

True innovation in 3.5 mm bezel LCD video walls

OverView KVD5521B



Barco's OverView KVD5521B is a high-performance, modular and cost optimized 55" LCD-panel, dedicated for use in tiled video wall applications. With an ultra-narrow bezel of 3.5 mm / 0.14", excellent colors and contrast, and a wide viewing angle, the OverView KVD5521B provides great value to entry-level and mid-range applications.

A combination of high-quality components and innovate features, the OverView KVD5521B is built to provide excellent images for many years, while preventing downtime. The signature innovative Sense X – Barco's automatic real-time color and brightness calibration system – ensures that the complete wall produces a perfectly balanced image at all times. Coupled with the modular approach for additional cost optimization, this makes this LCD video wall a great choice for usage in many markets, including meeting rooms, retail environments, corporate and hospitality lobbies, experience centers and control rooms.

High-quality imaging, innovative features, competitive pricing

Sense X – ensuring a balanced viewing experience over time

Every LCD display – even of the highest quality – suffers from slight changes in color and brightness over time. For video walls, in which the panels are positioned very closely together, this causes an unappealing checkerboard effect – making the wall seem out of balance. Using built-in sensors that continuously measure color and brightness, **Barco's Sense X automatic calibration technology makes adjustments automatically when needed.** This ensures that the entire wall is perfectly calibrated at any time, visualizing the image to its full potential.

Modular approach for easier servicing

The **input boards and power supplies are not integrated into the LCD panel,** but positioned on the back. They can be quickly removed from the display, for **easiest maintenance and quickest replacement,** if needed. This not only speeds up servicing (offering clear time savings), but also has a positive impact on TCO: in case one of the modules breaks down, the entire video wall remains unaffected.

