

# Indoor LED Display Module

MW7712-MI-H1C



MW7712-MI-H1C Indoor LED Display Module

## Features

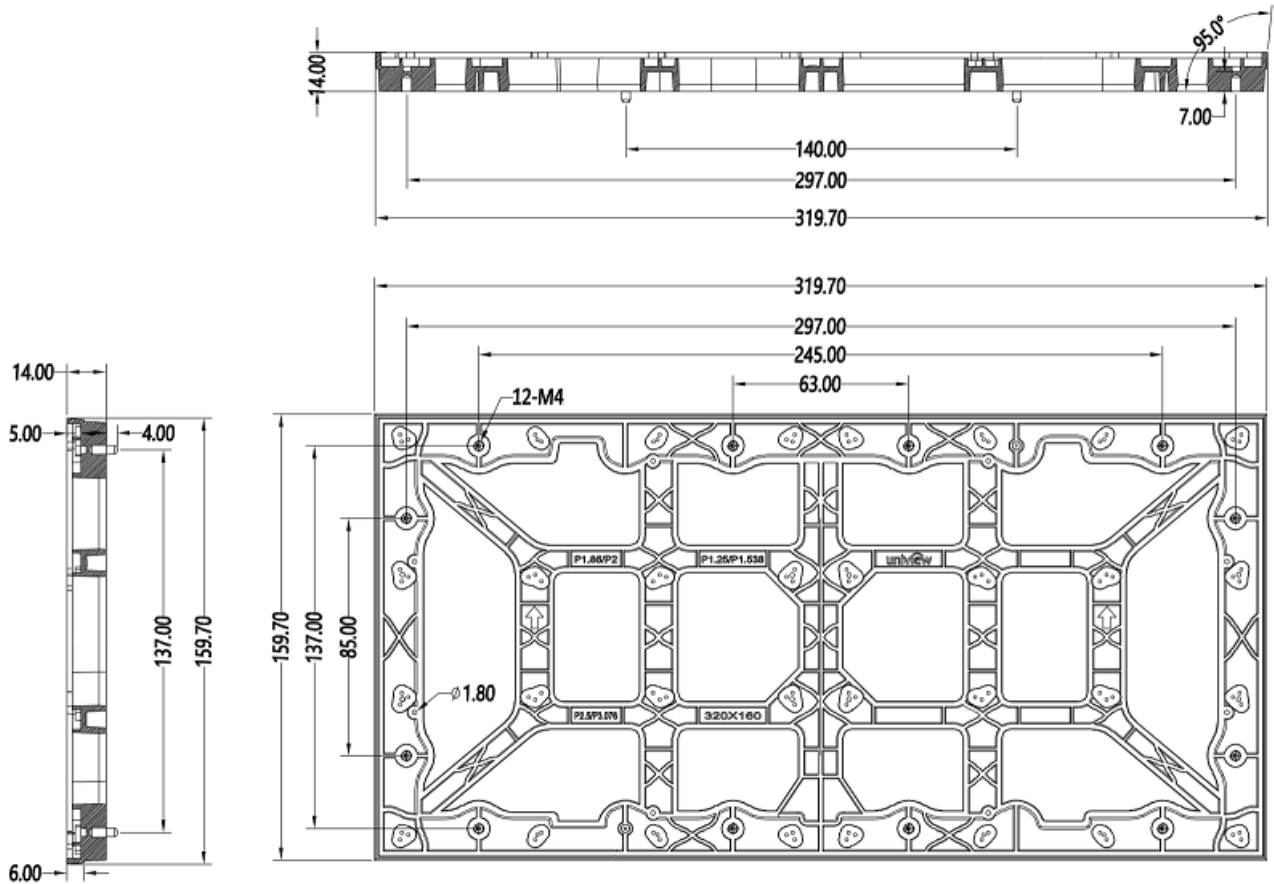
- The R, G, B dies are encapsulated together to form a single pixel, delivering excellent color mixing effect and uniformity.
- Integrates lamp board and drive board for even current distribution, low power consumption, and fast heat dissipation.
- High refresh rate driver IC presents delicate and smooth 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                                 | MW7712-MI-H1C |
| Module                                |               |
| LED encapsulation                     | SMD1010       |
| Pixel pitch (mm)                      | 1.25          |
| Resolution                            | 256*128       |
| Dimensions (W*H*D) (mm)               | 320*160*17    |
| Pixel density (pitch/m <sup>2</sup> ) | 640000        |
| Evenness (mm)                         | ≤0.2          |
| Weight (kg/pcs)                       | 0.46          |

| Optical                                       |                              |
|---|------------------------------|
| Brightness (nits)                             | ≥500                         |
| Color temperature (K)                         | 2000 to 9300                 |
| Viewing angle (H/V)                           | 140°/140°                    |
| Center distance deviation of LED              | <3%                          |
| Brightness uniformity                         | ≥95%                         |
| Color uniformity                              | ±0.003Cx,Cy                  |
| Contrast ratio                                | 5000:1                       |
| Processing performance                        |                              |
| Grayscale (bit)                               | 14                           |
| Scanning mode (s)                             | 64                           |
| Drive mode                                    | Constant current driving     |
| Frame frequency (Hz)                          | 50/60                        |
| Refresh rate (Hz)                             | 3840                         |
| Electrical                                    |                              |
| Power supply (V)                              | DC 4.5                       |
| Average power consumption (W/m <sup>2</sup> ) | 180                          |
| Max. power consumption (W/m <sup>2</sup> )    | 600                          |
| General                                       |                              |
| Unit board signal interface                   | HUB320                       |
| Operating temperature                         | -10 to 40°C                  |
| Operating humidity                            | 10 to 60% RH, non-condensing |
| Storage temperature                           | -20 to 60°C                  |
| Storage humidity                              | 10 to 65% RH, non-condensing |
| LED lifetime (H)                              | ≥50000                       |

## Dimensions



Unit: mm

## Ordering Information

| Model         | Remarks                   |
|---------------|---------------------------|
| MW7712-MI-H1C | Indoor LED Display Module |

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