YZD Solutions

# Product Brief

# YZ750MBU30H-V1

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 / UD02 | Sam Wu |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

## Product Features

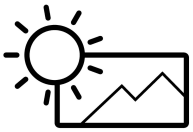
·It is one of ultra-bright LCD modules with outdoor usage

·75 inch 4K & 3000 nits

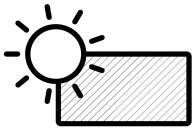
·Series: MD & outdoor aluminum structure & landscape / portrait mode

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

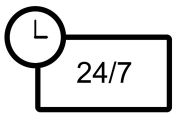
·Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 3%




Operation
Long lifetime

Built in Speaker
Not equipped

Multi touch
Not equipped

AD Board
Not equipped

68°C Wide-T

2H

IP65
Not support

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

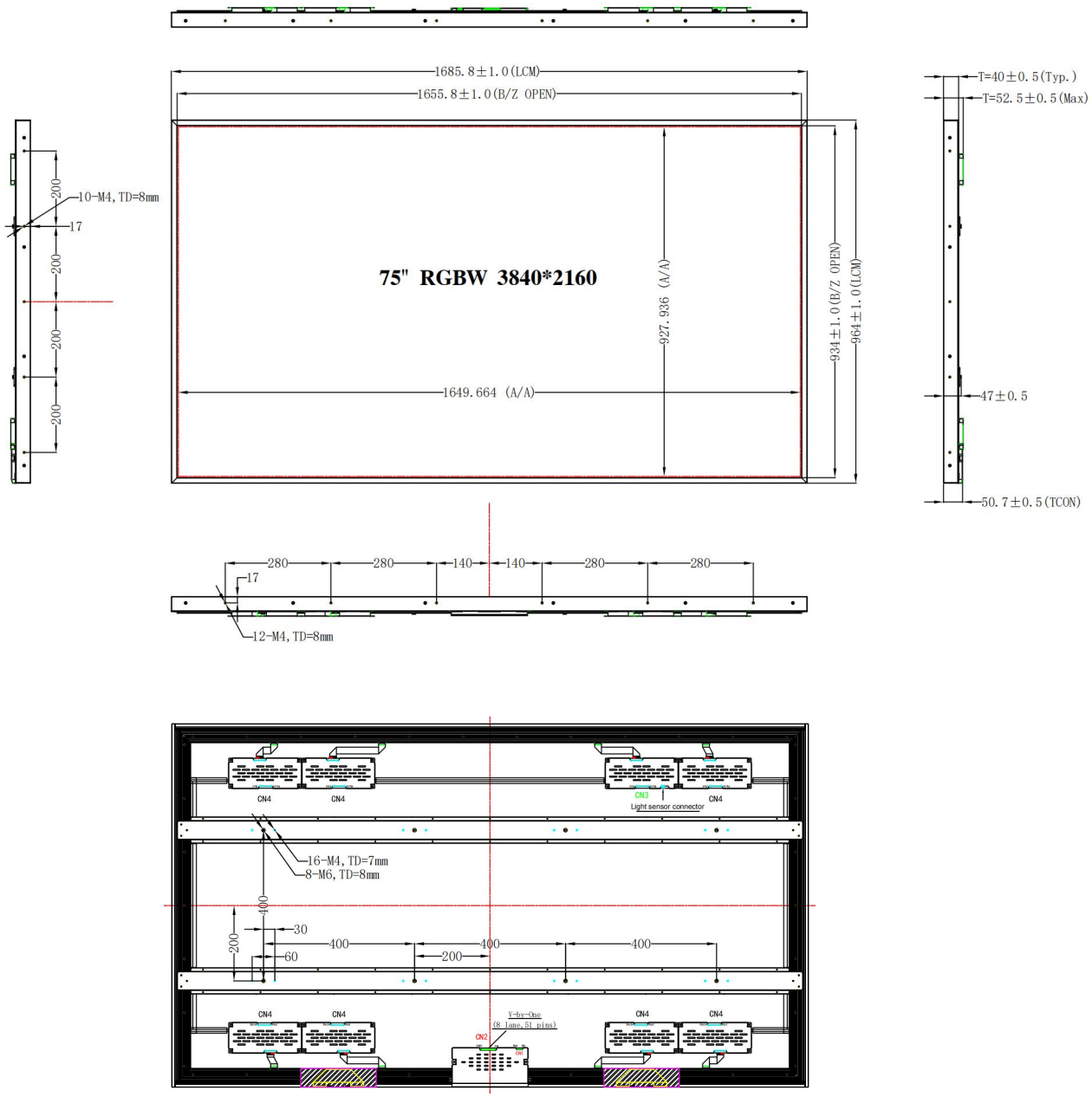
© 2026 YZD Solutions

# General Features

| Item content | | Specifications |
|---|---|---|
| Display Parameters | Resolution | 3840(RGB) * 2160(FHD) |
| | Active area | 1649.7mm(H) * 927.9mm(V) |
| | Pixel pitch | 0.4296mm(H) * 0.4296mm(V) |
| | Display colors | 10-bit(D) & 1.07 Billion colors |
| | Backlight type | DLED |
| | Response time | 8ms (G to G) (Typ.) |
| | Luminance | 3000cd/m² (Typ.) ±5% |
| | Contrast ratio | 1,200 : 1 (Typ.) & 72% (NTSC) (Est.) |
| | Refresh rate | 60Hz (Best) |
| | Dimming mode | Manual / Automatic & 30% - 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 | LD750DGY-SRA2 & 68°C (Surface) |
| | Casing color | White aluminum |
| | Power supply | / |
| | Fans | / |
| | Power consumption | 597W (Typ.) ±5% |
| | Overall dimensions | 1685.80mm(H) * 964.00mm(V) * 52.50mm(D) (Typ.) |
| | Weight | 38.5kg ±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 |

© 2026 YZD Solutions

# Drawing




© 2026 YZD Solutions

# Definition

**Table 3-2. MODULE CONNECTOR(CN2) PIN CONFIGURATION**

| No | Symbol | Description | No | Symbol | Description |
|---|---|---|---|---|---|
| 1 | NC | No Connection(notes 2) | 27 | GND | Ground |
| 2 | NC | No Connection(notes 2) | 28 | Rx0n | V-by-One HS Data Lane 0 |
| 3 | NC | No Connection(notes 2) | 29 | Rx0p | V-by-One HS Data Lane 0 |
| 4 | NC | No Connection(notes 2) | 30 | GND | Ground |
| 5 | NC | No Connection(notes 2) | 31 | Rx1n | V-by-One HS Data Lane 1 |
