



# Clarity Matrix G3 LX46X

## LCD Video Wall System

The Clarity® Matrix® G3 LX46X is a 46" LCD video wall display with an extreme narrow tiled bezel width of 1.7mm that provides a nearly seamless digital canvas, outstanding tiled visual performance, extended operation and requires minimal installation space. Designed for 24x7 operation, the Clarity Matrix G3 LX46X features 500 nits brightness, LED backlight technology and Full HD resolution— making it the ideal video wall for high-impact, mission-critical applications.

*Note: Cat6A STP (shield twisted pair) cables and connectors are required.*



SPECIFICATION	DETAIL
Technology	Commercial-grade LCD
Per Panel Dimensions (Including Mount)	40.3 x 22.7 x 3.6in   1019 x 573 x 91mm
Diagonal	46in   1168mm
Native Resolution Panels	1920 x 1080
Aspect Ratio	16:9
Tiled Bezel Width	0.06in   1.7mm
Thermal Expansion Gap Required	0.4 mm   .02 in
Power Consumption (max/display)	125W
Power supply voltage	100-230V AC ± 10%, 50 to 60 Hz
Power Status	Diagnostics LEDs, health monitoring and alerts
Per Panel Weight (Including Mount)	40lb   18kg (Landscape) 42lb   19kg (Portrait)
Shipping weight	148 lbs   67.5 kg (dual pack), 106 lbs   48.1 kg (single pack)
Mounted Depth	3.6in   91.44mm (wall to front of display)
Brightness (typ)	500 cd/m <sup>2</sup> or nits
Contrast ratio (full field)	4000:1
Response Time (typ)	8 ms
Full viewing angle	178°
Video Inputs (Controller)	4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2
Video Outputs (Controller)	9-Output Controller: 9x RJ45 8P8C, 1x DisplayPort 1.2   4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2

<b>Video Extension built-in</b>	200ft   60m over STP CAT6
<b>Control</b>	IR Remote Control, RS-232, USB, Network, Leyard WallDirector Software
<b>Sync</b>	Mini BNC In/Out
<b>Backlight control</b>	Individual and wall control
<b>Backlight sensing and reporting</b>	At display level
<b>Display module position sensing</b>	Auto-sensing integrated
<b>Backlight life (1/2 brightness)</b>	50,000 Hrs
<b>Power Supply</b>	Offboard   Redundant Optional   Hot Swap
<b>Wall Mount</b>	Planar® EasyAxis™ Mounting System   VESA Mount (optional)
<b>Acoustic Noise</b>	LCD: <30dBA (fanless), VC: 45dBA, RPS: <40dBA @ 25°C (77°F)
<b>Heat Load (max/display)</b>	426 BTU/hr
<b>Operating Temperature/Humidity (degrees F/C, relative humidity)</b>	5° to 40° C / 20-90% RH   41° to 104° F / 20-90% RH
<b>Orientation</b>	Landscape or Portrait
<b>Safety regulations</b>	Complies with EN62368-1, FCC Class A, CISPR22/85, CE, EU RoHS
<b>Cat6 Cables and Connectors</b>	Cat6a STP (shield twisted pair) cables and connectors are required.
<b>Touch Technology</b>	Clarity Matrix MultiTouch (optional)
<b>Protection</b>	Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (optional)
<b>Fiber Video Extension Module Option</b>	1 RU rack mount module drives up to 4 displays
<b>Fiber Video Extension Module Outputs</b>	10G Duplex LC SFP+ single mode transceivers supporting distances up to 10km (32.8kft) (Single mode transceivers supporting 2km (6500ft) included) from video wall. Compatible with multi mode transceivers supporting up to 300m (980ft) from the wall. (multi mode transceivers not provided)

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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