

NSL-4621

46" full HD, LED-lit LCD display for video walls



Barco's NSL-4621, a 46" full HD LCD with LED backlights, combines high brightness and durable LED backlight technology with an extremely narrow bezel for excellent tiled visual performance.

As a tiled LCD solution, the NSL-4621 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.

Narrow-bezel display for tiled video walls

The new NSL uses durable LED backlights positioned directly behind the LCD panel and has a super narrow bezel, resulting in excellent tiled visual performance.

Durable and bright

The NSL-4621 offers the best image quality around in terms of resolution, brightness and viewing angle. Because LED backlights reduce burn-in and colorations in the LCD filters and polarizers, the NSL-4621 has a long panel life, which makes the display tile perfectly suited for long-term usage.

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.
- 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 high life expectancy.

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Technical specifications

LCD technology	S-PVA, normally black,DID technology for extensive usage,AIR Anti Image Retention circuitry
Resolution	Full HD (1920 x 1080)
Backlight	Direct LED
Aspect Ratio	16:9
Pixel density	48 dpi
Refresh rate	60 Hz
Luminance	700 cd/m2 (max)
Contrast	3500:1 (typ.)
Viewing angle	H 178° V 178°
White point	10,000 K
Color	10 bits - 1.07 B colors
Precision	Internal 10 bit processing for precise color calibration
Backlight lifetime	50,000 h
MTBF	> 100,000 h
Active screen diagonal	46" (1168 mm)
Dimensions	1024.0 x 578.6 x 98.2 mm 40.3" x 22.8" x 3.9"
Active screen area	1018.1 mm x 572.7 mm 40.1" x 22.6"
Bezel width	Right, bottom: 1.9 mm 0.075" Left, top: 3.8 mm 0.15" Total: 5.7 mm 0.22"
Weight	26 kg 57.3 lbs (net) 36 kg 79.4 lbs (gross)
Cooling	Low noise fans
AC input voltage	100-240 VAC, 60-50 Hz
Power consumption	190 W (max) 90 W (typ) 20 W (sleep) 2.5 W (stdby)
Heat dissipation	819 BTU/h (max)
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
Barco NSL control manager	Server connected via RS232 chain Remote client application: on/off, wall setup, source selection, status, brightness, contrast and color adjustments
Component video	3xBNC in/out
control signal	RS-232 DSUB9 PIN in/out
Operating humidity	20-80% non-condensing
Operational temperature	0-40°C 32-104°F
Regulation Compliance	CE, TÜV, cTÜVus, CCC, ROHS, WEEE
Storage humidity	10-90% non-condensing
Storage temperature	-20-60°C -4-140°F

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

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