

# P I 6 L E D S M D P E R I M E T E R S Y S T E M

<b>LED Component</b>	<b>Primary Colour</b>	<b>Quantity</b>	<b>Package Type</b>	<b>Chromaticity Coordinates</b>	<b>Luminour Intensity (mcd)</b>	<b>Viewing Angle (Horizontal)</b>	<b>Viewing Angle (Vertical)</b>
	Red	1	Nichia M016CT	0.700,0.299	700	120	110
	Green			0.189,0.718	1200		
	Blue			0.133,0.075	400		
<b>LED Pixel Card or LED Board</b>	<b>Physical Pitch (mm)</b>	<b>Physical Pixel Configuration (W * H)</b>	<b>PCB Dimensions W * H (mm)</b>	<b>Max Power Consumption (Watt Per Card)</b>	<b>Average Power Consumption (Watt Per Card)</b>		
	16	16 x 16	256 * 256	100	35		
<b>Display Module</b>	<b>Pixel Card Configuration W * H</b>	<b>Physical Pixel Configuration W * H</b>	<b>Module Dimensions W x H x T (mm)</b>	<b>Display Area (m<sup>2</sup>)</b>	<b>Module Weight (kg)</b>	<b>Max Power Consumption (Watt Per Module)</b>	<b>Average Power Consumption (Watt Per Module)</b>
	5 * 4	80 * 64	1280 * 1024 * 280	1.31	65	2000	750
	<b>Temperature Range inside Module (8c)</b>	<b>Relative Humidity Range inside module (RH%)</b>	<b>Packing Dimensions W * H * D (mm)</b>	<b>Packing Gross Weight, with Carton (kg)</b>			
	0°C ~ +45°C	R.H.50% ~ 85% No Condensation	1325 * 1069 * 350 None stackable flight case	68			
<b>LED Display</b>	<b>Physical Pixel Density (dot/m<sup>2</sup>)</b>	<b>Brightness at 100% Intensity White (cd/m<sup>2</sup>)</b>	<b>Contrast at 800 Lux Illumination Level</b>	<b>White Colour Temperature (k)</b>	<b>Primary Colour Greyscale Levels</b>	<b>Colour Reproduction</b>	
	3,906	>5000	8000:1	Adjustable 5500 ~ 8500	256 levels for each primary colour	16.6 million colours	
	<b>Colour Processing Depth (bit)</b>	<b>g Correction Depth (bit)</b>	<b>Luminous Brightness Control Levels (Auto or Manual)</b>	<b>Refresh Rate (Hz)</b>	<b>Image Frame Speed f/s</b>	<b>LED Driving Circuit Mode</b>	<b>Pixel Array Driving Strategy</b>
	15	variable	100 levels	2400	60	Constant Current Mode	Static
	<b>Imaging Technology</b>	<b>Average Power Consumption (watt/m<sup>2</sup>)</b>	<b>Max Power Consumption (watt/m<sup>2</sup>)</b>	<b>Power Supply Rating</b>	<b>Certification Options for Safety Parts</b>	<b>Operation Temperature Range (°C)</b>	<b>Operation Humidity Range</b>
	Real Pixel Mechanism	550	1550	220v 50/60Hz	UL / CE / CCC	-5°C ~ +55°C Air Conditioning is required to sustain a proper environment	R.H/ 20% ~ 95% No Condensation
	<b>Ingress Protection</b>	<b>Transmitter to Receiver Connection Distance</b>					
	Rear: IP54 Front: IP65	Cat 5 UTP: 100m Multi-Mode Fiber: 500m Single Mode Fiber: 15,000m					