

P2.0 Indoor Fine Pixel LED Display

MW7720-MI-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 refresh rate driver IC presents delicate and smooth images.
- High brightness and high reliability.
- High contrast with full black lamp.
- Long lifetime.
- Ultra-wide viewing angle ensures satisfactory viewing experience from diversified angles.

Specifications

Model	MW7720-MI-H1
Module	
Pixel Pitch	P2.0
Module Resolution (W × H)	160 × 80
Module Dimensions (mm)	320 × 160
Signal Source Interface	HUB75
Processing Image	
Single Pixel Brightness Correction	Support
Single Pixel Color Correction	Support
Brightness (nits)	450
Color Temperature (K)	2000 to 9300 adjustable
Viewing Angle (H/V)	140°/140°
Center Distance Deviation of LED	< 3%

Brightness Uniformity	≥ 97%
Color Uniformity (Cx, Cy)	±0.003
Contrast Ratio	≥ 5000:1
Processing performance	
Pixel Density (pitch/m ²)	250000
Surface Evenness (mm)	≤ 0.2
Grayscale	12 bit
Scanning Mode	40 S
Drive Mode	Constant current driving
Refresh Rate (Hz)	3840
Electrical	
Power Supply	DC 4.5 V
Average Power Consumption (W/m ²)	200
Max. Power Consumption (W/m ²)	600
General	
Ingress Protection	IP30
Weight (kg/pcs)	0.45±0.1
Operating Temperature	-10°C to 45°C
Operating Humidity	10% to 80% RH, non-condensing
Storage Temperature	-20°C to 55°C
Storage Humidity	10% to 85% RH, non-condensing
LED Lifetime (h)	50000

Ordering Info

Product Model	Description
MW7720-MI-H1	P2.0 Indoor Fine Pixel LED Display

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