

LDX-58 RL

58" Quad HD LED backlit LCD display



The LDX-58 RL is a large-screen LED-backlit personal workstation display, featuring a 58-inch LCD panel (16:9) with Quad HD resolution (3840 x 2160). It was designed for collaborative decision-making, combining a very high resolution with excellent contrast ratio, high brightness, and a wide viewing angle.

The large-size, ultra high-resolution LCD screen offers a more efficient alternative to multi-monitor configurations. The LDX-58 RL fits the requirements of a wide range of applications, including control rooms, break-out rooms, collaboration rooms, crisis operations and war rooms, etc.

Perfect images

To allow operators to react on real-time events in the fastest time possible, the LDX-58 RL's special video controller design use no frame buffering. This results in a minimal delay between input signal and display (typically 10 ms). In order to benefit from the large screen size and resolution, the LDX-58 RL has two sets of inputs, both arranged as 2X Dual-Link DVI. Using a local keyboard, you can switch between the inputs. What's more, the LDX-58 RL is also fully integrated with Barco's TransForm N family of controllers.

The display's light haze type LCD finishing, is the ideal compromise between perfect optical quality and the minimization of ambient reflections. To even further emphasize its versatility, the LDX-58 RL offers a variety of settings that make it suitable for any kind of imaging.

Reliable and safe performance

Its redundant power supply architecture ensures stable and reliable operation in the most critical conditions. What's more, an internal microcontroller continuously monitors the display's operation, to detect minor malfunctions at first notice. And last but not least, the ventilation system was designed for low impact on the controlled air flow of control rooms.

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Product specifications**LDX-58 RL**

Active screen diagonal	58"
Display technology	SMVA
Active area	1270 x 721 mm
Backlight	Direct LED
Resolution	QFHD
Pixel density	3840 x 2160 Pixels x 3 colors
Aspect Ratio	16:9
Brightness	700 cd/m ² typical
Contrast ratio	4000:1 (max.)
Response time	8.5 ms typical
Color depth	10 bit
Viewing angle	176° (H) , 176° (V) typical
Surface treatment	Anti-glare coating (haze 1%)
Color gamut	9300 K / 72% NTSC
Optical Transfer Function	NATIVE / COLOR / USER LUT
Color temperature	From 2000 K to 12000 K (with COLOR Transfer Function selected)
Gamma curve	Adjustable from 1.4 to 3.2 (with COLOR Transfer Function selected)
Backlight lifetime (half brightness)	50,000 hours
Lifetime	35,000 hours (calculated)
Frame rate	60 Hz
Video inputs	2 x Dual Dual-Link DVI, selectable
Local Control	Keypad (5 keys, OSD assisted)
Remote Control	Serial RS-232 (D-Sub9) or Serial Link over Ethernet (RJ45) selectable
Power input	100 - 240 Vac 50 / 60Hz
Power consumption	230 W typical (operating)
Operating temperature	+ 0 to +35 °C (operating) -20 to +60 °C (storage)
Operating humidity	Less than 90% RH (operating) Less than 95% RH (storage)
Dimensions	Width: 1318 mm Height: 776 mm Depth: 146 mm
Weight	48 kg
Mounting	VESA 400
Approvals	EN55011 - Class A, CISPR11 - Class A