

# Product Brief

## YZ238MAU10-V0

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

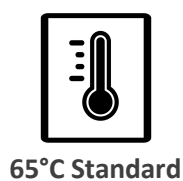
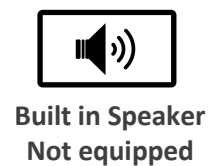
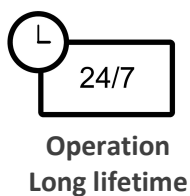
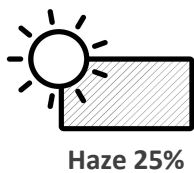
Approved by : Boen Liu

## Document History

| Doc Version | Date       | Description           | Issued by |
|-------------|------------|-----------------------|-----------|
| 1.0         | 2026-01-01 | Standard model / UD01 | Sam Wu    |
|             |            |                       |           |
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## Product Features

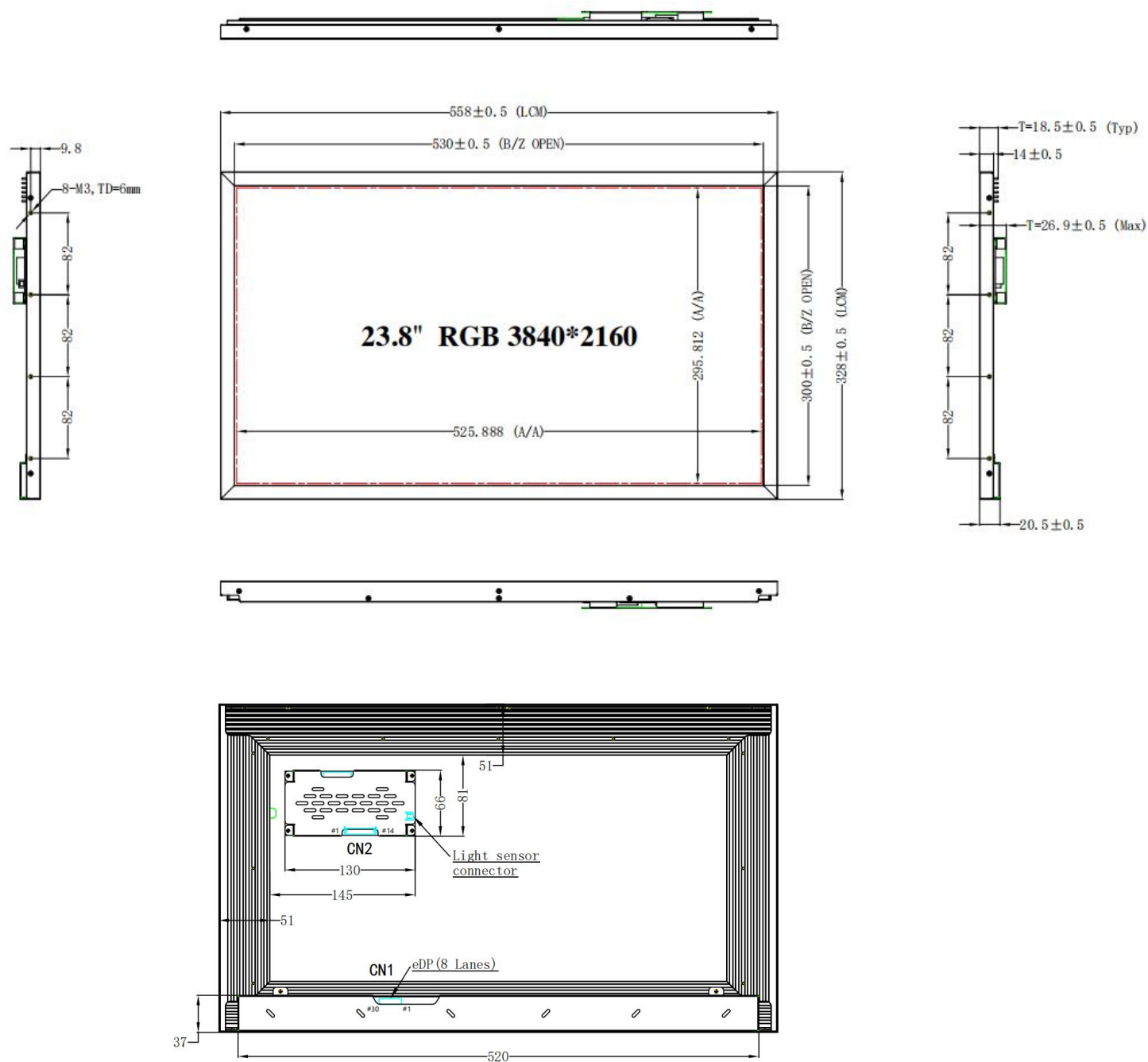
- It is one of ultra-bright LCD modules with outdoor usage
- 23.8 inch 4K & 1000 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required to meet the needs of military and medical application scenarios.



