

# P3.0 Indoor Fine Pixel LED Display

MW7730-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                              | MW7730-MI-H2            |
| Module                             |                         |
| Pixel Pitch                        | P3.076                  |
| Module Resolution (W × H)          | 104 × 52                |
| 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/m²)         | 111111                        |
| Surface Evenness (mm)            | ≤ 0.2                         |
| Grayscale                        | 12 bit                        |
| Scanning Mode                    | 26 S                          |
| Drive Mode                       | Constant current driving      |
| Refresh Rate (Hz)                | 3840                          |
| Electrical                       |                               |
| Power Supply                     | DC 4.5 V                      |
| Average Power Consumption (W/m²) | 200                           |
| Max. Power Consumption (W/m²)    | 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                        |
|---------------|------------------------------------|
| MW7730-MI-H1  | P3.0 Indoor Fine Pixel LED Display |

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