Barco UniSee 500+

55” bezel-less tiled LCD video wall platform for a wide application range with controlled ambient light





- **Bezel-less design with NoGap technology**
- **500 cd/m² brightness**
- **25% reduced power consumption compared to previous version**
- **Smart local dimming for enhanced intra-panel communication**
- **Modular, future-proof platform**

The award-winning Barco UniSee® platform has revolutionized nearly seamless LCD video walls and is a huge step forward in terms of image quality, installation precision, ease-of-servicing and reliability. Barco UniSee 500+, the successor to its popular UniSee 500 LCD video wall platform, offers typical brightness levels of 500 cd/m². It's design specifically for control rooms, security operations, utilities, transportation hubs, and other 24/7 environments. This next-generation display solution combines enhanced panel technology with intelligent system management to deliver superior clarity, uniformity and uptime.

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. Additionally the UniSee InvisiMount solution offers a sleeker design without the visible wall crosses. The Smart local dimming technology, originally introduced for UniSee II, is now for the first time entering the 500 nit segment with the introduction of UniSee 500+. This intelligent feature provides sharper image quality and more accurate visual information to operators: enhanced intra-panel communication delivers a more uniform display experience across the entire wall, reducing visible boundaries and inconsistencies.

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. Barco also applies proprietary uniformity calibration algorithms to counter all possible variations in color and brightness from the center to the edges. The comprehensive calibration method allows the video wall to be fine-tuned to perfection, ensuring consistent visual performance throughout its lifetime.

Setup and maintenance can be performed even faster and more easily through a wizard which guides you through the complete installation process. 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.

Sustainability and efficiency built in

Environmental responsibility and cost-efficiency go hand in hand with Barco UniSee 500+. With 25% lower power consumption compared to the previous model, the new platform dramatically reduces operational costs and supports organizational sustainability goals without compromising performance.

Product specifications	BARCO UNISEE 500+
Panel	
LCD technology	IPS
Resolution	Full HD (1920 x 1080)
Backlight	Direct LED
Aspect ratio	16:9
Luminance (typ.)	500 cd/m²
Peak luminance	–
Contrast ratio (typ.)	1200:1 (typical)
Local dimming	Yes
Smart local dimming	Yes
White point	Native: 9.700 K (typical)
HDR processing	HDR10 Ready (not certified)
Color gamut/depth	Native 70% NTSC
Calibration	Sense X automatic color & brightness calibration
Backlight lifetime (typ.)	Up to 100 000 h in 'Long Lifetime' mode
Cooling	Fan-less
Screen haze	25%
Viewing angle (H|V)	178° / 178°
Response time	< 8ms / typical 6ms
Uniformity	9 points: 98% 13 points: 96% 21 points: 93%
Operating temperature	0°C -40°C
Operational humidity	20% -80% (non-condensing)
Storage temperature	-20°C -60°C
Storage humidity	10% -90% (non-condensing)
Mounting	Standard UniSee Smart mount or InvisiMount possible (*)
Landscape/portrait	Yes/Yes
Temperature sensors	Embedded in each panel
Power	
AC input voltage	100–240 VAC, 50–60 Hz
Power consumption (typical)	Int. power supply: 148 W Ext. power supply: 135 W
Heat dissipation	Int. power supply: 505 BTU/h Ext. power supply: 461 BTU/h
EMC Class	FCC Class B
Dimensions	
Dimensions LCM (WxHxD)	1211.30 x 682.12 x 65 mm
Dimensions LCD (with Int SMPS) (WxHxD)	1211.30 x 682.12 x 91.10 mm
Active screen diagonal	55"
Weight net	LCD (LCM+SMPS+Input Board): 15.9 kg LCM: 13.6 kg
Weight gross	21.8 kg
Bezel Width	Bezel-less
Connectivity	
DisplayPort	2x DP1.2 inputs & 1x output (4K@60Hz)
HDMI(TM)	2x HDMI™ 2.0 inputs (4K@60Hz)
Ethernet port	2x Ethernet ports
USB	2x USB ports (only for power)
HDCP	Yes (v2.2)
Model	
Model name	UniSee 500+ UniSee 500+ TAA
Other	
Article number	R9868800
*Note	UniSee Standard Smart Mount: up to 10 rows (landscape) / 6 (portrait) UniSee InvisiMount: up to 4 col x 3 rows (landscape) / 4 col x 2 rows (portrait)
Notes	Preliminary spec sheet -April 2026
Certifications	CE, SGS, UKCA, PSE, BIS, CEBEC, ICES, EAC , FCC, RCM, RoHS, WEEE, REACH
TAA Compliancy	Yes, TAA compliant model available

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