



Clarity Matrix G3

Complete LX55M-L 2x2

LCD Video Wall System

The Clarity® Matrix® G3 Complete™ LX55M-L 2x2 is a pre-packaged, ready-to-install, LCD video wall that includes four Full HD Clarity Matrix LX55M video wall displays, cables, trim, mounts, remote power supply with redundancy, and off-board Planar® Video Controller. The 110" video wall delivers 24x7 reliability, 4K resolution, high brightness and the narrowest tiled bezels in the industry.



| SPECIFICATION | DETAIL |
|---|---|
| Technology | Commercial-grade LCD |
| Per Panel Dimensions (Including Mount) | 47.7 x 26.8 x 3.6 in 1211.0 x 687.1 x 91.3 mm |
| Wall Dimensions (WxHxD) (Including Trim and Mount) | 95.5 x 53.8 x 3.6 in 2426.0 x 1367.4 x 91.3 mm |
| Diagonal | 109.4 in 2778.6 mm |
| Native Resolution Panels | 1920 x 1080 |
| Spare Displays Included | 1 |
| Native Resolution Wall | 3840 x 2160 |
| Aspect Ratio | 16:9 |
| Tiled Bezel Width | 0.88 mm .04 in |
| Thermal Expansion Gap Required | 0.4 mm .02 in |
| Wall Power Consumption (max) | 940W (for displays only. Use Clarity Matrix calculator for total system wattage). |
| Rack Components and Cable Power Consumption (max) | 347W |
| Power supply voltage | 100-230V AC ± 10%, 50 to 60 Hz |
| Power Status | Diagnostics LEDs, health monitoring and alerts |
| Per Panel Weight (Including Mount) | 47 lbs 21.1 kg |
| Wall Weight | 199 lbs 90.3 kg |
| Shipping weight | 400 lbs 182 kg |
| Mounted Depth | 3.6in 91.44mm (wall to front of display) |

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|--|---|
| Brightness (typ) | 500 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) | 4x RJ45 8P8C, 1x DisplayPort 1.2 |
| Video Extension built-in | 200ft 60m over STP CAT6 |
| Control | IR Remote Control, RS-232, USB, Network, Planar 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 |
| Acoustic Noise | LCD: <30dBA (fanless), VC: 45dBA, RPS: <40dBA @ 25°C (77°F) |
| Wall Heat Load (max) | 3207 BTU/hr |
| Rack Heat Load (max) | 601 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 |
| Safety regulations | Complies with EN62368-1, FCC Class A, CISPR22/85, CE, EU RoHS |
| Cat6 Cables and Connectors | Cat6a STP (shield twisted pair) cables and connectors are required. |

For more information, please visit www.planar.com

Specifications are subject to change without notice.

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