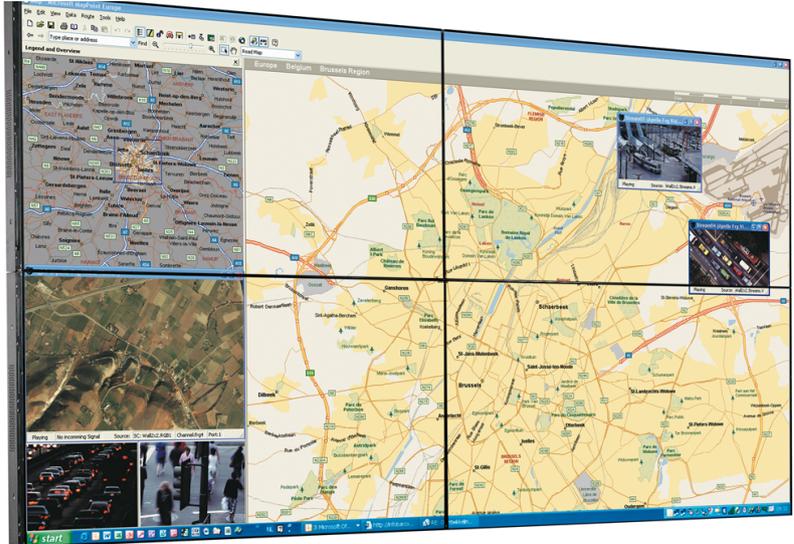


# NSL-5521

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



Barco's NSL-5521, a 55" 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-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.

## **Narrow-bezel display for tiled video walls**

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

## **Durable and bright**

The NSL-5521 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-5521 has a long panel life, which makes the display cube 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

<b>LCD technology</b>	S-PVA, normally black,DID technology for extensive usage,AIR Anti Image Retention circuitry
<b>Resolution</b>	Full HD (1920 x 1080)
<b>Backlight</b>	Direct LED
<b>Aspect Ratio</b>	16:9
<b>Pixel density</b>	40 dpi
<b>Refresh rate</b>	60 Hz
<b>Luminance</b>	700 cd/m2 (max)
<b>Contrast</b>	3500:1 (typ.)
<b>Viewing angle</b>	H 178° V 178°
<b>White point</b>	10,000 K
<b>Color</b>	10 bits - 1.07 B colors
<b>Precision</b>	Internal 10 bit processing for precise color calibration
<b>Backlight lifetime</b>	50,000 h
<b>MTBF</b>	> 100,000 h
<b>Active screen diagonal</b>	55" (1396 mm)
<b>Dimensions</b>	1215.3 x 686.1 x 98.2 mm   47.85" x 27.01" x 3.87"
<b>Active screen area</b>	1210 mm x 680 mm   47.63" x 26.79"
<b>Bezel width</b>	Right, bottom: 1.9 mm   0.075" Left, top: 3.8 mm   0.15"
<b>Weight</b>	35   77.3 lbs(net)48.5   107.1 lbs (gross)
<b>Cooling</b>	Low noise fans
<b>AC input voltage</b>	100-240 VAC, 60-50 Hz
<b>Power consumption</b>	300 W (max) 130 W (typ) 20 W (sleep) 2.5 W (stdby)
<b>Heat dissipation</b>	1023 BTU/h (max)
<b>VGA</b>	Separate sync DSUB-15P in/out
<b>DVI</b>	Single link DVI-D in/out with HDCP
<b>Display port</b>	Display port input (Out via DVI)
<b>HDMI</b>	HDMI Type A with HDCP (Out via DVI)
<b>CVBS</b>	BNC in/out
<b>S-video</b>	Mini-DIN S-terminal in/out
<b>Barco NSL control manager</b>	Server connected via RS232 chain Remote client application: on/off, wall setup, source selection, status, brightness, contrast and color adjustments
<b>Component video</b>	3xBNC in/out
<b>control signal</b>	RS-232 DSUB9 PIN in/out
<b>Operating humidity</b>	20-80% non-condensing
<b>Operational temperature</b>	0-40°C
<b>Regulation Compliance</b>	CE, TÜV, cTÜVus, CCC, ROHS, WEEE
<b>Storage humidity</b>	10-90% non-condensing
<b>Storage temperature</b>	-20-60°C

Generated on: 11 Jul 2012  
 Technical specifications are subject to change without prior notice.  
 Please check [www.barco.com](http://www.barco.com) for the latest information.

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