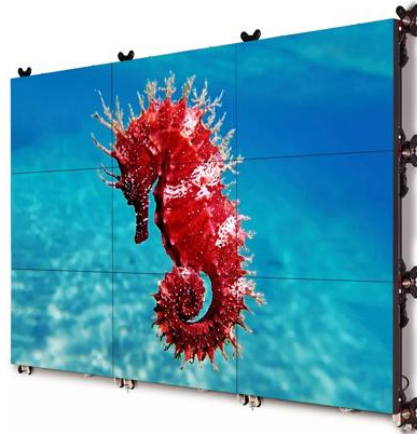# Barco UniSee 500 (UNI-0005)

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**

- **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 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, offering typical brightness levels of 500 cd/m², was designed for use in environments with controlled ambient lighting conditions. It complements the high-brightness Barco UniSee which is applicable in virtually every environment.
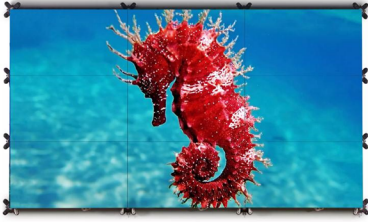
Bezel-less viewing experience, innovative mounting system

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. Barco also applies proprietary uniformity calibration algorithms 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

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brings higher contrast, lower radiated heat and reduced power consumption. What's more, UniSee Connect also allows default hardware enabled cloud connectivity for remote monitoring and diagnostics.

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 500 (UNI-0005)
Panel	
LCD technology	IPS
Resolution	Full HD (1920 x 1080)
Backlight	Direct LED
Aspect ratio	16:9
Luminance	500 cd/m^2 (TYPICAL)
Contrast	1100:1 (TYPICAL)
Contrast	1500:1 (TYPICAL*)
White point	native: 10,500 K (TYPICAL)
Screen haze	28%
Calibration	Sense X automatic color and brightness calibration
Bit depth	3 x 10 bits
Backlight lifetime	100,000 h (TYPICAL)
Viewing angle (H, V)	178° | 178°
Uniformity	9 points: 98% 13 points: 98% 21 points: 92%
Cooling	Fanless
Operating temperature	0°C - 40°C
Operational humidity	20% - 80% (non-condensing)
Storage temperature	-20°C - 60°C
Storage humidity	10% - 90% (non-condensing)
Response time	< 8 ms
Temperature sensors	Embedded temperature sensors in each panel
*Note	*: tested with a 3x3 checkerboard test pattern on a single panel with default factory settings.
Dimensions	
Dimensions	1211.36 x 682.02 x 91.1 mm | 47.7" x 26.9" x 3.59" (internal SMPS) 1211,36 x 682.02 x 87.1 mm | 47.7" x 26.9" x 3.43" (external SMPS)
Active screen diagonal	55"

Product specifications	BARCO UNISEE 500 (UNI-0005)
Weight	17.3 kg | 38.1 lbs (LCD net) 15.0 kg | 33.1 lbs (LCM net)
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 2.0 inputs
USB	2 (only for power)
Ethernet port	2
HDCP	Yes (v2.2)
Power	
AC input voltage	100-240 VAC, 50-60 Hz

Power consumption

	Int. power supply	Ext. power supply
500 nit	185 W	174 W
350 nit	139 W	130 W

Heat dissipation

	Int. power supply	Ext. power supply
500 nit	631 BTU/h	594 BTU/h
350 nit	474 BTU/H	444 BTU/h

EMC	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
Components	UNI-0001 / UNI-0002 / UNI-0004 / UNI-0005 & WCE110
Notes	UniSee Mount can support up to 10 rows in lanscape mode and 6 rows in portrait

ENABLING BRIGHT OUTCOMES

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