

# OverView series

Rear-projection LED video walls



# 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. 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 multiple formats





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



# 10 reasons to go Barco

# One good reason



## **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.

## **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 application

Barco's OverView family of LED rear-projection video walls consists of three clear segments: the OverView M, the OverView O, and the OverView OSV series. The M series aims at standard, demanding control rooms, while the O series offers complete redundancy to ensure that there is not a single point of failure. Finally, the OSV series gives you the ultimate freedom to display data without any seam or bezel.

# 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

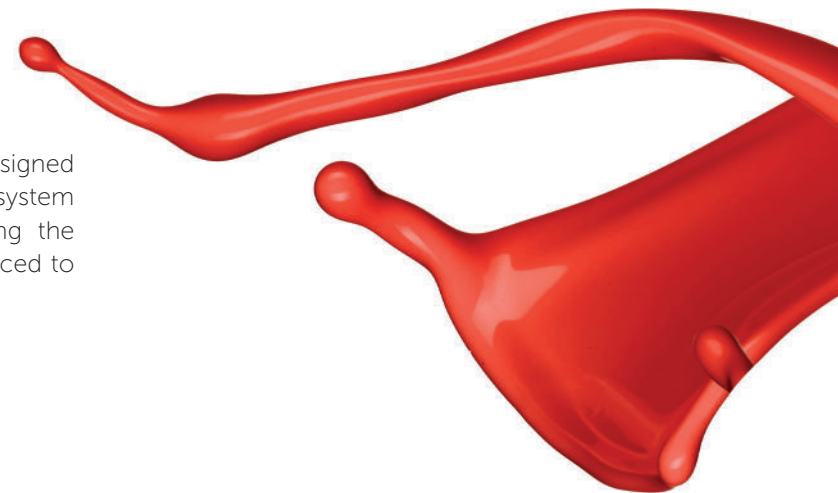
The new generation of LEDs are 33% brighter than their predecessors. This not only lifts the video walls' readability: when operating at the same brightness levels as before, the walls also consume 33% less energy.

## 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. Finally, the three flavors of the seamless OSV series delivers wide panoramic canvases of 3.8, 6.2 or 8.5 megapixels.



# Rear-projection video wall cubes

Barco's OverView LED-lit rear-projection video wall cube 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<sup>6</sup> automatic full spectrum calibration
- Active 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 seamless operation
- 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<sup>5</sup> automatic white point and primary colors calibration
- High-efficient
- Wide color gamut
- Available in 16:9 and 4:3 aspect ratios

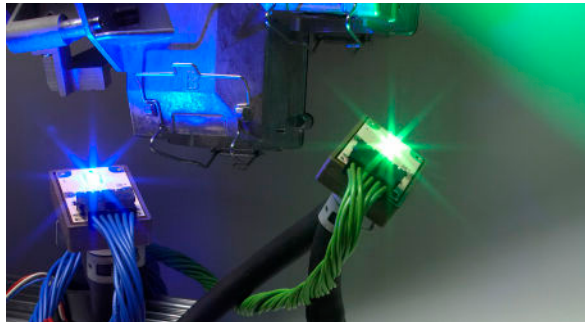
## OverView O series:

full-featured and redundant video walls



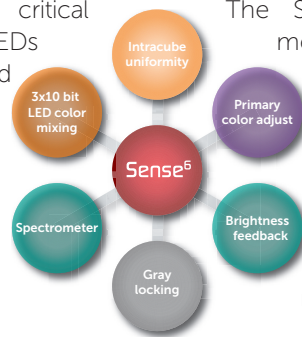
The OverView O series currently consists of the 16:9 OverView OL and the 4:3 OverView OVL ranges. The widescreen OverView OL range is the most shallow rear-projection video wall on the market, perfect for use in confined spaces. What's more, this range is also available with a front access option, and 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.



### Sense<sup>6</sup> for highest wall stability

The Sense<sup>6</sup> 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.

