YZD Solutions

# Product Brief

# YZ215MBH10H-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 / CD02 | Sam Wu |
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## Product Features

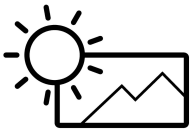
·It is one of ultra-bright LCD modules with outdoor usage

·21.5 inch 1080P & 1000 nits

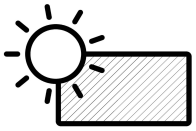
·Series: MD & outdoor aluminum structure & landscape / portrait mode

·Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions

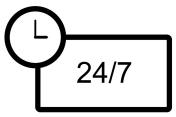
·Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 25%




Operation
Long lifetime

Built in Speaker
Not equipped

Multi touch
Not equipped

AD Board
Not equipped

105°C Hi-Tni

3H

IP65
Not support

Mini-Led 30% - 50%
Energy savings
Not support

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# General Features

| Item content | | Specifications |
|---|---|---|
| Display Parameters | Resolution | 1920(RGB) * 1080(FHD) |
| | Active area | 476.64mm(H) * 268.11mm(V) |
| | Pixel pitch | 0.24825mm(H) * 0.24825mm(V) |
| | Display colors | 8-bit(D) & 16.7 Million colors |
| | Backlight type | ELED |
| | Response time | 14ms (G to G) (Typ.) |
| | Luminance | 1000cd/m² (Typ.) ±5% |
| | Contrast ratio | 1,000 : 1 (Typ.) & 72% (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 & cover glass | Touch scheme | / |
| | Touch type | / |
| | Support points | / |
| | Transmittance | / |
| | Function | / |
| | Thickness | / |
| | Impact protection | / |
| | Fitting method | / |
| Required parameters | Open cell | DV215FHB-R01 & 105°C (Hi-Tni) |
| | Casing color | White aluminum |
| | Power supply | / |
| | Fans | / |
| | Power consumption | 34W (Typ.) ±5% |
| | Overall dimensions | 496.20mm(H) * 292.80mm(V) * 15.30mm(D) (Typ.) |
| | Weight | 2.5kg ±0.2 |
| | Motherboard | / |
| | Board connectivity | / |
| | OS | / |
| | IP rating front/rear | None / None |
| | TEMP operating/storage | -20°C~85°C / -30°C~85°C |
| | Humidity | ≤90% |
| | Warranty | 24 months |

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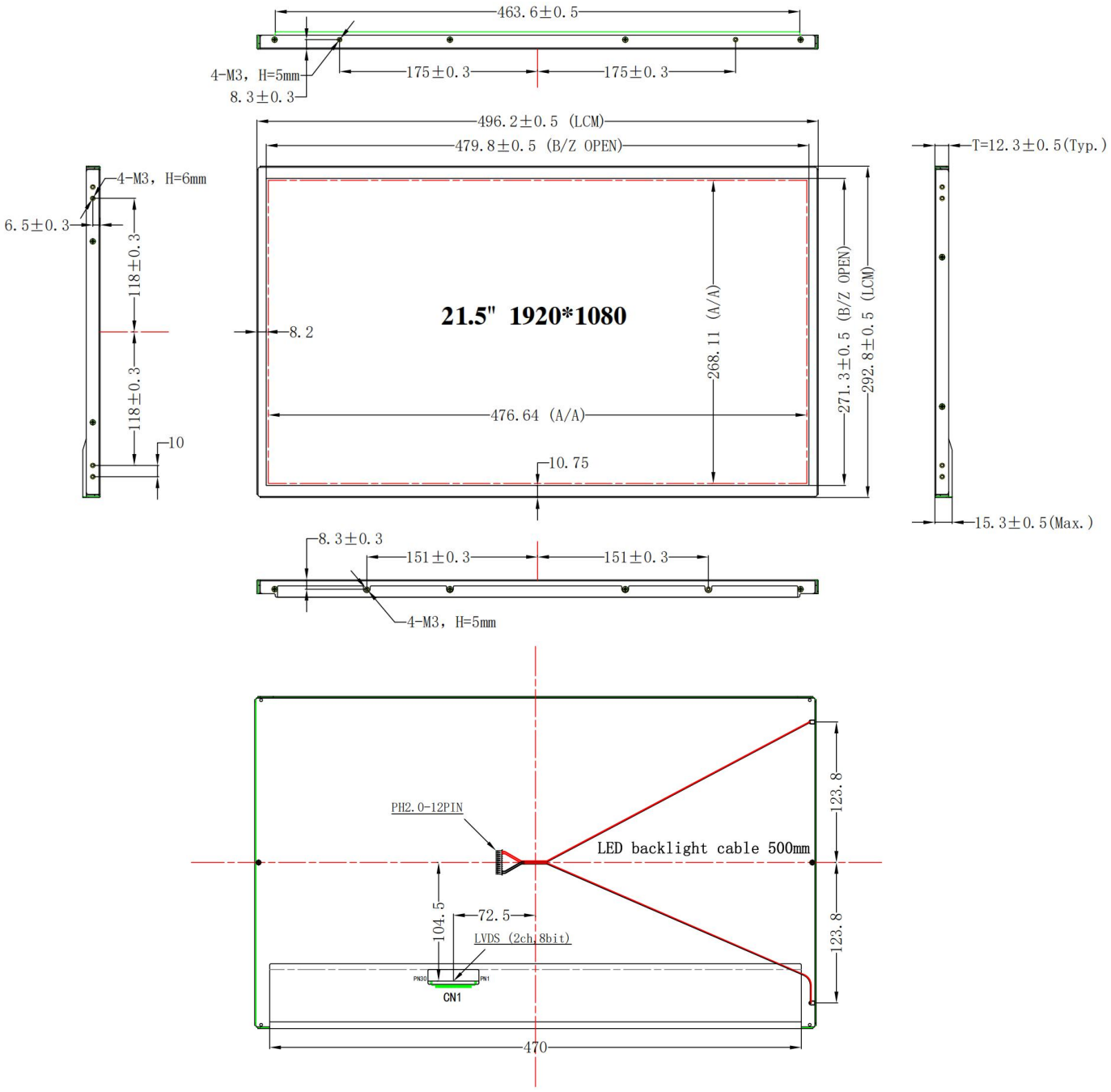
# Drawing

