

LDX-55

55" full HD LED backlit LCD display



Barco's LDX-55 display with LED backlights has been designed for use in a wide variety of professional applications. The LDX-55 produces crisp, bright and color-accurate images on a 55" screen size.

Featuring LED backlit LCD technology, the LDX-55 boasts a high brightness and durable LED backlight technology and provides an exceptionally thin and space-saving design. Available in native full high definition (1920 x 1080 pixels), the LDX-55 is a high-quality display for long-term usage.

Barco's LDX-55 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-55 is based on Edge LED technology, meaning that the LEDs are positioned around the outer rim of the screen. This technology provides the LDX-55 with an exceptionally thin and space-saving design.

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

High resolution

Barco's high-resolution LDX-55 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-55 delivers bright and crisp images that do full justice to high-resolution graphics and video.

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Technical specifications

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|---------------------------|---|
| 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 |
| Refresh rate | 120Hz |
| Pixel density | 40 dpi |
| Luminance | 600 cd/m ² (max) |
| Contrast ratio | 4000:1 (typ) |
| Viewing angle | H 178° / V 178° |
| White point | 10,000 K |
| Color depth | 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 | 55" (1396 mm) |
| Dimensions | 1267 x 749 x 81 mm (49.88" x 29.49" x 3.19") |
| Active screen area | 1210 x 680 mm (47.64" x 26.77") |
| Weight | 35 kg (77.3 lbs net) |
| Cooling | Fanless cooling - low noise |
| AC input voltage | 100-240 VAC, 60-50Hz |
| Power consumption | 240W (max) 130W (typ) 20 (sleep) 2.5 (stdby) |
| Heat dissipation | 818 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 |
| Color adjustment | With DCMS software and color probe |
| S-video | Mini-DIN 5-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 |

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|------------------------------|----------------------------------|
| Storage humidity | 10-90% non-condensing |
| Regulation Compliance | CE, TÜV, cTÜVus, CCC, ROHS, WEEE |