

LDX-46

46" full HD LED backlit LCD display



Barco's LDX-46 display with LED backlights has been designed for use in a wide variety of professional applications. The LDX-46 produces crisp, bright and color-accurate images on a 46" screen size.

Featuring LED backlit LCD technology, the LDX-46 boasts a high brightness and wide color gamut and provides an exceptionally thin and space-saving design. Available in native full high definition (1920 x 1080 pixels), the LDX-46 is a high-quality display for long-term usage.

Barco's LDX-46 combines the typical benefits of liquid crystal technology (such as low maintenance costs) with energy-efficient LED backlights, reducing image burn-in and colorations, which makes it perfectly suited for long-term usage.

Wide viewing angle

The wide viewing angle (178°) and large surface are very beneficial in collaborative environments where detailed information is viewed by multiple participants.

Space-saving design

The LDX-46 is based on Edge LED technology, meaning that the LEDs are positioned around the outer rim of the screen. This technology provides the LDX-46 with an exceptionally thin and space-saving design.

The display has been designed for easy installation of high-quality standalone applications as a complementary visualization solution in modern control rooms.

High resolution

Barco's high-resolution LDX-46 shows large amounts of data in accurate and high-quality images. Any input source can be shown pixel-on-pixel, which avoids unnecessary scaling artifacts often found on lower-resolution displays. Combined with the displays' non-glossy professional LCD panel and Anti-Image Retention functionality, the LDX-46 delivers bright and crisp images that do full justice to high-resolution graphics and video.

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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 (1920x1080)
Backlight	Edge LED
Aspect Ratio	16:9
LCD technology	<ul style="list-style-type: none"> · S-PVA, normally black · DID technology for extensive usage · AIR Anti Image Retention Circuitry · Internal 10bit processing for precise color calibration
Pixel density	48 dpi
Refresh rate	120 Hz
Luminance	600 cd/m ² (max)
Contrast ratio	3000:1 (typ)
Viewing angle	H 178° / V 178°
White point	10,000 K
Color depth	10 bits - 1.07 B colors
Color calibration	Barco DCMS software and color probe
Precision	Internal 10bit processing for precise color calibration
Backlight lifetime	50,000 h
MTBF	>30,000 h
Active screen diagonal	46" (1168 mm)
Dimensions	1075 x 639 x 85 mm (42.32" x 25.16" x 3.35")
Active screen area	1019 x 573 mm (40.12" x 22.56")
Weight	28 kg (61.8 lbs net)
Cooling	Fanless cooling - low noise
AC input voltage	100-240 VAC, 60-50Hz
Power consumption	220W (max) 120 (typ) 20 (sleep) 2.5 (stdby)
Heat dissipation	750 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)
HD-SDI	2x BNC in 2x out SD, HD, 3Gb/s
CVBS	BNC in/out
S-video	Mini-DIN S-terminal in/out
Component video	3xBNC 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
control signal	RS-232 DSUB9 PIN in/out
Operating temperature	0° to 40°C
Operating humidity	20-80% non-condensing
Storage temperature	-20-60°C
Storage humidity	10-90% non-condensing
Regulation Compliance	CE, TÜV, cTÜVus, CCC, ROHS, WEEE