

# Clarity Matrix

## MX46HDX-ERO

### LCD Video Wall System

The Clarity® Matrix® MX46HDX-ERO is an extreme narrow bezel 46" LCD video wall display that provides outstanding tiled visual performance, supports extended operation, and requires minimal installation space. Designed for 24x7 operation, Clarity Matrix MX46HDX-ERO features 800 nits brightness, LED backlight technology, Planar® ERO™ (Extended Ruggedness and Optics™) technology and Full HD resolution making it the ideal video wall for high-impact, mission-critical applications. Clarity Matrix MX46HDX-ERO sets a new benchmark with a tiled bezel width of a mere 1.7mm, creating a near seamless digital canvas.



SPECIFICATION	DETAIL
<b>Planar Part Number</b>	997-8997-00
<b>Technology</b>	Commercial-grade direct view LCD
<b>Diagonal</b>	46 inches
<b>Aspect Ratio</b>	16:9
<b>Native Resolution Panels</b>	1920 x 1080
<b>Tiled Bezel Width</b>	0.06" (1.7 mm)
<b>Brightness (typ)</b>	800 cd/m <sup>2</sup> or nits
<b>Response Time (typ)</b>	8 ms
<b>Contrast ratio (full field)</b>	4000:1
<b>Full viewing angle</b>	178°
<b>Backlight life (1/2 brightness)</b>	50,000 Hrs
<b>Mounted Depth</b>	3.7" wall to front of screen
<b>Acoustic noise</b>	Fanless operation
<b>Heat load</b>	480 BTU per hour at 800 nit
<b>Operating temperature range</b>	5 - 40 Degrees C
<b>Operating humidity range</b>	20-90% RH non-condensing
<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>	141 watts
<b>Power supply voltage</b>	100-230V AC ± 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 HDMI inputs, 1 DisplayPort input
<b>Control</b>	IR Remote, RS232, Ethernet (optional)
<b>Per Panel Dimensions (Including Mount)</b>	40.27" x 22.8" x 3.7" (1022.9 mm x 579.1 mm x 93.98 mm)
<b>Per Panel Weight (Including Mount)</b>	70 lbs (32 kg)
<b>UPC</b>	
<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 4.7" (66.1 x 66.1 x 118.8)
<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

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

*Specifications are subject to change without notice.*

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