### 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".

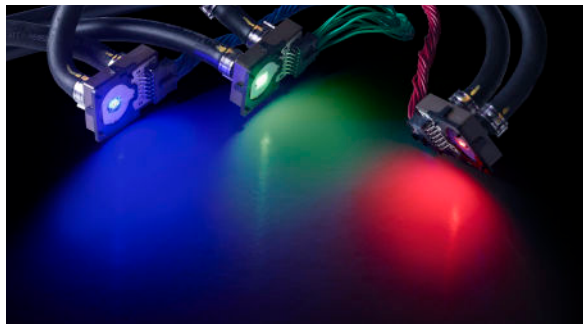
With the 16:9 OverView OL range, you can choose between WXGA and full HD resolutions, and screen diameters of 50" and 70". This complete series is also available with front access option. What's more, a special range of 3D stereo full HD OverView OLS video walls is available, with or without front access.

## **OverView M series:**

the industry-standard for demanding control rooms

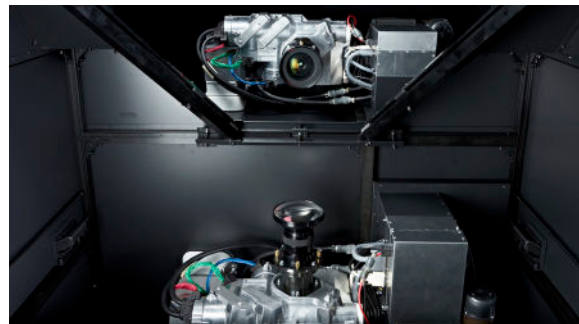


The OverView M series of LED-lit rear-projection modules has the needed innovations on board to guarantee good image quality, overall color and brightness consistency, and high reliability.



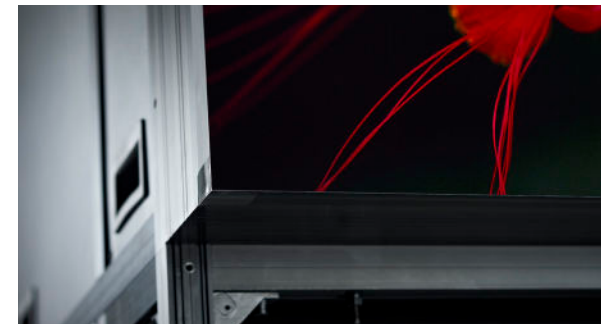
### All the advantages of LED lighting

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 high-efficient cooling technology makes sure the engine's temperature is better kept under control, which significantly expands the lifetime of the LEDs.



### Sense<sup>5</sup> technology

Barco's unique Sense<sup>5</sup> 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.



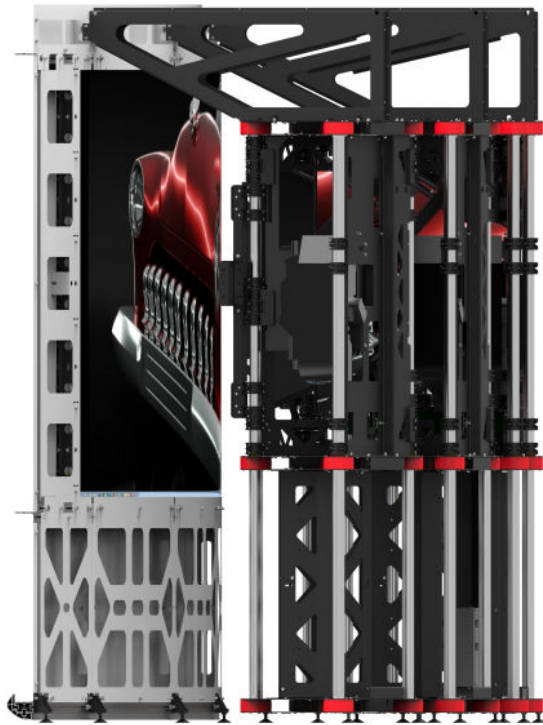
### Wider portfolio, more opportunities

With the OverView M series, Barco gives 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.

