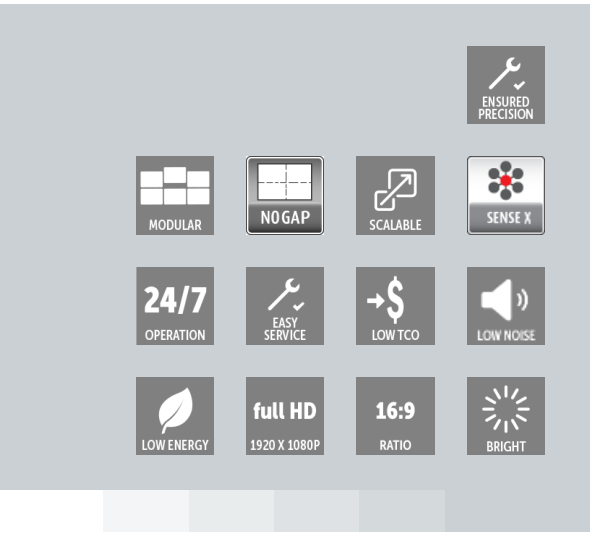
Barco UniSee

55" bezel-less tiled LCD video wall platform for high brightness applications





- **Bezel-less design with NoGap technology at 800 cd/m²**
- **Mounting structure with automatic alignment for ensured precision**
- **Sense X automatic and continuous calibration**
- **Fastest servicing and diagnosing**
- **Modular, future-proof platform**

The award-winning Barco UniSee platform takes a completely new approach to truly seamless LCD video walls. Redesigning and optimizing every component, Barco UniSee is not only a step forward in terms of image quality, but also in installation precision, ease-of-servicing, and reliability.

Bezel-less viewing experience, innovative mounting system

Barco UniSee's bezel-less design, which makes the inter-tile gap barely noticeable, finally makes it possible to spread content over multiple tiles without the interruption of a disturbing black border. In order to guarantee the smallest possible gap without damaging the panels' edges, Barco has created the UniSee Mount. This revolutionary mounting structure uses the power of gravity to perfectly and automatically align panels – and keep them in place over time. What's more, UniSee Mount also eases maintenance efforts, allowing swift undocking of separate panels.

Automatic real-time calibration for perfect uniformity

Sense X, the automatic, continuous and real-time color and brightness calibration system, ensures that the complete wall gives a perfectly balanced image at all times. What's more, Barco has also re-engineered the design of the panels to counter all possible variations in brightness from the center to the edges.

Easy diagnosing and servicing

Because a video wall is often part of a critical application, Barco took all possible measures to ensure optimal uptime. The platform is built in such a way that it can easily be diagnosed and serviced. The software platform (UniSee Connect) that manages the entire video wall automatically assigns and calibrates the panels, and acts as the single point of connection for remote diagnostics and control.

Expanding ecosystem

Several ecosystem partners, all leaders in their fields of expertise, offer additional tailored components for Barco UniSee, like touch overlays and trim and mounting solutions.

PRODUCT SPECIFICATIONS	BARCO UNISEE		
Panel			
LCD technology	PA-VA		
Resolution	Full HD (1920 x 1080)		
Backlight	Direct LED		
Aspect ratio	16:9		
Luminance	800 cd/m^2 (TYPICAL)		
Contrast	4000:1 (TYPICAL)		
Viewing angle (H, V)	178, 178 degrees		
White point	10,500 K (TYPICAL)		
Calibration	Sense X automatic color and brightness calibration		
Cooling	Fanless		
Backlight lifetime	100,000 hours		
Operating temperature	0°C -40°C		
Operational humidity	20% -80% (non-condensing) for T < =30°C 140%-(2% x T/°C) for T=30°C to 40°C (non-condensing)		
Storage temperature	-20°C -65°C		
Storage humidity	10% -90% (non-condensing)		
Response time	< 8 ms		
Dimensions			
Dimensions	1213.5 x 683 x 102.4 mm | 47.8" x 26.9" x 4.03" (internal SMPS) 1213.5 x 683 x 94.9 mm | 47.8" x 26.9" x 3.74" (external SMPS)		
Active screen diagonal	55"		
Active screen area	1212.5 x 682 mm | 47.7" x 26.8"		
Weight	15 kg | 33.1 lbs (LCM net) / 19.3 kg | 42.5 lbs (LCM gross, including package) 17.4 kg | 38.4 lbs (LCD net) / 27 kg | 59.5 lbs (LCD gross, including package)		
Bezel Width	NA (bezel-less)		
Connectivity			
DisplayPort	2 DP1.2 inputs (DisplayPort 1.2 cables must be used when the cable length exceeds 3m / 10 feet), 1 DP1.2 output		
HDMI	2 HDMI 1.4 inputs		
USB	2 (only for power)		
Ethernet port	2		
HDCP	Yes		
Power			
Power consumption		Int. power supply	Ext. power supply
	800 nit	190 W	175 W
	700 nit	170 W	157 W
	350 nit	100 W	92 W
Heat dissipation	800 nit	650 BTU/h	600 BTU/h
	700 nit	580 BTU/h	536 BTU/h
	350 nit	342 BTU/h	314 BTU/h
EMC	Class A		
Notes	UniSee Mount can support up to 10 rows in lanscape mode and 6 rows in portrait		

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.