



# Clarity Matrix G2

## MX46HDX-F

### LCD Video Wall System

For government and military customers delivering highly sensitive information, the Clarity® Matrix® MX46HDX-F features the Clarity® Matrix® Fiber Video Extension option to provide a more secure and longer distance option for extending the video signal from the Clarity Matrix off-board electronics to Clarity® Matrix® LCD video wall displays. The Clarity Matrix Fiber Video Extension provides integrated video extension over standard multi-mode or single-mode fiber optic cable. The Clarity Matrix Fiber Video Extension also incorporates an embedded USB extension in the fiber optic cable, eliminating the need for a third-party USB extender.



SPECIFICATION	DETAIL
Planar Part Number	997-8999-00
Technology	Commercial-grade direct view LCD
Diagonal	46 inches
Aspect Ratio	16:9
Native Resolution Panels	1920 x 1080
Tiled Bezel Width	0.06" (1.7 mm)
Brightness (typ)	800 cd/m <sup>2</sup> 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	3.6" wall to front of screen
Acoustic Noise	Fanless operation
Heat load	522 BTU per hour at 800 nit
Operating temperature range	5 - 40 Degrees C
Operating humidity range	20-90% RH non-condensing
Backlight control	Individual and wall control
Backlight sensing and reporting	At display level

<b>Display module position sensing</b>	Auto-sensing integrated
<b>Power Consumption (typ)</b>	153 watts
<b>Power supply voltage</b>	100-230V AC ± 10%, 50 to 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 HDMI inputs, 1 DisplayPort input
<b>Control</b>	IR Remote, RS232, Ethernet (optional)
<b>Per Panel Dimensions (Including Mount)</b>	40.15" x 22.64" x 3.58" (1020 mm x 575 mm x 91 mm)
<b>Per Panel Weight (Including Mount)</b>	57 lbs (19.1 kg)
<b>Shipping weight</b>	142 lbs (64.4 kg)
<b>Touch Options</b>	Clarity Matrix MultiTouch Kits
<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>	

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

*Specifications are subject to change without notice.*

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