| 6 | NC | No Connection(notes 2) | 32 | Rx1p | V-by-One HS Data Lane 1 |
| 7 | NC | No Connection(notes 2) | 33 | GND | Ground |
| 8 | NC | No Connection(notes 2) | 34 | Rx2n | V-by-One HS Data Lane 2 |
| 9 | NC | No Connection | 35 | Rx2p | V-by-One HS Data Lane 2 |
| 10 | GND | Ground | 36 | GND | Ground |
| 11 | GND | Ground | 37 | Rx3n | V-by-One HS Data Lane 3 |
| 12 | GND | Ground | 38 | Rx3p | V-by-One HS Data Lane 3 |
| 13 | GND | Ground | 39 | GND | Ground |
| 14 | NC | NO CONNECTION | 40 | Rx4n | V-by-One HS Data Lane 4 |
| 15 | Input Mode | Vx1 Input Data Format 'L'=Non-Division , 'H'=2-Division | 41 | Rx4p | V-by-One HS Data Lane 4 |
| 16 | NC | No Connection | 42 | GND | Ground |
| 17 | NC | No Connection | 43 | Rx5n | V-by-One HS Data Lane 5 |
| 18 | NC | No Connection | 44 | Rx5p | V-by-One HS Data Lane 5 |
| 19 | NC | No Connection | 45 | GND | Ground |
| 20 | NC | No Connection | 46 | Rx6n | V-by-One HS Data Lane 6 |
| 21 | Bit_SEL | 'H' = 10bit , 'L' = 8bit | 47 | Rx6p | V-by-One HS Data Lane 6 |
| 22 | LOCAL_ON | H' = Enable | 48 | GND | Ground |
| 23 | M+ Bypass | 'H' = RGB, 'L' = M+ | 49 | Rx7n | V-by-One HS Data Lane 7 |
| 24 | GND | Ground | 50 | Rx7p | V-by-One HS Data Lane 7 |
| 25 | HTPDN | Hot plug detect | 51 | GND | Ground |
| 26 | LOCKN | Lock detect | - | - | - |

CN1 (PH2.0X5)

| PIN | Symbol | Description | note |
|---|---|---|---|
| 1 | GND | Power ground | |
| 2 | GND | Power ground | |
| 3 | VCC | Power supply voltage +12V | |
| 4 | VCC | Power supply voltage +12V | |
| 5 | VCC | Power supply voltage +12V | |

CN3 (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 | DC Dimming signal | |
| 14 | DIM | PWM Dimming signal | |

CN4 (PH2.0X14)

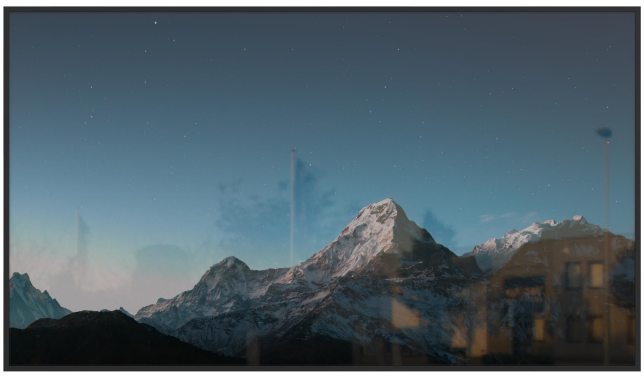
| PIN | Symbol | Description | note |
|---|---|---|---|
| 1 | VCC | Power supply voltage +24V | |
| 2 | VCC | Power supply voltage +24V | |
| 3 | VCC | Power supply voltage +24V | |
| 4 | VCC | Power supply voltage +24V | |
| 5 | VCC | Power supply voltage +24V | |
| 6 | GND | Power ground | |
| 7 | GND | Power ground | |
| 8 | GND | Power ground | |
| 9 | GND | Power ground | |
| 10 | GND | Power ground | |
| 11 | NC | | |
| 12 | NC | | |
| 13 | NC | | |
| 14 | NC | | |

