



Clarity Matrix MX55M-L-ERO

LCD Video Wall System

The Clarity® Matrix® G3 MX55M-L-ERO is a 55" video wall display equipped with Planar® ERO-LCD™ (Extended Ruggedness and Optics™) protective surface and a tiled bezel width of 2.38mm. Clarity Matrix G3 MX55M-L-ERO 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 MX55M-L-ERO features 800 nits brightness, LED backlight technology with user-selectable local dimming and Full HD resolution— making it the ideal video wall for high-impact, mission-critical applications.



SPECIFICATION	DETAIL
Technology	Commercial-grade LCD
Per Panel Dimensions (Including Mount)	47.7 x 26.9 x 3.7 in 1211.3 x 682 x 93.6 mm
Diagonal	~55in (54.72") 1390.1mm
Native Resolution Panels	1920 x 1080
Aspect Ratio	16:9
Tiled Bezel Width	2.38 mm .09 in
Thermal Expansion Gap Required	0.4 mm .02 in
Power Consumption (max/display)	235W
Power supply voltage	100-230V AC ± 10%, 50 to 60 Hz
Power Status	Diagnostics LEDs, health monitoring and alerts
Per Panel Weight (Including Mount)	65.5 lbs 29.71 kg (Landscape) 68.4 lbs 31.02 kg (Portrait)
Shipping weight	125 lbs 56.7 kg (single pack) / 208 lbs 94.3 kg (dual pack)
Mounted Depth	4.64in 117.9mm (wall to front of display)
Brightness (typ)	700 cd/m ² or nits
Contrast ratio (full field)	10000:1 (local dimming on) 1100:1 (local dimming off)
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)	802 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
Touch Technology	Clarity Matrix MultiTouch (optional)
Protection	Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (included)
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.

Specification Report Date: 4/9/2020

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