

OverView OLS-721

Fully redundant 70" full HD 16:9 LED video wall with 3D



Barco's OverView OLS series LED-lit video walls bring 3D to video walls. They are the first choice for 16:9 mission-critical control rooms that require a guaranteed uptime and the need to show stereoscopic images (using active shutter glasses). 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 OLS series knows virtually no limits in size.

Ultimate peace of mind

The OverView OLS-721 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 OLS-721 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 OLS 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. The resulting vivid colors result in an even more spectacular stereoscopic experience, and will contribute to the increasing deployment of 3D content on video walls.

Award-winning design

The OverView OLS 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. This makes the OverView OLS series the product of choice for rear-projected 3D 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

- Vivid 3D using active shutter glasses
- 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 OLS-721

General specifications

Resolution	Full HD (1920 x 1080px)
Brightness	on-screen: 220/175 Cd/m ² (typ.) in 2D/3D mode
On-screen contrast	560,000:1
Color	Up to 165% EBU (at maximum color mode)
Display technology	Rear projection DLP
White point	3,200/6,500/9,600/arbitrary
Screen	FXS, with H/V 34°/33° half gain angle
Screen gap	Hor: 1 mm 0.04", Vert. 0.7 mm 0.03" (@ 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	<ul style="list-style-type: none">• Diagonal: 70"• Width: 1,550 mm 61"• Height: 872 mm 34.3"• Depth: 622 mm 24.5"• Weight: Projection Module: < 63 kg 139 lbs• Weight: Pedestal: < 39 kg 86 lbs
Light source	6x redundancy for each of 3 LED's
Light source lifetime	> 60,000h (6500k) > 80,000h (eco mode) MTBF LED > 500,000 h
Power	350W (max) 230W (typ.) 170W (eco)
Signal	2x Dual link DVI in / 2x Dual link DVI out
Signal processing	Loop through Free cropping, free scaling (optional)
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Accessibility & servicing	Back
Integration to third party equipment	WEB service API
Stereoscopic 3D	yes
Conditions for operation	10°C- -40°C, 50°F- -104°F, 80% humidity (non-condensing)
Heat dissipation	580 BTU/h (eco) 785 BTU/h (typ.) 1,194 BTU/h (max)
Warranty	2 years

Last updated: 08 Jul 2024

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