YZD Solutions

# Product Brief

# YZ430MEU10-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 / CD05 | Sam Wu |
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## Product Features

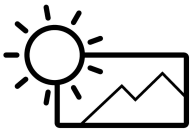
·It is one of ultra-bright LCD modules with outdoor usage

·43 inch 4K & 1000 nits

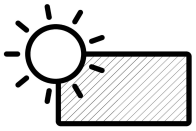
·Series: MD & outdoor aluminum structure & landscape / portrait mode

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

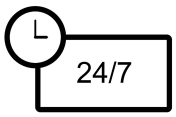
·Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 3%




Operation
Long lifetime

Built in Speaker
Not equipped

Multi touch
Not equipped

AD Board
Not equipped

68°C Standard

2H

IP65
Not support

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

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# General Features

| Item content | | Specifications |
|---|---|---|
| Display Parameters | Resolution | 3840(RGB) * 2160(FHD) |
| | Active area | 941.184mm(H) * 529.416mm(V) |
| | Pixel pitch | 0.2451mm(H) * 0.2451mm(V) |
| | Display colors | 10-bit(D) & 1.07 Billion |
| | Backlight type | ELED |
| | Response time | 8ms (G to G) (Typ.) |
| | Luminance | 1000cd/m² (Typ.) ±5% |
| | Contrast ratio | 1,000 : 1 (Typ.) & 68% (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 | LC430EQC-STA1 & 68°C (Surface) |
| | Casing color | White aluminum |
| | Power supply | / |
| | Fans | / |
| | Power consumption | 119W (Typ.) ±5% |
| | Overall dimensions | 973.20mm(H) * 561.40mm(V) * 27.30mm(D) (Typ.) |
| | Weight | 9kg ±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 |

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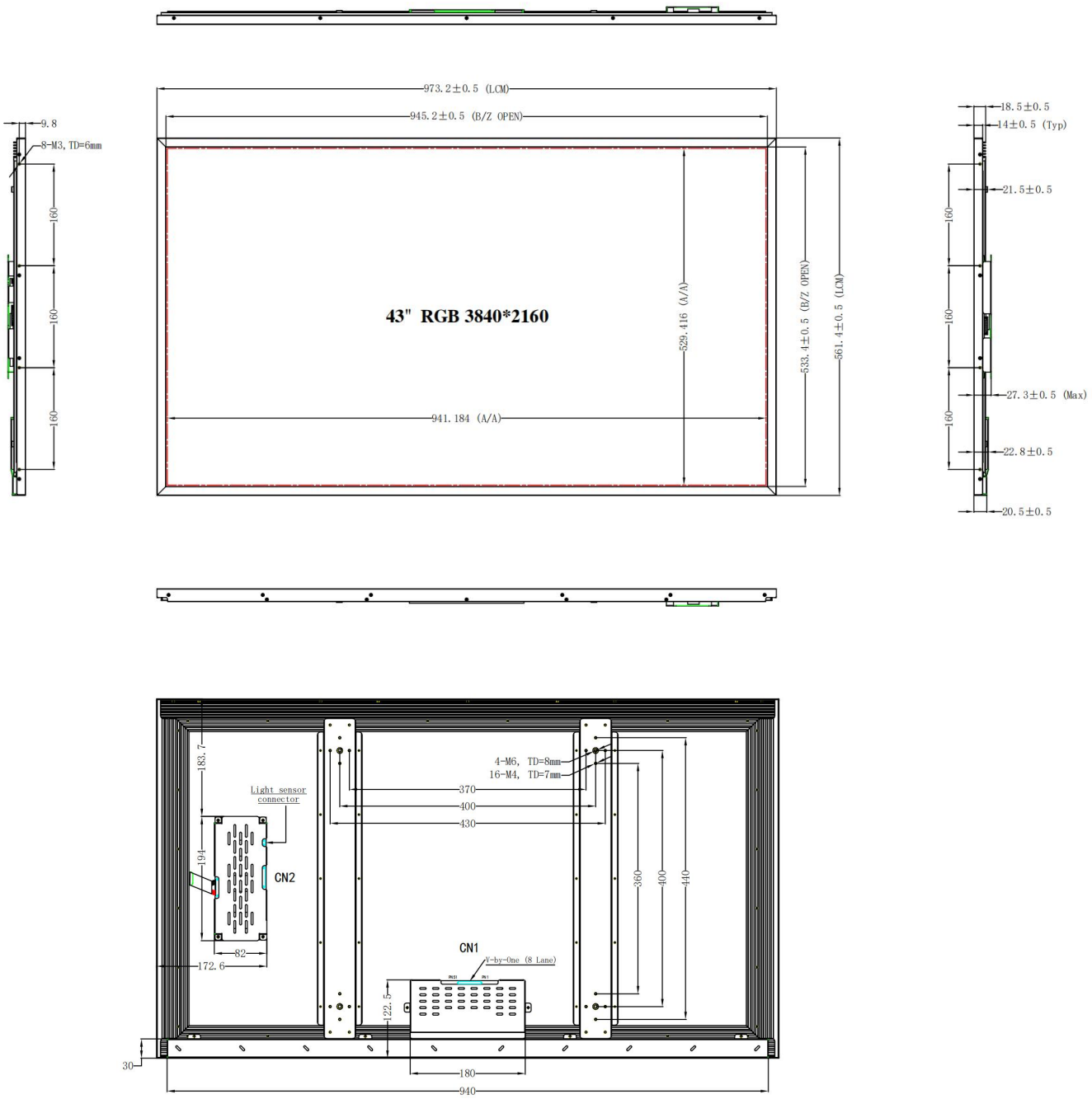
# Drawing

