demanding small to medium-sized control rooms, that need good image quality, high color reliability, and enhanced brightness.

- 6x redundancy of LEDs (per color), 1x dual-link DVI input
- Sense[5] automatic white point and primary colors calibration
- Liquid cooling
- Wide color gamut
- 4:3 aspect ratios; 16:9 versions will become available

OverView O series: full-featured and redundant video walls

The OverView O series currently consists of the 16:9 OverView OL and the 4:3 OverView OVL ranges. The widescreen OverView OL range is the most shallow rear-projection video wall on the market, perfect for use in confined spaces. What's more, this range is also available with a front access option, and with 3D stereo support. The OverView OVL range is the brightest video wall, and the first to cross the 1,000 lumens barrier. This range's engine can also be used to easily upgrade lamp-based systems to LED.

Ultimate redundancy

With complete redundancy of all critical components, not only of the separate LEDs but also of the LED's power supplies and the inputs, the OverView O series makes sure there is not a single point of failure in the video wall. A guaranteed uptime is the result.

Sense⁶ for highest wall stability

The Sense⁶ sensor technology constantly measures the full color spectrum to be able to correct even the smallest detail in color or brightness deviation. In this way, the overall wall uniformity is the best possible, at all times. What's more, the OverView O series' engine is mounted on a fully motorized calibration unit, so all adjustments can be done using a remote control.

Sense⁶

- Intracube uniformity
- Primary color adjust
- Brightness feedback
- Gray locking
- Spectrometer
- 3x10 bit LED color mixing

The right solution for any video wall

Barco's OverView O series consists in about any aspect ratio, size, and resolution customers might need. The 4:3 OverView OVL series comes in XGA and SXGA+ resolutions with screen diameters of 50", 70", and 80".
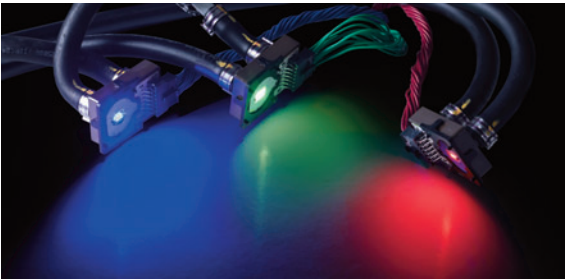
With the 16:9 OverView OL range, you can choose between WXGA and full HD resolutions, and screen diameters of 50" and 70". This complete series is also available with front access option. What's more, a special range of 3D stereo full HD OverView OLS video walls is available, with or without front access.

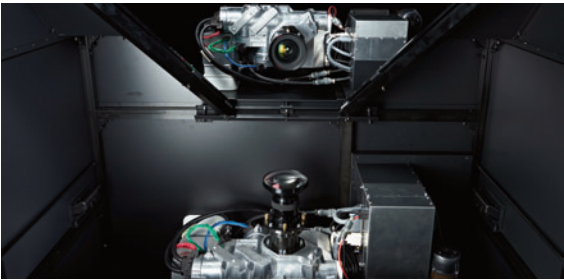# OverView M series: the industry-standard for demanding control

The OverView M series of LED-lit rear-projection modules has the needed innovations on board to guarantee good image quality, overall color and brightness consistency, and high reliability.
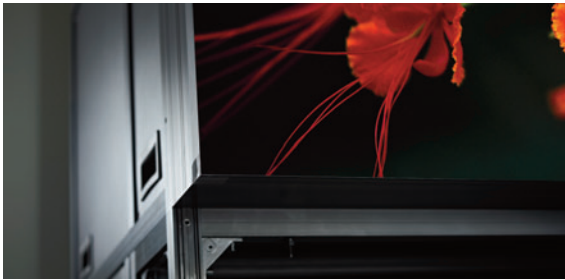
rooms

All the advantages of LED lighting

Long lifetime, low power consumption, and a great uptime. These are the advantages of LED lighting, which we all find back in the OverView M series. Additionally, Barco's liquid cooling technology makes sure the engine's temperature is better kept under control, which significantly expands (or even doubles) the lifetime of the LEDs.

Sense5 technology

Barco's unique Sense5 automatic white point and primary colors calibration system ensures industry-standard uniformity in terms of color and brightness levels. This system works with an advanced color sensor that continuously measures the entire wall's primary color levels, and adjusts when needed.

Wider portfolio, more opportunities

By introducing the OverView M series, Barco gives control room designers and partners a new competitive edge when proposing the most suited video wall to the customers. This allows a larger market to benefit from the well-known Barco quality.

Currently available are the 4:3 versions in SXGA+ resolution, with a screen diagonal of 60", 67", and 80". 16:9 versions in full HD and with 60" and 70" screen diagonals will become available.

About Barco

Barco designs, manufactures and markets innovative hard- and software visualization solutions for a variety of applications, such as traffic management, surveillance, command and control, broadcasting and telecom networks and utilities and process control.

With Barco's visualization solutions control center operators are offered a real-time collaborative work experience for monitoring, response dispatching and coordination, access and flow control, recording and overall systems control for 24/7 operations. Barco's solutions allow for efficient collaboration, monitoring and on-screen interaction with data sources and sensors. They highlight potential congestion points and help coordinate emergency responses more efficiently.

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