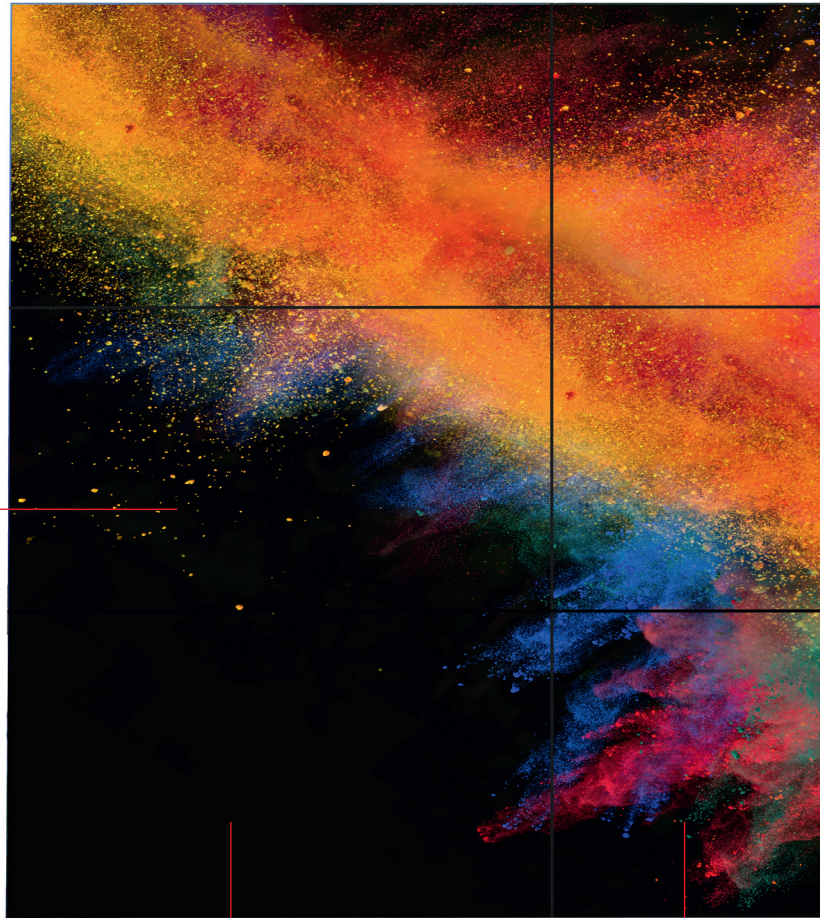


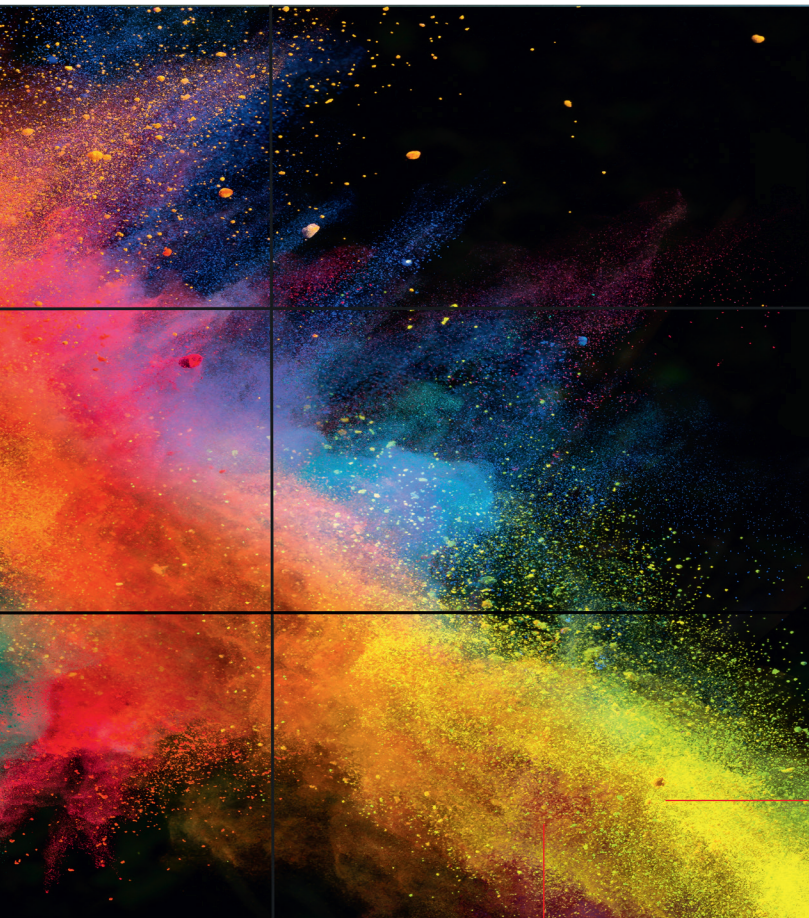
Remote and optionally redundant power supplies to support 24/7 critical applications

Because the power supply is one of the most critical components of an LCD video wall, Barco offers the possibility to include a redundant power supply that automatically takes over should the primary unit fail. This redundant power supply can also be positioned at an external location acting as a remote power supply. The main advantage of the remote and optionally redundant power supply is that a defective unit can be **replaced without a second of downtime and without interrupting critical operations,** making the OverView KVD5521B excellent for use in 24/7 critical applications.

Great image quality

The OverView KVD5521B further builds on Barco's excellent reputation as a leader in professional visualization solutions. The **image quality and color accuracy are impeccable,** displaying images as they are meant to be seen. The brightness of 500 cd/m² makes sure the video wall can be used in most lighting conditions. Furthermore, the ultra-narrow bezel width of 3.5 mm/0.14" offers a great visual experience.





Absolutely quiet

The OverView KVD5521B operates without cooling fans! This not only means that its **operation is noiseless**, but also the absence of moving parts (which are typically subject to wear) improves TCO and limits the chance of system failure.

Suitable for any environment thanks to low screen reflection

Reflecting screens can limit visual ergonomics in many environments, as they tend to take away the focus from the content. With a screen haze of only 10%, OverView KVD5521B performs very well and **reflections are barely noticeable**.



DisplayPort 1.2 for easy connection with less cabling

OverView KVD5521B supports a resolution up to 4K@60Hz thanks to the DisplayPort 1.2 connection. In this way it is possible to feed **4 displays using loop-through with only 1 cable** from the controller to the video wall. This highly reduces the number of cables required and consequently reduces the overall system cost when displaying a 4K or 8K image or video on an OverView KVD5521B LCD video wall.

LCD Connect for easy setup and control

The remote positioning of the control box (LCD Connect) makes it much easier to set up and control the video wall thanks to a centralized user interface that acts as an easy point of control for the entire LCD video wall. This **highly improves the system's overall service-friendliness** because there is no need for remote control to tune each panel separately.

Warranty starts at registration

Unlike competitive brands in the market, OverView KVD5521B offers a **warranty period that starts at the moment of activation and registration** of the video wall, and not from the moment it leaves the warehouse. This obviously impacts TCO and extends ROI for all Barco customers.

Panel	
LCD technology	IPS
Resolution	Full HD (1920 x 1080)
Backlight	Direct LED
Aspect ratio	16:9
Luminance	500 cd/m2 (typ.)
Contrast	1400:1 (typ.)
White point	Native 10,000 K (typ.)
Calibration	Sense X automatic color and brightness calibration
Precision	10 bit processing
Backlight lifetime	60,000 h (typ)
Cooling	Fanless
Screen haze	10%
Operating temperature	0-40°C
Operational humidity	20-80% non-condensing

Dimensions	
Dimensions	1213 x 684 x 69 mm 47.8" x 26.9" 2.73" (without SMPS)
	1213 x 684 x 100 mm 47.8" x 26.9" 3.94" (without SMPS, considering M6 mounting standoff)
	1213 x 684 x 121 mm 47.8" x 26.9" 4.77" (with SMPS)
Active screen diagonal	55" (1397 mm)
Active screen area	1212 mm x 680 mm 47.72" x 26.79"
Weight	28 kg 61.7 lbs (LCD net) /
	30.5 kg 67.2 lbs (LCD gross, including package)
Bezel width	3.5 mm 0.14"

Connectivity	
DisplayPort	2 DP1.2 inputs (DisplayPort 1.2 cables must be used when the cable length exceeds 3m / 10 feet) 1 output
Ethernet port	2
HDCP	Yes
HDMI	2 inputs
USB	2 input (only for power)

Power			
AC input voltage	100-240 VAC, 50-60 Hz		
Power consumption		Integrated power supply	External power supply
	500 nit native	190 W	157 W
	350 nit native	126 W	92 W
Heat dissipation		Integrated power supply	External power supply
	500 nit native	580 BTU/h	536 BTU/h
	350 nit native	342 BTU/h	314 BTU/h

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The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this brochure can be found on www.barco.com. All specs mentioned in this brochure are in accordance with ISO 21118 standards.