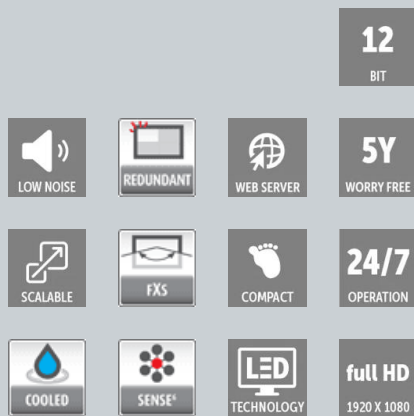# OverView OL-521

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

Barco's OverView OL series LED-lit video walls are the first choice for 16:9 mission-critical control rooms that require a guaranteed uptime. 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. Featuring a structure that can be tailored to the requirements of the customer, the OverView OL series knows virtually no limits in size.

Ultimate peace of mind

The OverView OL-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 OL-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 OL series video walls come with Sense[6], Barco's unique sensor technology that provides brightness and color stability over time and across the entire display. Sense[6] 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 OL series suitable for backdrop applications.

Award-winning design

The OverView OL series' design, combining usability with style, has been lauded with the prestigious Red Dot Design Award and was nominated for the German

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

Highest level of redundancy
- 6x redundancy of LEDs (per color) & LED power supplies

- 2x redundancy of dual-link inputs

Unique Barco innovations
- Sense⁶ automatic full spectrum calibration

- Active liquid cooling

Excellent viewing ergonomics
- Wide LED color gamut

- Full HD resolution

- No color break up

- Excellent off-axis viewing with next-generation screen types

Maintenance-free
- 80,000 hours LED lifetime in eco mode

- 5 years service-free runtime

- No color wheel needed

Green focus
- No wearing parts, no waste

- No mercury lamps needed

Product specifications OVERVIEW OL-521

General specifications

Resolution	Full HD (1920 x 1080 pixels)
Brightness	On-screen: 460 Cd/m²
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: 0.8 mm | 0.03", Vert. 0.5 mm | 0.02" (@ 25°C) Hor: < 0.4 mm | 0.015", Vert. < 0.3 mm | 0.012" (@ 30°C)
Screen gap with optional NoGap screen technology	Hor: 0.1 mm | 0.004" Vert. 0.1 mm | 0.004" All temperature/humidity conditions
Color stability	Self calibration with spectrometer based Sense[6]
Dimensions	• Diagonal: 50" (Approx.) • Width: 1,088 mm | 42.8" • Height: 612 mm | 24.1" • Depth: 454 mm | 17.9" • Weight: Projection Module: < 44 kg | 97 lbs • Weight: Pedestal: < 28 kg | 62 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
Conditions for operation	10°C-40°C, 50°F-104°F, 80% humidity (non-condensing)
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-D in / 2x Dual link DVI-D out Single link DVI-D 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

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