OverView KVL-621

Industry-standard 60" full HD 16:9 LED video wall

24/7 OPERATION

LOW NOISE

LED TECHNOLOGY

full HD 1920 X 1080

With the OverView KVL series, Barco has launched a display range that has a well balanced set of essential features, perfectly fitting the standard requirements. All this comes without any compromise in quality, and with a special focus on limiting both the initial purchase as the runtime cost.

The OverView KVL-621 is an easy to operate 16:9 LED-lit projection module that has been designed to offer the typical detail, brightness, and features in full HD resolution for demanding small to medium-sized control rooms.

Unmatched LED lifetime

Barco's unique cooling system significantly reduces the temperature of the LEDs. This not only prolongs the lifetime of the LEDs (>80,000 hrs), but also allows for durably higher brightness levels. The long LED lifetime guarantees a great uptime and very low overhead costs. The latest LED technology ensures that the power consumption is 30% lower than comparable products.

Comfortable viewing experience

To ensure good wall uniformity in terms of color and brightness levels, the OverView KVL-621 comes with Barco's Sense[5] automatic calibration system. This system works with an advanced color sensor that continuously measures the primary color levels of the entire wall, and adjusts white point and color when needed. This results in a significantly more accurate cube to cube uniformity, over the complete runtime. Furthermore, the module's robust structure makes the OverView KVL-621 suitable for use in industrial environments.

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Key characteristics

- 6x redundancy of LEDs (per color)

- Sense[5] automatic white point and primary colors calibration, for brightness and color stability

- Unique cooling system ensures longer LED lifetime

- Low power design

- Wide color gamut

- Less disposables, less waste

- 16:9 aspect ratio

Product specifications	OVERVIEW KVL-621
General specifications	
Signal input/output	Dual link DVI in / Dual link DVI out
Pixel clock	320 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Graphical user interface	All settings and operational parameters
Warranty	2 years
Brightness	on-screen: 320 Cd/m²
Display technology	DLP rear projection
Color gamut	EBU
Signal processing	Loop through up to 10 cubes Cropping / upscaling
Direct ethernet access	Built-in web server
White point	6500K, 3200K fix
Third party interface	WEB service API (optional)
Light source	Light source 6x redundancy for each of 3 LEDs
Color stability	Self calibration with Sense5 based on advanced color sensor
Input voltage	90 – 240 V, 50-60Hz
Brightness uniformity	>95%
Resolution	1920x1080
Conditions for operation	10°C-40°C, 80% humidity (nc)
Light source lifetime	> 60,000h (typ.) > 80,000h (eco) MTBF LED: > 500,000h
Screen	WV-FEL
Power	90W (eco) 150W (typ.) 180W (max)
Dimensions	▪ Diagonal: 60" ▪ Width: 1328 mm | 52" ▪ Height: 747 mm | 29" ▪ Depth: 1056 mm | 42" ▪ Weight: 106.5 kg | 234.8 lbs
Screen gap	< 1 mm | 0.04" (@25°C) < 0.2 mm | 0.0079" (at higher temperatures)
Heat dissipation	310 BTU/h (eco) 510 BTU/h (typ.) 610 BTU/h (max)
On-screen contrast	1,200,000:1 (dynamic) 1,600:1 (typ)

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