



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	0.15 in 3.7 mm
Thermal Expansion Gap Required	0.4 mm .02 in
Power Consumption (max/display)	390W
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 ² 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)	4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2
Video Extension built-in	131 ft 40m over STP CAT6
Control	IR Remote Control, RS-232, USB, Network, Leyard WallDirector Software
Sync	Mini BNC In/Out
Backlight control	Individual and wall control
Backlight sensing and reporting	At display level
Display module position sensing	Auto-sensing integrated
Backlight life (1/2 brightness)	50,000 Hrs
Power Supply	Offboard Redundant Optional Hot Swap
Wall Mount	Planar® EasyAxis™ Mounting System VESA Mount (optional)
Acoustic Noise	LCD: <30dBA (fanless), VC: 45dBA, RPS: <40dBA @ 25°C (77°F)
Heat Load (max/display)	1331 BTU/hr
Operating Temperature/Humidity (degrees F/C, relative humidity)	5° to 40° C / 20-90% RH 41° to 104° F / 20-90% RH
Orientation	Landscape or Portrait
Safety regulations	Complies with EEN62368-1, FCC Class A, CISPR22/85, CE, EU RoHS
Cat6 Cables and Connectors	Cat6a STP (shield twisted pair) cables and connectors are required.
Touch Technology	Clarity Matrix MultiTouch (optional)
Protection	Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (optional)
Fiber Video Extension Module Option	◆ 1 RU rack mount module drives up to 4 displays
Fiber Video Extension Module Outputs	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

Specifications are subject to change without notice.

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