



# Clarity Matrix G3 MX65U-4K

## LCD Video Walls

The Clarity® Matrix® G3 MX65U-4K is a 65" LCD video wall display with a tiled bezel width of 3.7 mm 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 MX65U-4K features 800 nits brightness, LED backlight technology and Ultra 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)	56.4 x 31.8 x 3.3 in   1432.6 x 807.6 x 83.9 mm
Diagonal	65 in   1651 mm
Native Resolution Panels	3840 x 2160
Aspect Ratio	16:9
Tiled Bezel Width	0.1 in   3.7 mm
Thermal Expansion Gap Required	0.1 mm   .02 in
Power Consumption (max/display)	90W
Power supply voltage	100-230V AC ± 10%, 50 to 60 Hz
Power Status	Diagnostics LEDs, health monitoring and alerts
Per Panel Weight (Including Mount)	64 lbs   29 kg (Landscape) 66 lbs   30 kg (Portrait)
Shipping weight	128 lbs   59 kg (single pack) / 214 lbs   98 kg (dual pack)
Mounted Depth	3.7 in   93 mm (wall to front of display)
Brightness (typ)	800 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

<b>Video Outputs (Controller)</b>	4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2
<b>Video Extension built-in</b>	131 ft   40m 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>	1331 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 EEN62368-1, 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 Multi-Touch (optional)
<b>Protection</b>	Planar® PRO-OSP™ (Extended Ruggedness and Optics™) Technology (optional)
<b>Fiber Video Extension Module Option</b>	◆ 1 RJ45 mount module drives up to 4 displays
<b>Fiber Video Extension Module Outputs</b>	◆ SFP multi-mode transceivers supports distances up to 300m from wall   Single-mode compatible up to 10k from the wall

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

*Specifications are subject to change without notice.*

*Specification Report Date: 7/15/2021*

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