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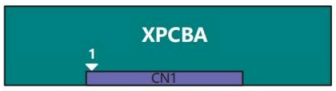
# Definition

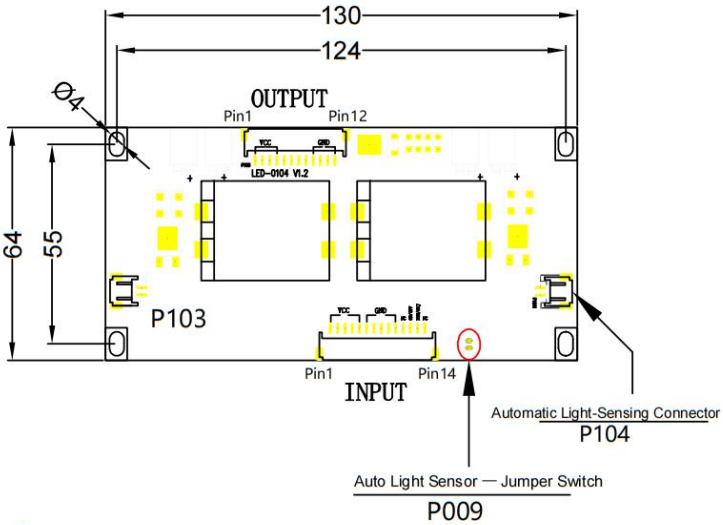
**INTERFACE CONNECTION.**

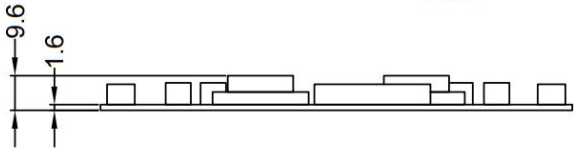
**Electrical Interface Connection**




- CN1 Module Side Connector : UJU IS100-L30O-C23 or MSBKT2407P30
  User Side Connector : JAE FI-X30H