The MVL rear-projection cubes are available in a range of formats. With a 4:3 aspect ratio and SXGA+ resolution, you can choose a screen diagonal of 60", 67", or 80". 16:9 versions in full HD are on the market with 60" and 70" screen diagonals

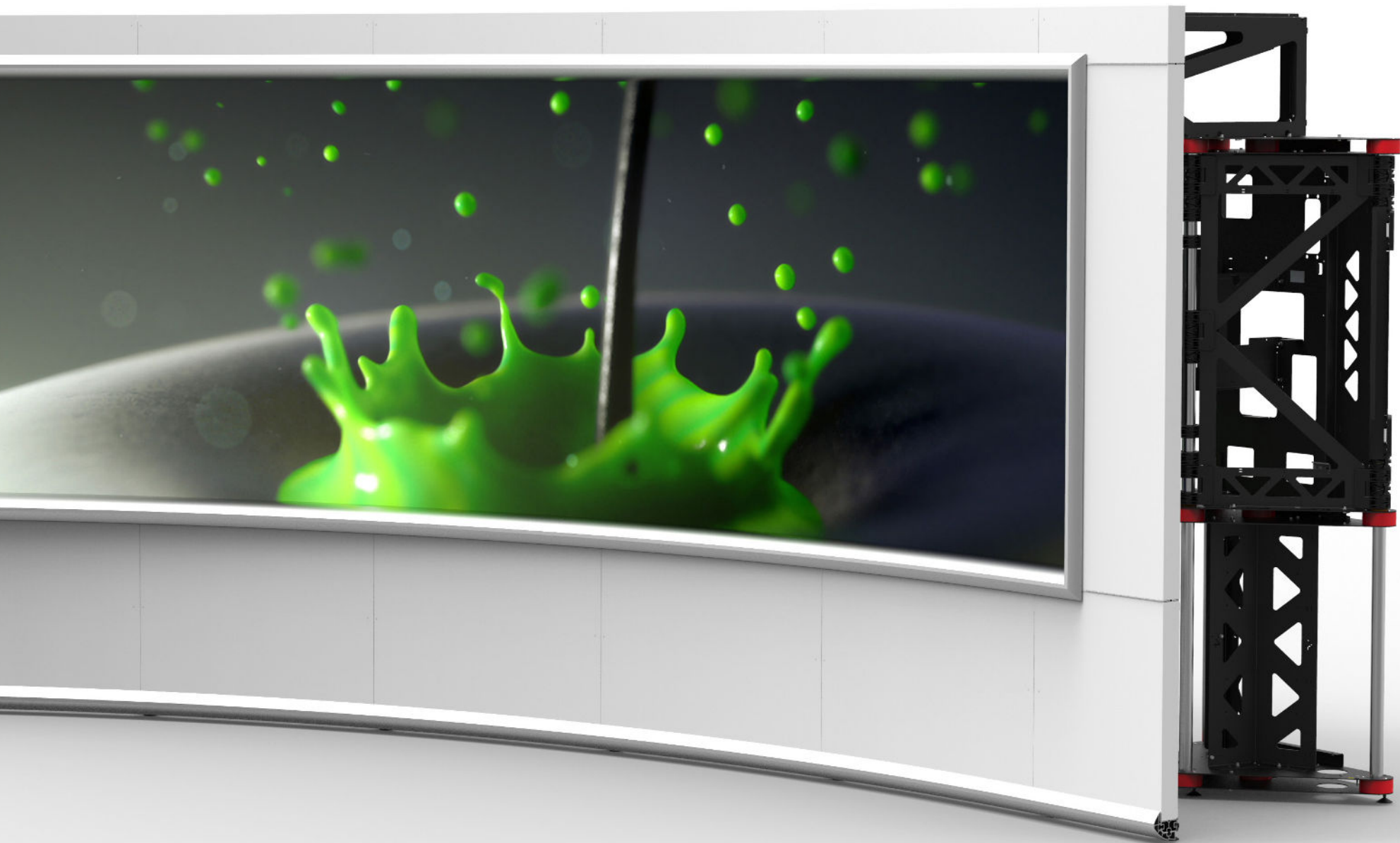
# One large canvas, without interruption