## General Features

| Item content                    |                        | Specifications                                |
|---------------------------------|------------------------|-----------------------------------------------|
| Display Parameters              | Resolution             | 3840(RGB) * 2160(FUD)                         |
|                                 | Active area            | 525.888mm(H) * 295.812mm(V)                   |
|                                 | Pixel pitch            | 0.13695mm(H) * 0.13695mm(V)                   |
|                                 | Display colors         | 8-bit(D) + FRC & 1.07 Billion colors          |
|                                 | Backlight type         | ELED                                          |
|                                 | Response time          | 14ms (G to G) (Typ.)                          |
|                                 | Luminance              | 1000cd/m <sup>2</sup> (Typ.) ±5%              |
|                                 | Contrast ratio         | 1,300 : 1 (Typ.) & 95% (NTSC) (Est.)          |
|                                 | Refresh rate           | 60Hz (Best)                                   |
|                                 | Dimming mode           | Manual / Automatic & 25% - 100%               |
|                                 | Viewing angle          | +89/-89(H) & +89/-89(V) (Typ.) (CR≥10)        |
|                                 | MTBF                   | 50,000 Hours                                  |
| Touch panel<br>&<br>cover glass | Touch scheme           | /                                             |
|                                 | Touch type             | /                                             |
|                                 | Support points         | /                                             |
|                                 | Transmittance          | /                                             |
|                                 | Function               | /                                             |
|                                 | Thickness              | /                                             |
|                                 | Impact protection      | /                                             |
|                                 | Fitting method         | /                                             |
| Required parameters             | Open cell              | MV238QUB-N20 & 65°C (Surface)                 |
|                                 | Casing color           | White aluminum                                |
|                                 | Power supply           | /                                             |
|                                 | Fans                   | /                                             |
|                                 | Power consumption      | 57W (Typ.) ±5%                                |
|                                 | Overall dimensions     | 558.00mm(H) * 328.00mm(V) * 26.90mm(D) (Typ.) |
|                                 | Weight                 | 3.2kg ±0.2                                    |
|                                 | Motherboard            | /                                             |
|                                 | Board connectivity     | /                                             |
|                                 | OS                     | /                                             |
|                                 | IP rating front/rear   | None / None                                   |
|                                 | TEMP operating/storage | 0°C~50°C / -20°C~60°C                         |
|                                 | Humidity               | ≤90%                                          |
|                                 | Warranty               | 24 months                                     |

## Drawing



## Definition

**CN101 Module Side Connector STM MSAK24025P30 or Equivalent**

| Pin No | Symbol | Function                             | Remark |
|--------|--------|--------------------------------------|--------|
| 1      | VDD    | Power Supply (10.0V)                 |        |
| 2      | VDD    | Power Supply (10.0V)                 |        |
| 3      | VDD    | Power Supply (10.0V)                 |        |
| 4      | VDD    | Power Supply (10.0V)                 |        |
| 5      | VDD    | Power Supply (10.0V)                 |        |
| 6      | GND    | Ground                               |        |
| 7      | GND    | Ground                               |        |
| 8      | NC     | No connection                        |        |
| 9      | NC     | No connection                        |        |
| 10     | GND    | Ground                               |        |
| 11     | HPD    | Hot Plug Detection Signal            |        |
| 12     | GND    | Ground                               |        |
| 13     | DAUXN  | Negative Signal for Auxiliary Chanel |        |
| 14     | DAUXP  | Positive Signal for Auxiliary Chanel |        |
| 15     | GND    | Ground                               |        |
| 16     | DRX0P  | Positive Signal For eDP Lane0        |        |
| 17     | DRX0N  | Negative Signal For eDP Lane0        |        |
| 18     | GND    | Ground                               |        |
| 19     | DRX1P  | Positive Signal For eDP Lane1        |        |
| 20     | DRX1N  | Negative Signal For eDP Lane1        |        |
| 21     | GND    | Ground                               |        |
| 22     | DRX2P  | Positive Signal For eDP Lane2        |        |
| 23     | DRX2N  | Negative Signal For eDP Lane2        |        |
| 24     | GND    | Ground                               |        |
| 25     | DRX3P  | Positive Signal For eDP Lane3        |        |
| 26     | DRX3N  | Negative Signal For eDP Lane3        |        |
| 27     | GND    | Ground                               |        |
| 28     | GND    | Ground                               |        |
| 29     | NC     | No connection                        |        |
| 30     | BIST   | BIST Function                        | BIST   |