| Pin No | Symbol | Function | Remark |
|---|---|---|---|
| 1 | RXO0- | Negative Transmission data of Pixel 0 (ODD) | |
| 2 | RXO0+ | Positive Transmission data of Pixel 0 (ODD) | |
| 3 | RXO1- | Negative Transmission data of Pixel 1 (ODD) | |
| 4 | RXO1+ | Positive Transmission data of Pixel 1 (ODD) | |
| 5 | RXO2- | Negative Transmission data of Pixel 2 (ODD) | |
| 6 | RXO2+ | Positive Transmission data of Pixel 2 (ODD) | |
| 7 | GND | Power Ground | |
| 8 | RXOC- | Negative Transmission Clock (ODD) | |
| 9 | RXOC+ | Positive Transmission Clock (ODD) | |
| 10 | RXO3- | Negative Transmission data of Pixel 3 (ODD) | |
| 11 | RXO3+ | Positive Transmission data of Pixel 3 (ODD) | |
| 12 | RXE0- | Negative Transmission data of Pixel 0 (EVEN) | |
| 13 | RXE0+ | Positive Transmission data of Pixel 0 (EVEN) | |
| 14 | GND | Power Ground | |
| 15 | RXE1- | Negative Transmission data of Pixel 1 (EVEN) | |
| 16 | RXE1+ | Positive Transmission data of Pixel 1 (EVEN) | |
| 17 | GND | Power Ground | |
| 18 | RXE2- | Negative Transmission data of Pixel 2 (EVEN) | |
| 19 | RXE2+ | Positive Transmission data of Pixel 2 (EVEN) | |
| 20 | RXEC- | Negative Transmission Clock (EVEN) | |
| 21 | RXEC+ | Positive Transmission Clock (EVEN) | |
| 22 | RXE3- | Negative Transmission data of Pixel 3 (EVEN) | |
| 23 | RXE3+ | Positive Transmission data of Pixel 3 (EVEN) | |
| 24 | GND | Power Ground | Note 1 |
| 25 | NC | Not connection, this pin should be open | |
| 26 | NC | Not connection, this pin should be open | |
| 27 | NC | Not connection | |
| 28 | VDD | Power Supply: +5V | |
| 29 | VDD | | |
| 30 | VDD | | |




INPUT (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 | |

OUTPUT (PH2.0X12)

| PIN | Symbol | Description | note |
|---|---|---|---|
| 1 | VCC | Power output + | |
| 2 | VCC | Power output + | |
| 3 | VCC | Power output + | |
| 4 | VCC | Power output + | |
| 5 | NC | | |
| 6 | NC | | |
| 7 | NC | | |
| 8 | NC | | |
| 9 | GND | Power output - | |
| 10 | GND | Power output - | |
| 11 | GND | Power output - | |
| 12 | GND | Power output - | |

(PH2.0X2)

| Symbol | Definition | Description | note |
|---|---|---|---|
| P103 | Temperature sensor | The temperature control range is 65-70℃. | |
| P104 | Light sensor | Brightness adjustment range is 30%-100%. | |

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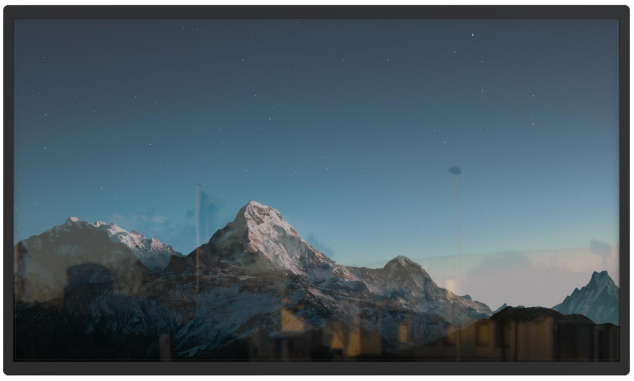
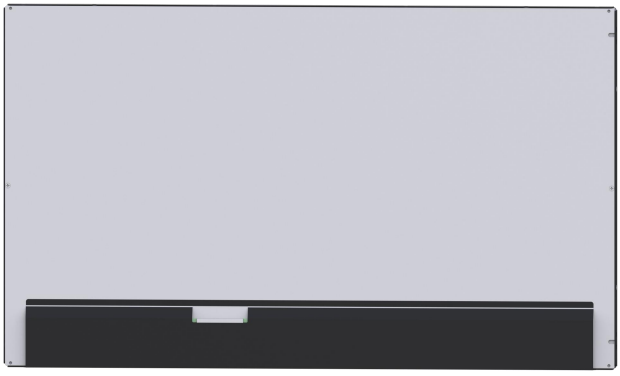
# Packing Details