Especially when displaying critical data (such as financial tables, engineering data, etc.), the interruption of a seam or a bezel can be a nuisance. That is why Barco introduces a series of large seamless collaboration walls, letting users evaluate huge amounts of information in the most optimal way. The large, curved or flat panoramic canvas immerses users into the images, enabling better evaluation of big data and improving decision-making.



- 6x redundancy of LEDs (per color), 1x dual-link DVI input
- Sense6 automatic full spectrum calibration
- Active liquid cooling
- Widest color gamut
- Available in 3 formats : 3.8, 6.2 and 8.5 megapixels
- Truly seamless canvas with full freedom of data arrangements
- Available with curved screen for better immersion, or flat screen for minimal use of real estate space



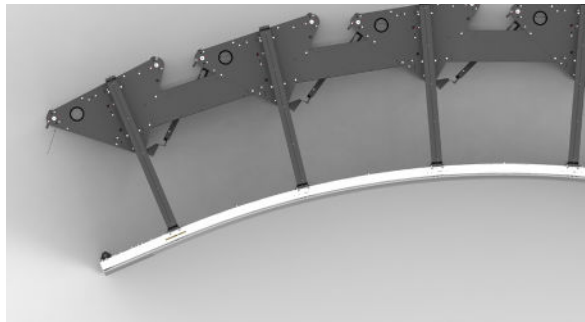


# OverView OSV series:

seamless collaboration video walls



The OverView Seamless Videowall (OSV) series is a range of truly seamless LED-lit rear-projection displays based on the proven OVL-series projection engine. With this series of video walls you can visualize a mix of data and video in high quality without the distraction of seams or bezels. The OSV range suits the visualization needs of a multitude of applications - from crisis operations rooms, to brainstorming and planning rooms, to more traditional control room applications in utilities, energy and process control.



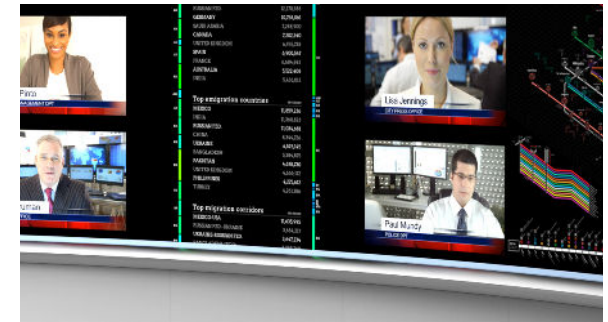
### Seamless and immersive display canvas

All OSV models are available with a curved screen that generates a natural immersive feeling and provides better viewing ergonomics from every position in the room, which improves awareness for collaboration. Delivering the widest viewing angles with high contrast and low reflections, the tailor-made Barco proprietary semi-rigid screen technology is perfect for today's demanding collaboration scenarios.



### Maximum use of real estate space

The OSV series is also available with a flat screen. This has the advantage that the system can be positioned directly against a straight wall, taking only a limited depth of less than 1.2 meters/47 inches. In this way, the available real estate space is used to its maximum.



### Freely and intuitively place your data

As part of a full solution, the OverView Seamless Videowall (OSV) solutions can be combined with TransForm C, Barco's impressive new networked video wall controller approach. The sophisticated intelligence of the system, combining auto-generated and content type dependent layout regions, always provides the ideal collaboration composition on the canvas. Direct integration of a Barco ClickShare wireless presentation system allows users to display content from their laptop, smartphone or tablet in its full native resolution on the video wall by simply clicking a button.



# 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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Barco is an ISO 9001 registered company. The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this brochure can be found on [www.barco.com](http://www.barco.com).

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