NSL-5521

55" Full HD, LED-lit LCD display for video walls

As a complement to Barco's rear-projection video walls, Barco has developed the NSL series. These professional-grade, high-resolution LCD displays are the perfect solution for tiled video wall applications in small to medium-sized control rooms.

Barco's NSL-5521, a 55" full HD LCD with LED backlights, combines high brightness and a long lifetime with an extremely narrow bezel for excellent tiled visual performance.

Narrow-bezel LCD for video wall applications

As a tiled LCD solution, the NSL-5521 is ideal for personal wall environments and adjunct control rooms in Emergency Operations Centers, traffic management and surveillance centers, C4I-SR environments, utilities and process control centers and broadcast & telecom monitoring applications.

Tiled LCD technology – the right choice for your control room:

- **Unlike front projection,** tiled LCDs require less maintenance costs, have a better contrast ratio and are not influenced by ambient light.
- **Unlike plasma technology**, tiled LCDs require less power consumption and are not subject to permanent, irreversible burn-in or annoying screen reflections.
- **Unlike normal-bezel LCD displays**, tiled LCDs offer more scalability, minimize bezel distraction and allow optimal usability of the screen surface with high resolution.
- **Unlike lamp-based LCD displays**, tiled LCDs with LED backlights offer more brightness, optimal image quality and a higher life expectancy.

Combining an extremely slim bezel with the best image quality around in terms of resolution, uniformity, brightness and viewing angle, Barco's NSL-5521 LCD video walls offer the most ergonomic personal wall solution for your control room.

Traffic management & security operations

Barco's NSL-5521 provides a cost-effective display solution to help viewers reduce response times and create better conditions for collaborative decision-making inside crisis rooms, break-out rooms or situation rooms.

Utilities & Process control

Barco's NSL-5521 displays offer an ideal personal wall solution for process control centers. SCADA or GIS information is presented with the highest color accuracy and contrast range.

Seams between display panels are only a few millimeters

Why choose NSL-5521?

• Space-saving display wall solution

• Lower heat output than traditional lamp-based systems

• Long panel life as LED backlights reduce burn-in and colorations

• Stable colors across the entire video wall

• Exceptionally narrow bezel resulting in very small seams

• High brightness, excellent contrast and a wide viewing angle

• Easy to install, service and maintain thanks to front access

• Eco-friendly and durable solution as LEDs contain no mercury and are energy-efficient

Command & control

Barco's NSL-5521 enables multi-sensor COP visualization for increased Situation Awareness. It is optimized for mission-critical applications, quickly deployable and scalable to both tactical and joint operations.

Broadcast and telecom video and data monitoring

Broadcast editors, production staff, master control operators and distribution control managers can rely on Barco's NSL-5521 video wall to view and control multiple video and data sources at the same time, both online and off-line.
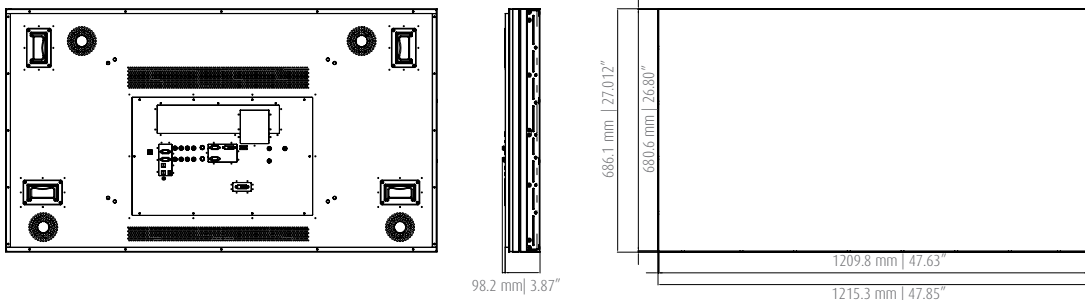

Studio backdrop video wall

The NSL-5521 makes a cost-effective, near-seamless studio backdrop solution. It is easily transportable, which allows studio building teams to quickly perform a studio turnaround and adhere to a tight show schedule. The NSL-5521's wide viewing angle offers maximum flexibility for camera positions.

Technical specifications NSL-5521

	NSL-5521
Display capabilities	
LCD technology	S-PVA, normally black
	DID technology for extensive usage
	AIR Anti Image Retention Circuitry
Resolution	Full HD (1920x1080)
Backlight	Direct LED
Aspect Ratio	16:9
Pixel density	40 dpi
Refresh rate	60 Hz
Luminance	700 cd/m2 (max)
Contrast ratio	3000:1 (typ.)
Viewing angle	H 178°| V 178°
Native white point[1]	10,000 K
Color depth	10 bits – 1.07 Billion colors
Backlight operating life time	
Backlight operating life time	50,000 h
MTBF	>100,000 h
Mechanical	
Active screen diagonal	55" (1396 mm)
Dimensions	1215.3 x 686.1 x 98.2 mm	47.85" x 27.01" x 3.87"
Active screen area	1210 x 680 mm	47.63" x 26.79"
Bezel width	Right, bottom: 1.9mm	0.075"
	Left, top: 3.8mm	0.15"
Weight	35 kg	77.3 lbs (net)
	48.5 kg| 107.1 lbs (gross)
Cooling	Low noise fans
Power	
AC input voltage	100-240 VAC, 60-50Hz
Power consumption (W) (MAX|TYP|SLEEP|STDBY)	300	130	20	2.5
Max heat dissipation (BTU/h)	1023
Signal connectors	
VGA	Separate sync DSUB-15P in/out
DVI	Single link DVI-D in/out with HDCP
Display Port	Display port input (Out via DVI)
HDMI	HDMI Type A with HDCP (Out via DVI)
CVBS	BNC in/out
S-Video	Mini-DIN S-terminal in/out
Component video	3xBNC in/out
Wall control	
Barco NSL control manager	Server connected via RS232 chain
	Remote client application:
	on/off, wall setup, source selection, status, brightness, contrast and color adjustments

([1]) Other color temperatures are possible

686.1 mm| 27.012"

680.6 mm| 26.80"

98.2 mm| 3.87"

1209.8 mm | 47.63"

1215.3 mm | 47.85"

BARCO

Visibly yours

www.barco.com/controlrooms