The Clarity® Matrix® G3 MX46U is a 46” LCD video wall display with a tiled bezel width of 3.7mm that provides a nearly seamless digital canvas, outstanding tiled visual performance, extended operation and requires minimal installation space. Designed for 24x7 operation, the Clarity Matrix G3 MX46U features 800 nits brightness, LED backlight technology and Full HD resolution— making it the ideal video wall for high-impact, mission-critical applications.

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>DETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>Commercial-grade LCD</td>
</tr>
<tr>
<td>Per Panel Dimensions (Including Mount)</td>
<td>40.2 x 22.7 x 3.6in</td>
</tr>
<tr>
<td>Diagonal</td>
<td>46in</td>
</tr>
<tr>
<td>Native Resolution Panels</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Tiled Bezel Width</td>
<td>0.15in</td>
</tr>
<tr>
<td>Thermal Expansion Gap Required</td>
<td>0.4 mm</td>
</tr>
<tr>
<td>Power Consumption (max/display)</td>
<td>140W</td>
</tr>
<tr>
<td>Power supply voltage</td>
<td>100-230V AC ± 10%, 50 to 60 Hz</td>
</tr>
<tr>
<td>Power Status</td>
<td>Diagnostics LEDs, health monitoring and alerts</td>
</tr>
<tr>
<td>Per Panel Weight (Including Mount)</td>
<td>40lb</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>148 lbs</td>
</tr>
<tr>
<td>Mounted Depth</td>
<td>3.6in</td>
</tr>
<tr>
<td>Brightness (typ)</td>
<td>800 cd/m² or nits</td>
</tr>
<tr>
<td>Contrast ratio (full field)</td>
<td>4000:1</td>
</tr>
<tr>
<td>Response Time (typ)</td>
<td>8 ms</td>
</tr>
<tr>
<td>Full viewing angle</td>
<td>178°</td>
</tr>
<tr>
<td>Video Inputs (Controller)</td>
<td>4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2</td>
</tr>
<tr>
<td>Video Outputs (Controller)</td>
<td>9-Output Controller: 9x RJ45 8P8C, 1x DisplayPort 1.2</td>
</tr>
<tr>
<td></td>
<td>4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2</td>
</tr>
<tr>
<td>Feature</td>
<td>Specification</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>----------------------------------------------------</td>
</tr>
<tr>
<td>Video Extension built-in</td>
<td>200ft</td>
</tr>
<tr>
<td>Control</td>
<td>IR Remote Control, RS-232, USB, Network, Leyard WallDirector Software</td>
</tr>
<tr>
<td>Sync</td>
<td>Mini BNC In/Out</td>
</tr>
<tr>
<td>Backlight control</td>
<td>Individual and wall control</td>
</tr>
<tr>
<td>Backlight sensing and reporting</td>
<td>At display level</td>
</tr>
<tr>
<td>Display module position sensing</td>
<td>Auto-sensing integrated</td>
</tr>
<tr>
<td>Backlight life (1/2 brightness)</td>
<td>50,000 Hrs</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Offboard</td>
</tr>
<tr>
<td>Wall Mount</td>
<td>Planar® EasyAxis™ Mounting System</td>
</tr>
<tr>
<td>Acoustic Noise</td>
<td>LCD: &lt;30dBA (fanless), VC: 45dBA, RPS: &lt;40dBA @ 25°C (77°F)</td>
</tr>
<tr>
<td>Heat Load (max/display)</td>
<td>477 BTU/hr</td>
</tr>
<tr>
<td>Operating Temperature/Humidity (degrees F/C, relative humidity)</td>
<td>5° to 40° C / 20-90% RH</td>
</tr>
<tr>
<td>Orientation</td>
<td>Landscape or Portrait</td>
</tr>
<tr>
<td>Safety regulations</td>
<td>Complies with EN60950, FCC Class A, CISPR22/85, CE, EU RoHS</td>
</tr>
<tr>
<td>Touch Technology</td>
<td>Clarity Matrix MultiTouch (optional)</td>
</tr>
<tr>
<td>Protection</td>
<td>Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (optional)</td>
</tr>
<tr>
<td>Fiber Video Extension Module Option</td>
<td>1 RU rack mount module drives up to 4 displays</td>
</tr>
<tr>
<td>Fiber Video Extension Module Outputs</td>
<td>SFP multi-mode transceivers supports distances up to 300m from wall</td>
</tr>
</tbody>
</table>

For more information, please visit www.planar.com

Specifications are subject to change without notice.
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