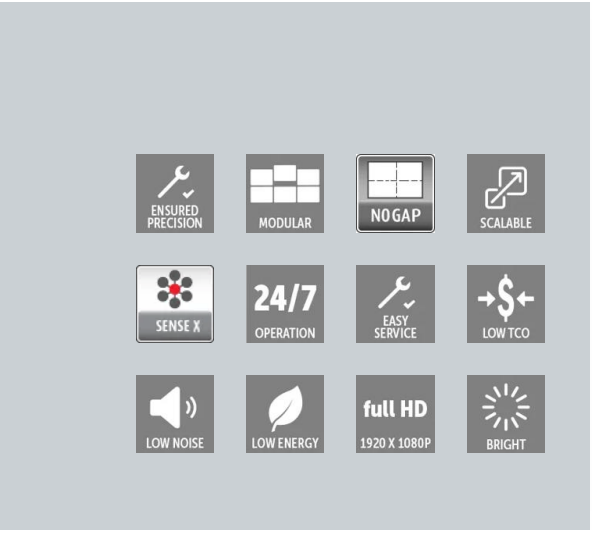
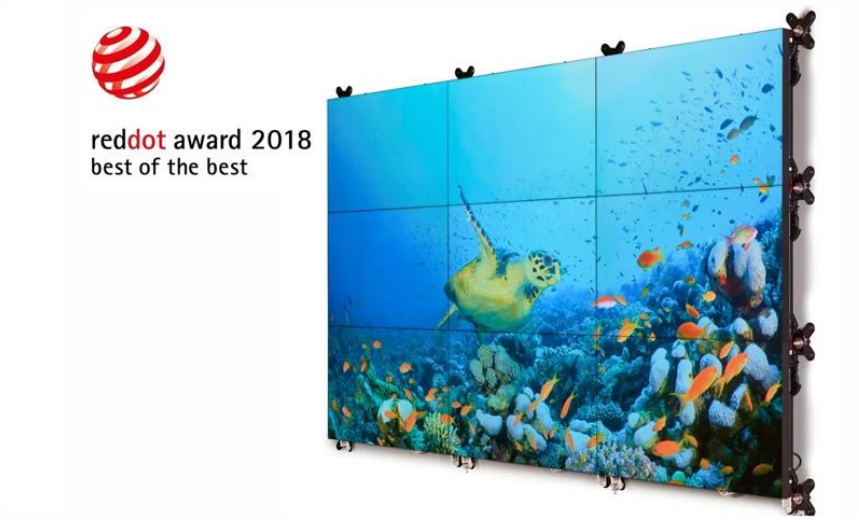
Barco UniSee (UNI-8002)

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**
- **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, enables spreading content over multiple tiles without the interruption of a disturbing black border. The revolutionary UniSee Mount 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.

Sense X, automatic and continuous calibration for perfect uniformity

Sense X, the automatic, continuous 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.

Setup and maintenance can be performed even faster and more easily using the upgraded UniSee Connect module. A wizard guides you through the complete installation process, and the individual panels are automatically recognized by the software upon introduction. The local dimming feature brings higher contrast, lower radiated heat and reduced power consumption.

Offering full system experiences

Besides its visualization portfolio, Barco offers a full range of content management solutions and services to meet the needs of several applications. In addition, the Barco UniSee platform is surrounded by several ecosystem partners, that offer tailored components to further increase the platform's value. Think of touch overlays for increased interactivity, trim solutions for elegant integration in the environment, mounting solutions to allow free-standing or curved set-ups, etc.

Product specifications	BARCO UNISEE (UNI-8002)		
Panel			
Resolution	Full HD (1920 x 1080)		
Backlight	Direct LED		
Aspect ratio	16:9		
Luminance (typ.)	800 cd/m^2 (TYPICAL)		
Contrast ratio (typ.)	4000:1 (TYPICAL)		
White point	10,500 K (TYPICAL)		
Calibration	Sense X automatic color and brightness calibration		
Backlight lifetime (typ.)	100,000 hours		
Cooling	Fanless		
Viewing angle (H|V)	178, 178 degrees		
Response time	< 8 ms		
Operating temperature	0°C -40°C		
Operational humidity	10% -80% (non-condensing)		
Operation	24/7		
Bit depth	10-12 bits		
Refresh rate	50/60Hz		
Storage temperature	-20°C -65°C		
Storage humidity	10% -90% (non-condensing)		
Power			
AC input voltage	100-240 VAC, 50-60 Hz		
Power consumption (typical)		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	Class A and follows CE, FCC or UL Emission: EN 55032: 2012 EN 61000-3-2: 2014 EN 61000-3-3: 2013 Immunity: EN 55024: 2010		
Product safety	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013		
RoHS	EN 50581: 2012		
Dimensions			
Dimensions LCM (WxHxD)	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 net	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(TM)	2 HDMI 1.4 inputs		
Ethernet port	2		
USB	2 (only for power)		
HDCP	Yes		
Other			
Notes	UniSee Mount can support up to 10 rows in lanscape mode and 6 rows in portrait		

Last updated: 19 Jun 2026

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