

# P8 Outdoor LED Module

MW7780-MO-H1



## Features

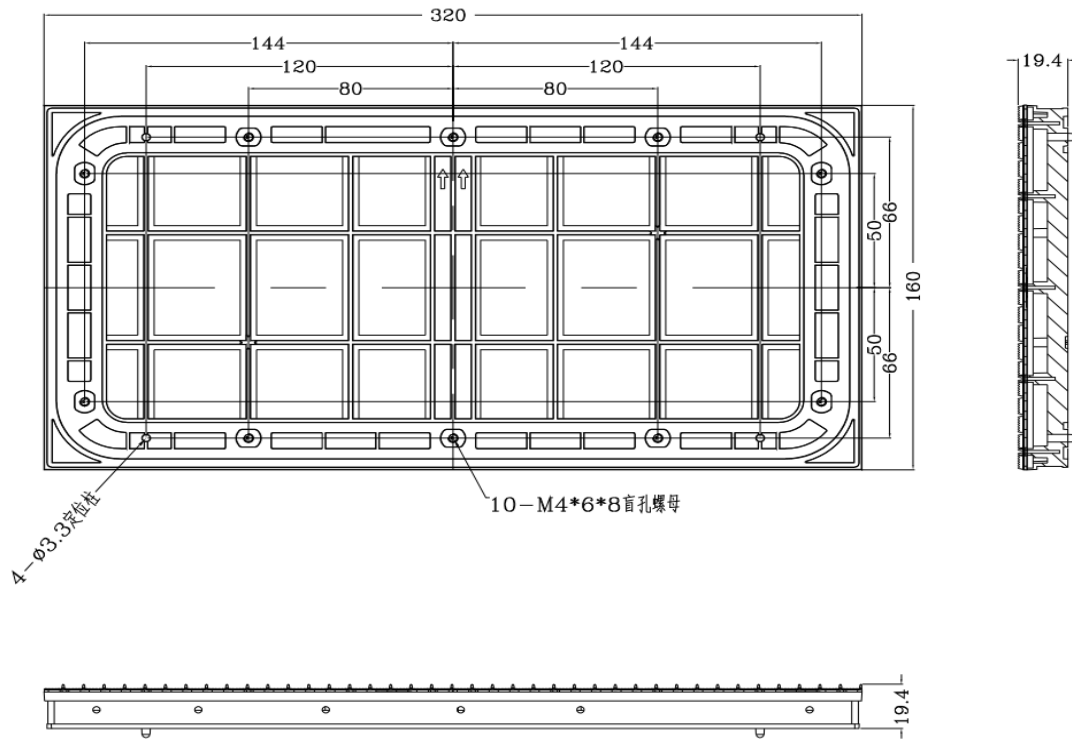
- The R, G, B dies are encapsulated together to form a single pixel, delivering excellent color mixing effect and uniformity.
- Integrates lamp board and drive board for even current distribution, low power consumption, and fast heat dissipation.
- High brightness, low attenuation, high reliability, and high weather resistance.
- Matte black cover with a special pattern design presents high contrast.
- The PCB surface of the module is properly treated to prevent moisture, water, and corrosion. The module adopts a PC engineering plastic bottom shell, undergoes waterproof treatment with AB potting glue and anti-UV treatment, and uses hermetic surface, reaching IP65 waterproof rating.
- Long lifetime.
- Ultra-wide viewing angle ensures satisfactory viewing experience from diversified angles.

## Specifications

Module	Description
Pixel Pitch	P8

Module Resolution (W x H)	40 x 20
Module Dimensions (mm)	320 x 160 x 19.4
<b>Processing Image</b>	<b>Description</b>
Single Pixel Brightness Correction	Support
Single Pixel Color Correction	Support
Brightness (nits)	4500
Color Temperature (K)	3500 to 9000
Viewing Angle (H/V)	120°/120°
Center Distance Deviation of LED	<3%
Brightness Uniformity	≥97%
Color Uniformity (Cx, Cy)	±0.003
Contrast Ratio	3000 : 1
<b>Processing performance</b>	<b>Description</b>
Pixel Density (pitch/m <sup>2</sup> )	15625
Grayscale	14bit
Scanning Mode	5 S
Drive Mode	Constant current driving
Refresh Rate (Hz)	≥3840
Frame Frequency (Hz)	50/60
<b>Electrical</b>	<b>Description</b>
Power Supply	DC 4.5 V
Average Power Consumption (W/m <sup>2</sup> )	240
Max. Power Consumption (W/m <sup>2</sup> )	800
<b>General</b>	<b>Description</b>
Unit Board Signal Interface	HUB75
Ingress Protection	IP65
Weight (Kg/pcs)	0.45 ±0.02
Operating Temperature	-20°C to 50°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Temperature	-40°C to 60°C
Storage Humidity	10% to 90% RH, non-condensing
LED Lifetime (h)	100000

## Dimensions



## Ordering Info

Product Model	Description
MW7780-MO-H1	P8 Outdoor LED Module

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