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# Definition

**V-By-One （CN1）:**

Connector specifications: FI-RE51S-HF(manufactured by JAE) or GT05P-51S-H38(manufactured by LSM or IS050-C51B-C39(manufactured by UJU).

Corresponding connector specifications: FI-R51HL(manufactured by JAE) or compatible.

| NO | Definition | Description |
|---|---|---|
| 1 | VCC | Power Supply +12.0V |
| 2 | VCC | Power Supply +12.0V |
| 3 | VCC | Power Supply +12.0V |
| 4 | VCC | Power Supply +12.0V |
| 5 | VCC | Power Supply +12.0V |
| 6 | VCC | Power Supply +12.0V |
| 7 | VCC | Power Supply +12.0V |
| 8 | VCC | Power Supply +12.0V |
| 9 | | N0 Connection |
| 10 | GND | Ground |
| 11 | GND | Ground |
| 12 | GND | Ground |
| 13 | GND | Ground |
| 14 | | N0 Connection |
| 15 | | N0 Connection |
| 16 | | N0 Connection |
| 17 | | N0 Connection |
| 18 | | N0 Connection |
| 19 | RX_12C_SDA | RX_12C_SDA |
| 20 | RX_12C_SCL | RX_12C_SCL |
| 21 | | N0 Connection |
| 22 | | N0 Connection |
| 23 | | N0 Connection |
| 24 | | N0 Connection |
| 25 | RX_HTPD | Hot plug detect output,Open drain |
| 26 | RX_LOCK | Lock detect output,Open drain |
| 27 | GND | Ground |
| 28 | V-By-One_RX_0N1 | V-By-One Data Lane 0 |
| 29 | V-By-One_RX_0P1 | V-By-One Data Lane 0 |
| 30 | GND | Ground |
| 31 | V-By-One_RX_1N1 | V-By-One Data Lane 1 |
| 32 | V-By-One_RX_1P1 | V-By-One Data Lane 1 |
| 33 | GND | Ground |
| 34 | V-By-One_RX_2N1 | V-By-One Data Lane 2 |
| 35 | V-By-One_RX_2P1 | V-By-One Data Lane 2 |
| 36 | GND | Ground |
| 37 | V-By-One_RX_3N1 | V-By-One Data Lane 3 |
| 38 | V-By-One_RX_3P1 | V-By-One Data Lane 3 |
| 39 | GND | Ground |
| 40 | V-By-One_RX_4N1 | V-By-One Data Lane 4 |
| 41 | V-By-One_RX_4P1 | V-By-One Data Lane 4 |
| 42 | GND | Ground |
| 43 | V-By-One_RX_5N1 | V-By-One Data Lane 5 |
| 44 | V-By-One_RX_5P1 | V-By-One Data Lane 5 |
| 45 | GND | Ground |
| 46 | V-By-One_RX_6N1 | V-By-One Data Lane 6 |
| 47 | V-By-One_RX_6P1 | V-By-One Data Lane 6 |
| 48 | GND | Ground |
| 49 | V-By-One_RX_7N1 | V-By-One Data Lane 7 |
| 50 | V-By-One_RX_7P1 | V-By-One Data Lane 7 |
| 51 | GND | 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 | DC Dimming signal | |
| 14 | PWM | Dimming signal | |

