



Clarity Matrix G3 MX46X

LCD Video Wall System

The Clarity® Matrix® G3 MX46X 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 MX46X 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) | 40.3 x 22.7 x 3.6in 1019 x 573 x 91mm |
| Diagonal | 46in 1168.4mm |
| 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) | 165W |
| 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 |

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| 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) | 563 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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Planar utilizes HDMI® standards in this product.

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