



Clarity Matrix

MX46HDU-L-F

LCD Video Wall System

For government and military customers delivering highly sensitive information, the Clarity® Matrix™ Fiber Video Extension option provides 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	997-8137-01
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)	3500:1
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	520 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

Display module position sensing	Auto-sensing integrated
Power Consumption (typ)	175 watts
Power supply voltage	100-230V AC \pm 10%, 50 to 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 Single Link HDMI inputs, 1 DisplayPort input
Control	IR Remote, RS232, Ethernet (optional)
Per Panel Dimensions (Including Mount)	40.24" x 22.70" x 3.6" (1022.1 mm x 576.6 mm x 91.4 mm)
Per Panel Weight (Including Mount)	42 lbs (19.1 kg)
Shipping weight	142 lbs (64.4 kg)
Touch Options	Clarity Matrix MultiTouch Kits
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 00271 0

For more information, please visit www.planar.com

Specifications are subject to change without notice.

Specification Report Date: 1/14/2016

© Copyright 2016 Planar Systems, Inc. All rights reserved