



Clarity Matrix MultiTouch MX46HDU-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® MX46HDU-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 MX46HDU-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 | 997-8140-01 |
| Technology | Commercial-grade direct view LCD |
| Diagonal | 46 inches |
| Aspect Ratio | 16:9 |
| Native Resolution Panels | 1920 x 1080 |
| Tiled Bezel Width | 0.15" (3.7 mm) |
| Brightness (typ) | 800 cd/m ² or nits |
| Response Time (typ) | 8 ms |
| Contrast ratio (full field) | 4000:1 |
| Full viewing angle | 178° |
| Backlight life (1/2 brightness) | 50,000 Hrs |
| Mounted Depth | 3.7" wall to front of screen |
| Acoustic Noise | Fanless operation |
| Heat load | 556 BTU per hour at 800 nit |
| Operating temperature range | 5 - 40 Degrees C |
| Operating humidity range | 20-90% RH non-condensing |

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| Backlight control | Individual and wall control |
| Backlight sensing and reporting | At display level |
| Display module position sensing | Auto-sensing integrated |
| Power Consumption (typ) | 175 watts |
| Power supply voltage | 100-230V AC \pm 10%, 50-60 Hz |
| Power Status | Diagnostics LEDs, health monitoring and alerts |
| Safety regulations | Complies with EN60950, FCC Class A, CISPR22/85, CE, EU RoHS |
| Data Inputs | 4 HDMI inputs, 1 DisplayPort input |
| Control | IR Remote, RS232, Ethernet (optional) |
| Per Panel Dimensions (Including Mount) | 40.27" x 22.8" x 3.7" (1022.86 mm x 579.12 mm x 93.98 mm) |
| Per Panel Weight (Including Mount) | 58 lbs (26.3 kg) |
| Touch Options | Clarity Matrix MultiTouch Kits: MT6-6 Simultaneous Touch Points; MT32-32 Simultaneous Touch Points |
| Touch Frame Dimensions | 2.6" x 2.6" x 4.7" (66.1 x 66.1 x 118.8) |
| Power for Touch System | 100-240V AC, 50-60 Hz |
| OS Compatibility | Windows 8, Windows XP, Mac OS X, Android (limited to iStick), Linux |
| Fiber Video Extension Module Option | 1 RU rack mount module drives up to 4 panels. |
| 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. |
| UPC | 8 10689 00274 1 |

For more information, please visit www.planar.com

Specifications are subject to change without notice.

Specification Report Date: 6/23/2018

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