Note 1: H: White-Black-Red-Green-Blue Pattern Aging, L: Black Pattern, when no eDP signal.

Note 2: All GND pin should be connected together with Ground.

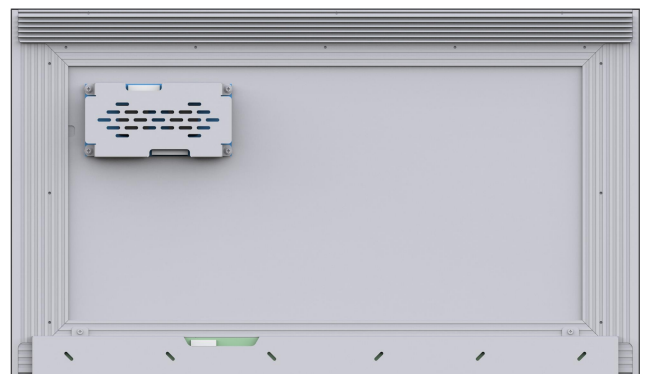
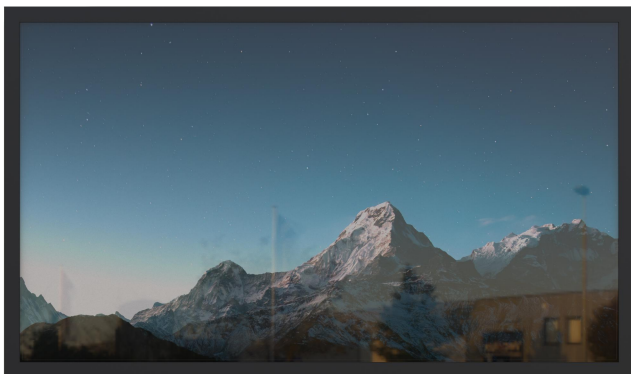
**CN2 (PH2.0X14)**

| PIN | Symbol | Description               | note |
|-----|--------|---------------------------|------|
| 1   | VCC    | Power supply voltage +24V |      |
| 2   | VCC    | Power supply voltage +24V |      |
| 3   | VCC    | Power supply voltage +24V |      |
| 4   | VCC    | Power supply voltage +24V |      |
| 5   | VCC    | Power supply voltage +24V |      |
| 6   | GND    | Power ground              |      |
| 7   | GND    | Power ground              |      |
| 8   | GND    | Power ground              |      |
| 9   | GND    | Power ground              |      |
| 10  | GND    | Power ground              |      |
| 11  | NC     |                           |      |
| 12  | ON/OFF | Output enable signal      |      |
| 13  | DIM    | Dimming signal            |      |
| 14  | PWM    | Dimming signal            |      |

