

# Clarity Matrix MultiTouch MX55HDU-L-ERO-F

## LCD Video Wall System

The Clarity® Matrix® MultiTouch Video Wall is an ultra-slim profile touch screen video wall ideal for public spaces or collaboration environments. Utilizing a touch kit, Clarity® Matrix® MX55HDU-L-ERO-F can be transformed into a Clarity Matrix MultiTouch Video Wall featuring up to 32 touch points. Clarity Matrix MultiTouch with Planar® ERO™ (Extended Ruggedness and Optics™) technology provides a continuous touch surface while increasing durability and optical performance. Clarity Matrix MX55HDU-L-ERO-F features a tiled bezel width of 3.7mm, 800 nits brightness, and the Clarity® Matrix® Fiber Video Extension option, which provides a more secure and longer distance option for extending the video signal.



| SPECIFICATION                   | DETAIL                           |
|---------------------------------|----------------------------------|
| Planar Part Number              | 997-8170-01                      |
| Technology                      | Commercial-grade direct view LCD |
| Diagonal                        | 55 inches                        |
| Aspect Ratio                    | 16:9                             |
| Native Resolution Panels        | 1920 x 1080                      |
| Tiled Bezel Width               | 0.15" (3.7 mm)                   |
| Brightness (typ)                | 800 cd/m <sup>2</sup> or nits    |
| Response Time (typ)             | 8 ms                             |
| Contrast ratio (full field)     | 3500:1                           |
| Full viewing angle              | 178°                             |
| Backlight life (1/2 brightness) | 50,000 Hrs                       |
| Mounted Depth                   | 3.8" wall to front of screen     |
| Acoustic Noise                  | Fanless operation                |
| Heat load                       | 747 BTU per hour at 500 nit      |
| Operating temperature range     | 5 - 40 Degrees C                 |
| Operating humidity range        | 20-90% RH non-condensing         |

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|---|--|
| <b>Backlight control</b>                      | Individual and wall control  |
| <b>Backlight sensing and reporting</b>        | At display level   |
| <b>Display module position sensing</b>        | Auto-sensing integrated  |
| <b>Power Consumption (typ)</b>                | 230 watts  |
| <b>Power supply voltage</b>                   | 100-230V AC $\pm$ 10%, 50-60 Hz  |
| <b>Power Status</b>                           | Diagnostics LEDs, health monitoring and alerts   |
| <b>Safety regulations</b>                     | Complies with EN60950, FCC Class A, CISPR22/85, CE, EU RoHS  |
| <b>Data Inputs</b>                            | 4 Single Link DVI Inputs, 1 Dual Link DVI Input  |
| <b>Control</b>                                | IR Remote, RS232, Ethernet (optional)  |
| <b>Per Panel Dimensions (Including Mount)</b> | 47.81" x 26.98" x 3.7" (1214.4 mm x 685.3 mm x 94.0 mm)  |
| <b>Per Panel Weight (Including Mount)</b>     | 74 lbs (33.57 kg)  |
| <b>Shipping weight</b>                        | 170 lbs (77.11 kg)   |
| <b>Touch Options</b>                          | Clarity Matrix MultiTouch Kits: MT6-6 Simultaneous Touch Points; MT32-32 Simultaneous Touch Points                   |
| <b>Touch Frame Dimensions</b>                 | 2.6" x 2.6" x 4.6" (66.1 x 66.1 x 116.8)   |
| <b>Power for Touch System</b>                 | 100-240V AC, 50-60 Hz  |
| <b>OS Compatibility</b>                       | Windows 8, Windows XP, Mac OS X, Android (limited to iStick), Linux  |
| <b>Fiber Video Extension Module Option</b>    | 1 RU rack mount module drives up to 4 panels.  |
| <b>Fiber Video Extension Module Outputs</b>   | SFP multi-mode transceivers supports distances up to 300m from wall. Single-mode compatible up to 10k from the wall. |
| <b>UPC</b>                                    | 8 10689 00270 3  |

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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