OverView OL-510

Fully redundant 50" WXGA 16:9 LED video wall

12
BIT

LOW NOISE

REDUNDANT

WEB SERVER

5Y WORRY FREE

SCALABLE

FXS

COMPACT

24/7 OPERATION

SENSE⁶

COOLED

LED TECHNOLOGY

HD 1360 X 769
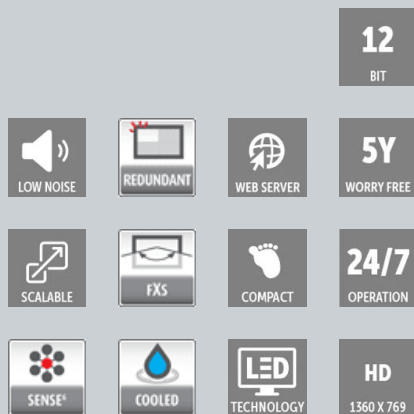
Barco's OverView OL series LED-lit video walls are the first choice for 16:9 mission-critical control rooms that require a guaranteed uptime. The modules' high level of redundancy, not only of the individual LEDs, but also of the LEDs' power supplies and even inputs, ensures nothing can go wrong, giving 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-510 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 WXGA resolution (1368x768), the OverView OL-510 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

- Sense[6] automatic full spectrum calibration

- Active liquid cooling

Excellent viewing ergonomics

- Wide LED color gamut

- WXGA 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 specificaties — OVERVIEW OL-510

General specifications

Resolutie	WXGA (1368x768 pixels)
Helderheid	On-screen: 460 Cd/m^2
Contrast op scherm	560,000:1
Kleur	Up to 165% EBU (at maximum color mode)
Weergavetechnologie	Rear projection DLP
Wit punt	2,300K | 6,500K | 9,300K | arbitrary
Helderheidsuniformiteit	95% ANSI 9
Scherm	FXS, with H/V 34°/33° (+/-3°) half gain angle
Ruimte tussen schermen	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)
Kleurstabiliteit	Self calibration with spectrometer based Sense[6]
Afmetingen	• 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
Lichtbron	6x redundancy for each of 3 LEDs
Levensduur lichtbron	> 60,000h (at 6500k) > 80,000h in eco mode MTBF LED > 500,000 h
Gebruiksomstandigheden	10°C-40°C, 50°F-104°F, 80% humidity (non-condensing)
Ingangsspanning (wisselstroom)	90 – 240 V, 50-60Hz
Vermogen	170W (eco) 230W (typ.) 350W (max)
Warmtedissipatie	580 BTU/h (eco) 785 BTU/h (typ.) 1,194 BTU/h (max)
Signaal	2x Dual link DVI-D in / 2x Dual link DVI-D out Single link DVI-D in, with HDCP (optional)
Directe Ethernet-toegang	Built in web server
Grafische gebruikersinterface	All settings and operational parameters
Pixelklok	330 MHz
Ingangsfrequentie	24 – 62 Hz
Genlock	49 – 61 Hz
Signaalverwerking	Loop through Free cropping, free scaling
Integratie met apparatuur van derden	WEB service API
Garantie	2 years

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