## Packing Details

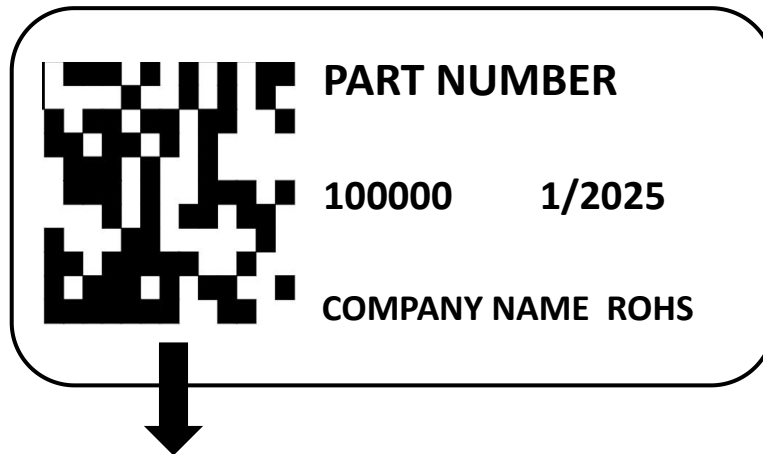
| Item content                                                     |                    | Specifications                                    |
|------------------------------------------------------------------|--------------------|---------------------------------------------------|
| <b>Sample</b><br>Eco-friendly Wooden                             | Package dimensions | 730.00mm(H) * 610.00mm(V) * 340.00mm(D) (Typ.)    |
|                                                                  | Packaging quantity | 1pcs / 5pcs                                       |
|                                                                  | Gross weight       | 24.7kg / 37.5kg ±5%                               |
| <b>40pcs / A Pallet</b><br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 670.00mm(H) * 900.00mm(V) * 1120.00mm(D) (Typ.)   |
|                                                                  | Packaging quantity | 40pcs                                             |
|                                                                  | Gross weight       | 140kg                                             |
|                                                                  | Pallet dimensions  | 675.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)   |
|                                                                  | Pallet weight      | 10kg                                              |
|                                                                  | Totally dimensions | 675.00mm(H) * 1020.00mm(V) * 1135.00mm(D) (Typ.)  |
|                                                                  | Totally weight     | 150kg ±5%                                         |
| <b>80pcs / A Pallet</b><br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 1340.00mm(H) * 900.00mm(V) * 1120.00mm(D) (Typ.)  |
|                                                                  | Packaging quantity | 80pcs                                             |
|                                                                  | Gross weight       | 280kg                                             |
|                                                                  | Pallet dimensions  | 1345.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)  |
|                                                                  | Pallet weight      | 20kg                                              |
|                                                                  | Totally dimensions | 1345.00mm(H) * 1020.00mm(V) * 1135.00mm(D) (Typ.) |
|                                                                  | Totally weight     | 300kg ±5%                                         |

## More Image

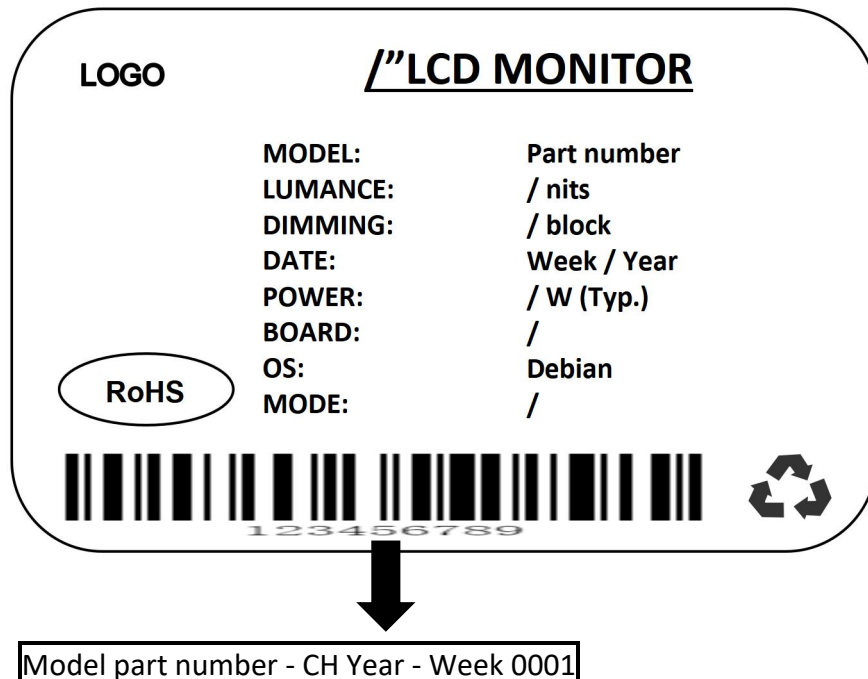


## Appendix

### Serial Label



| Field N°1<br>12 digits | Field N°2<br>P/N | Field N°3<br>EMS code | Field N°4<br>N°OF |
|------------------------|------------------|-----------------------|-------------------|
| Sxxxx1000001           | Part number      | CN518115              | OF100000          |



Model part number - CH Year - Week 0001