© 2026 YZD Solutions

# Packing Details

| Item content | | Specifications |
|---|---|---|
| **Sample**<br>Eco-friendly Wooden | Package dimensions | 1845.00mm(H) * 1225.00mm(V) * 410.00mm(D) (Typ.) |
| | Packaging quantity | 1pcs / 3pcs |
| | Gross weight | 98.5kg / 175.5kg ±5% |
| **5pcs / A Pallet**<br>Eco-friendly Wooden | Package dimensions | 1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.) |
| | Packaging quantity | 5pcs |
| | Gross weight | 192.5kg |
| | Pallet dimensions | 1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.) |
| | Pallet weight | 70kg |
| | Totally dimensions | 1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.) |
| | Totally weight | 262.5kg ±5% |
| **7pcs / A Pallet**<br>Eco-friendly Wooden | Package dimensions | 1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.) |
| | Packaging quantity | 7pcs |
| | Gross weight | 269.5kg |
| | Pallet dimensions | 1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.) |
| | Pallet weight | 80kg |
| | Totally dimensions | 1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.) |
| | Totally weight | 349.5kg ±5% |

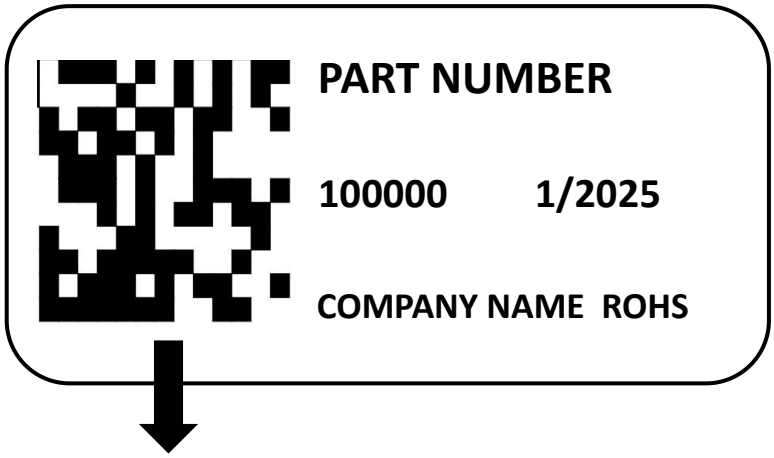
# More Image



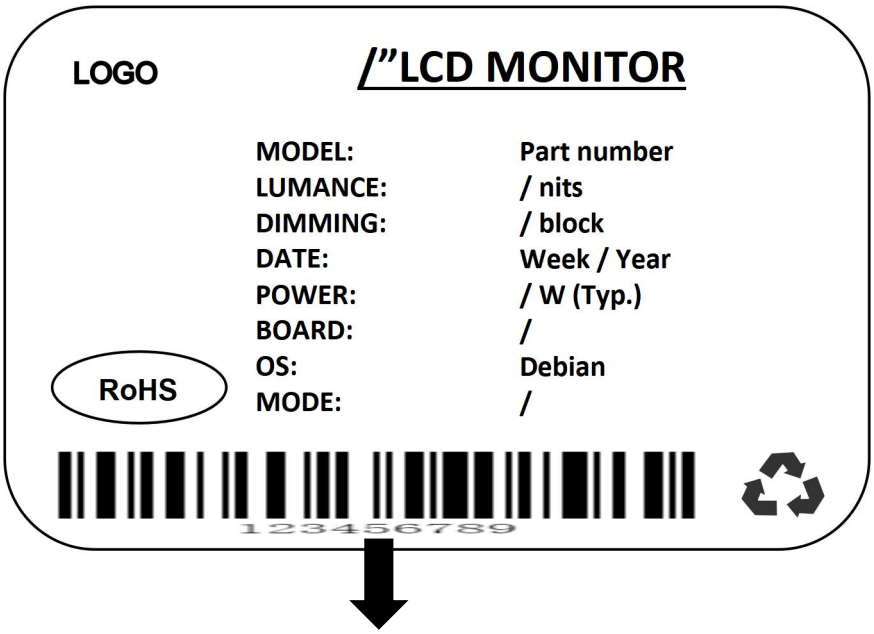
© 2026 YZD Solutions

# 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

© 2026 YZD Solutions