

OverView OLF-521

Fully redundant 50" full HD 16:9 LED video wall with front access



Barco's OverView OLF series LED-lit video walls are the first choice for 16:9 mission-critical control rooms that require a guaranteed uptime, and are limited in space. The modules' high level of redundancy, not only of the individual LEDs, but also of the LEDs' power supplies and even inputs, ensures nothing can go wrong, giving users the peace of mind they need. Front access eliminates the need for a rear maintenance area, for control rooms where space is a critical issue. Featuring a structure that can be tailored to the requirements of the customer, the OverView OLF series knows virtually no limits in size.

Ultimate peace of mind

The OverView OLF-521 video wall modules have been designed for an entirely maintenance-free operation over several years, without any need for consumables. Barco's unique liquid cooling system ensures lower LED temperature, resulting in longer LED lifetime (>80,000 hours in eco mode). Displaying the sharpest and most saturated colors in full HD resolution (1920x1080), the OverView OLF-521 offers an ergonomically excellent viewing experience. The availability of alternative screen types makes sure you can adjust the video wall to your specific needs in terms of viewing angle and brightness.

Always the most optimal picture

OverView OLF series video walls come with Sense⁶, Barco's unique sensor technology that provides brightness and color stability over time and across the entire display. Sense⁶ continuously measures brightness and color by means of a high-quality spectrometer, and adjusts the color space to provide an image that is most convenient for the human eye. This means that no maintenance or manual adjustments are needed. The colors can also be adjusted to the very specific needs of TV cameras, making the OverView OLF series suitable for backdrop applications.

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Visibly yours

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Award-winning design

The OverView OLF series' design, combining usability with style, has been lauded with the prestigious Red Dot Design Award. The individual modules have the smallest depth on the market today, allowing to build the most shallow video walls possible. Combined with the front access, this makes the OverView OLF series the product of choice for installation in confined spaces.



Product specifications

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Resolution	Full HD (1920 x 1080px)
Brightness	on-screen: 460 Cd/m ²
On-screen contrast	560,000:1
Color	Up to 165% EBU (at maximum color mode)
Display technology	Rear projection DLP
White point	2,300K 6,500K 9,300K arbitrary
Brightness uniformity	95% ANSI 9
Screen	FXS, with H/V 34°/33° (+/- 3°) half gain angle
Screen gap	Hor: 1.8 mm 0.07", Vert. 1.5 mm 0.06" (@ 25°C)
Color stability	Self calibration with spectrometer based Sense ⁶
Dimensions	Width: 1,088 mm 42.8" Height: 612 mm 24.1" Depth: 454 mm 17.9" Weight: Projection Module: < 53 kg 117 lbs
Light source	6x redundancy for each of 3 LED's
Light source lifetime	> 60,000h (at 6500k) > 80,000h in eco mode MTBF LED > 500,000 h
Recommended maintenance interval	> 5 years
Conditions for operation	10°C-40°C, 50°F-104°F, 80% humidity (nc)
AC input voltage	90 – 240 V, 50-60Hz
Power	170W (eco) 230W (typ.) 350W (max)
Heat dissipation	580 BTU/h (eco) 785 BTU/h (typ.) 1,194 BTU/h (max)
Signal	2x Dual link DVI in / 2x Dual link DVI out Single link DVI in, with HDCP (optional)
Pixel clock	330 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Minimum frame delay	1 frame
Signal processing	Loop through Free cropping, free scaling (optional)
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Integration to third party equipment	WEB service API (optional)
Warranty	2 years