



Clarity Matrix G3 MX46U

LCD Video Wall System

The Clarity® Matrix® G3 MX46U is a 46" LCD video wall display with a tiled bezel width of 3.7mm 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 MX46U features 800 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)	40.2 x 22.7 x 3.6in 1022 x 577 x 91mm
Diagonal	46in 1168.4mm
Native Resolution Panels	1920 x 1080
Aspect Ratio	16:9
Tiled Bezel Width	0.15in 3.7mm
Thermal Expansion Gap Required	0.4 mm .02 in
Power Consumption (max/display)	140W
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)	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)	9-Output Controller: 9x RJ45 8P8C, 1x DisplayPort 1.2 4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2

Video Extension built-in	200ft 60m 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)	477 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 EN60950, 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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