

Product Brief

YZ270MCU10-V2

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

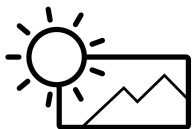
Approved by : Boen Liu

Document History

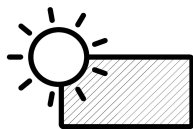
Doc Version	Date	Description	Issued by
1.0	2026-01-01	Standard model / UD03	Sam Wu

Product Features

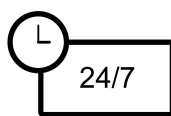
- It is one of ultra-bright LCD modules with outdoor usage
- 27 inch 4K & 1000 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required to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



Sunlight readable



Haze 25%



Operation
Long lifetime



Built in Speaker
Not equipped



Multi touch
Not equipped



AD Board
Not equipped



65°C Standard



3H



IP65
Not support

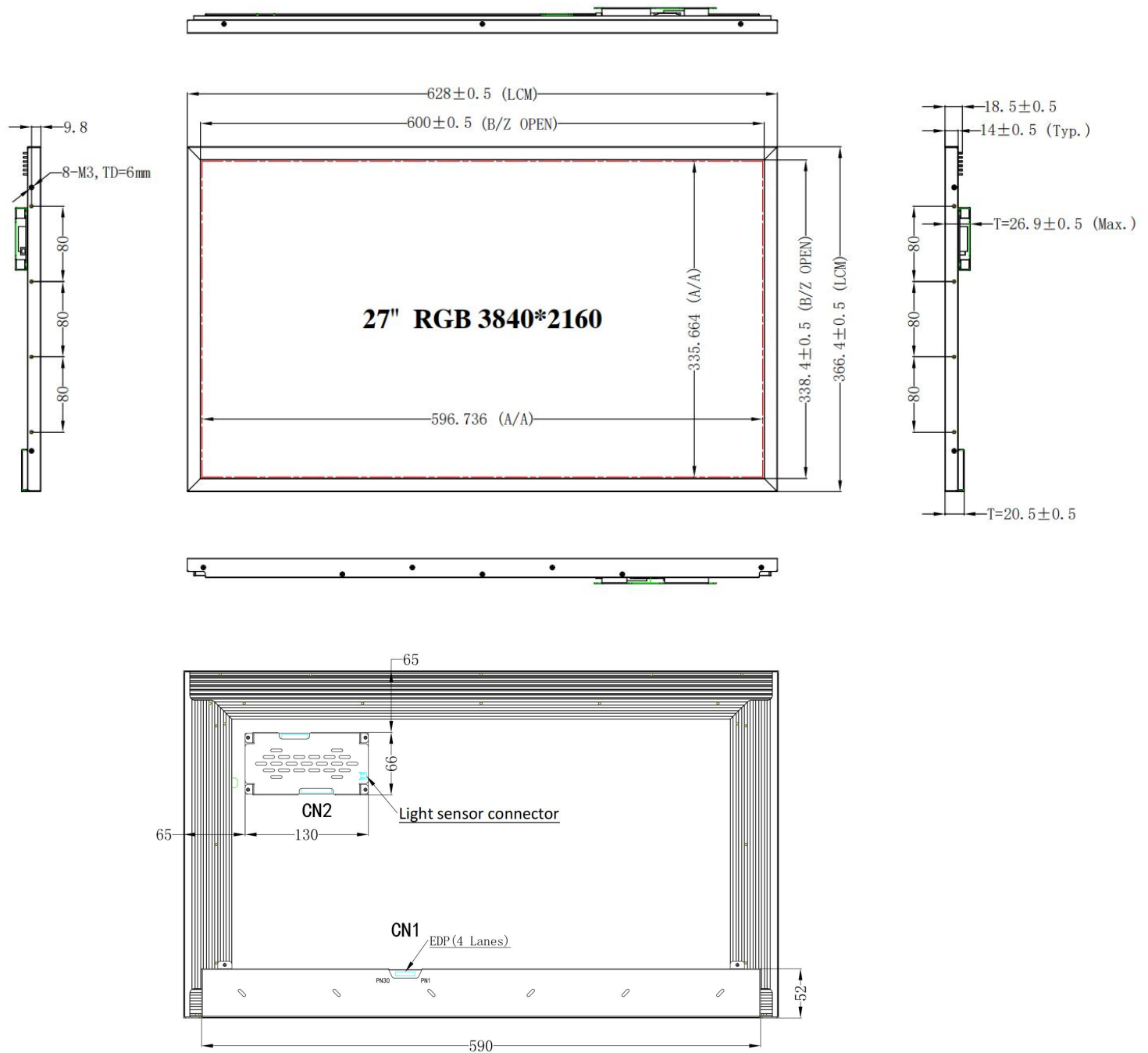


Mini-Led 30% - 50%
Energy savings
Not support

General Features

Item content		Specifications
Display Parameters	Resolution	3840(RGB) * 2160(FUD)
	Active area	596.736mm(H) * 335.664mm(V)
	Pixel pitch	0.1554mm(H) * 0.1554mm(V)
	Display colors	8-bit(D) + RFC & 1.07 Billion colors
	Backlight type	ELED
	Response time	14ms (G to G) (Typ.)
	Luminance	1000cd/m ² (Typ.) ±5%
	Contrast ratio	1,000 : 1 (Typ.) & 76% (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	M270QAN06.0 & 65°C (Surface)
	Casing color	White aluminum
	Power supply	/
	Fans	/
	Power consumption	53W (Typ.) ±5%
	Overall dimensions	628.00mm(H) * 366.40mm(V) * 26.90mm(D) (Typ.)
	Weight	3.75kg ±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

CN1

PIN #	Symbol	Description	Remark
1	VDD	Power +10V	