| Item content | | Specifications |
|---|---|---|
| **Sample**<br>Eco-friendly Wooden | Package dimensions | 615.00mm(H) * 530.00mm(V) * 405.00mm(D) (Typ.) |
| | Packaging quantity | 1pcs / 6pcs |
| | Gross weight | 24kg / 36.5kg ±5% |
| **36pcs / A Pallet**<br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 555.00mm(H) * 740.00mm(V) * 1035.00mm(D) (Typ.) |
| | Packaging quantity | 36pcs |
| | Gross weight | 99kg |
| | Pallet dimensions | 560.00mm(H) * 120.00mm(V) * 1045.00mm(D) (Typ.) |
| | Pallet weight | 10kg |
| | Totally dimensions | 560.00mm(H) * 860.00mm(V) * 1045.00mm(D) (Typ.) |
| | Totally weight | 109kg ±5% |
| **72pcs / A Pallet**<br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 1110.00mm(H) * 740.00mm(V) * 1035.00mm(D) (Typ.) |
| | Packaging quantity | 72pcs |
| | Gross weight | 198kg |
| | Pallet dimensions | 1115.00mm(H) * 120.00mm(V) * 1045.00mm(D) (Typ.) |
| | Pallet weight | 20kg |
| | Totally dimensions | 1115.00mm(H) * 860.00mm(V) * 1045.00mm(D) (Typ.) |
| | Totally weight | 218kg ±5% |

# More Image





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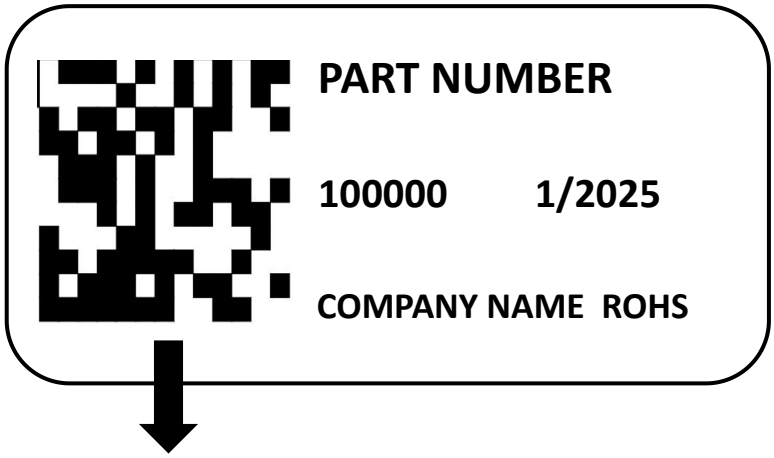
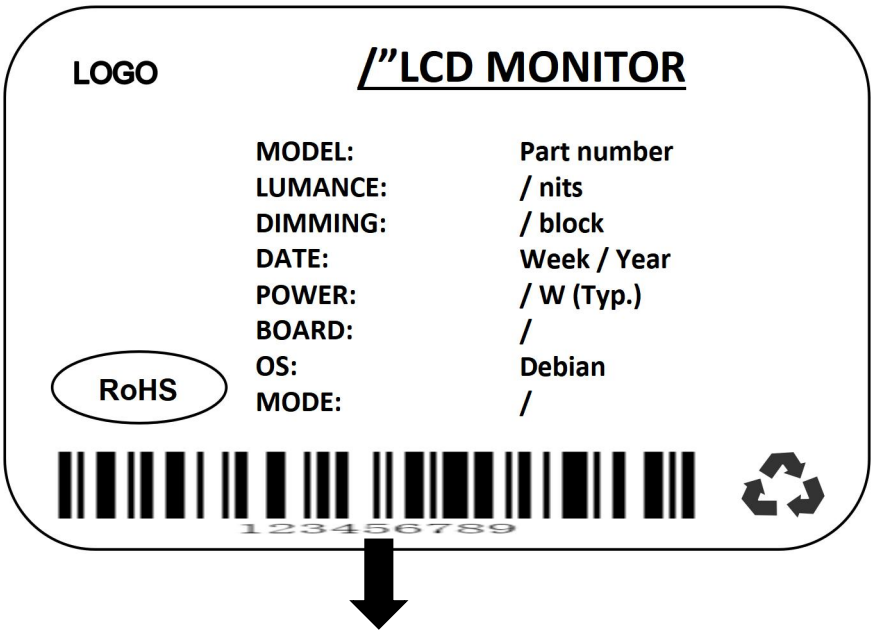
# Appendix

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

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