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# Packing Details

| Item content | | Specifications |
|---|---|---|
| **Sample**<br>Eco-friendly Wooden | Package dimensions | 1150.00mm(H) * 840.00mm(V) * 345.00mm(D) (Typ.) |
| | Packaging quantity | 1pcs / 5pcs |
| | Gross weight | 42.95kg / 78.95kg ±5% |
| **25pcs / A Pallet**<br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 1090.00mm(H) * 680.00mm(V) * 1425.00mm(D) (Typ.) |
| | Packaging quantity | 25pcs |
| | Gross weight | 244.75kg |
| | Pallet dimensions | 1095.00mm(H) * 120.00mm(V) * 1445.00mm(D) (Typ.) |
| | Pallet weight | 20kg |
| | Totally dimensions | 1095.00mm(H) * 800.00mm(V) * 1445.00mm(D) (Typ.) |
| | Totally weight | 264.75kg ±5% |
| **50pcs / A Pallet**<br>Eco-friendly Corrugated Cardboard Box | Package dimensions | 1090.00mm(H) * 1360.00mm(V) * 1425.00mm(D) (Typ.) |
| | Packaging quantity | 50pcs |
| | Gross weight | 489.5kg |
| | Pallet dimensions | 1095.00mm(H) * 120.00mm(V) * 1445.00mm(D) (Typ.) |
| | Pallet weight | 20kg |
| | Totally dimensions | 1095.00mm(H) * 1480.00mm(V) * 1445.00mm(D) (Typ.) |
| | Totally weight | 509.5kg ±5% |

# More Image

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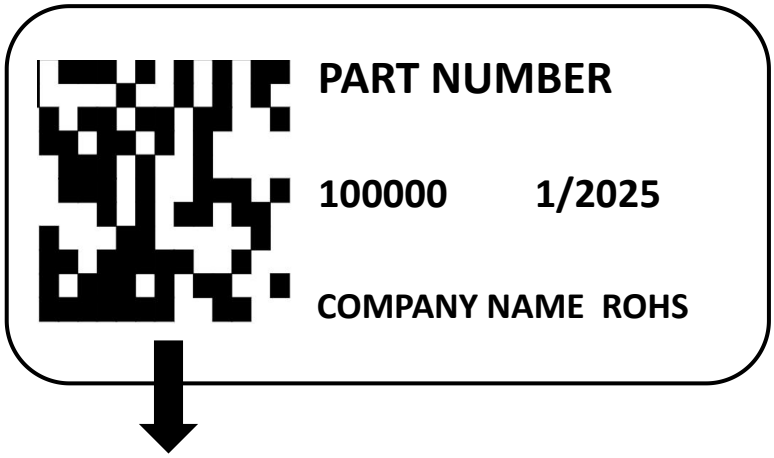
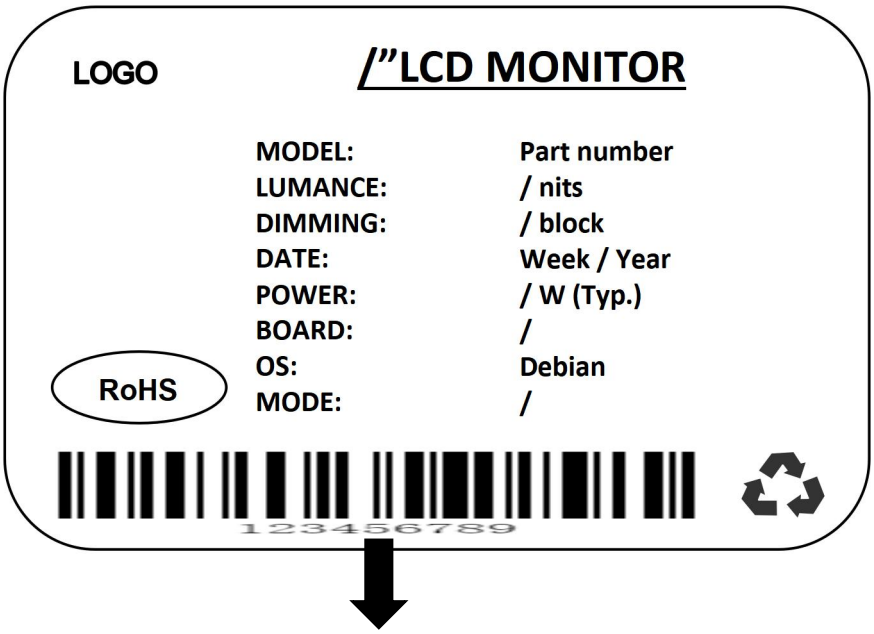
# Appendix

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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