2	VDD	Power +10V	
3	VDD	Power +10V	
4	VDD	Power +10V	
5	VDD	Power +10V	
6	N.C.	No connection	
7	N.C.	No connection (for AUO test only. Do not connect)	
8	N.C.	No connection (for AUO test only. Do not connect)	
9	N.C.	No connection (for AUO test only. Do not connect)	
10	GND	Ground	
11	HPD	Hot plug detection	
12	GND	Ground	
13	Ist AUX_CH_N	Negative AUX Channel differential data input	
14	Ist AUX_CH_P	Positive AUX Channel differential data input	
15	GND	Ground	
16	Ist Lane0_P	Positive eDP differential data input	
17	Ist Lane0_N	Negative eDP differential data input	
18	GND	Ground	
19	Ist Lane1_P	Positive eDP differential data input	
20	Ist Lane1_N	Negative eDP differential data input	
21	GND	Ground	
22	Ist Lane2_P	Positive eDP differential data input	
23	Ist Lane2_N	Negative eDP differential data input	
24	GND	Ground	
25	Ist Lane3_P	Positive eDP differential data input	
26	Ist Lane3_N	Negative eDP differential data input	
27	GND	Ground	
28	N.C.	No connection (for AUO test only. Do not connect)	
29	N.C.	No connection (for AUO test only. Do not connect)	
30	NC/GND	No connection (for AUO test only. Do not connect)	

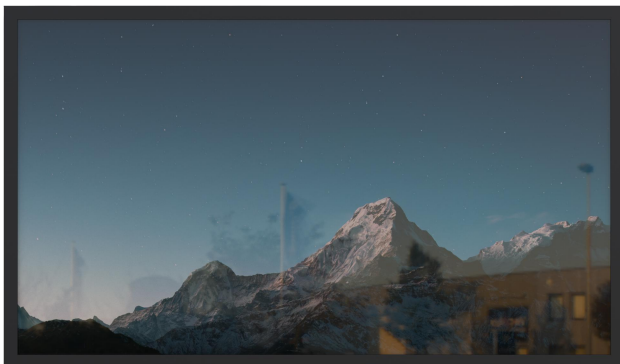
CN2 (PH2. 0X14)

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

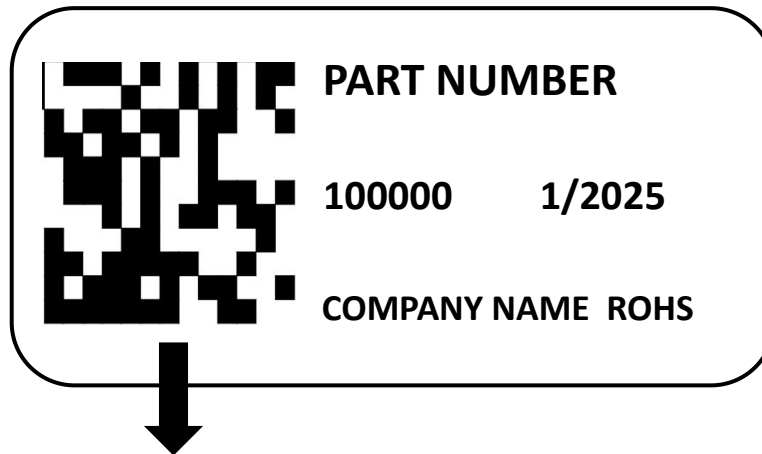
Item content		Specifications
Sample Eco-friendly Wooden	Package dimensions	820.00mm(H) * 640.00mm(V) * 340.00mm(D) (Typ.)
	Packaging quantity	1pcs / 5pcs
	Gross weight	25.4kg / 40.4kg ±5%
40pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	760.00mm(H) * 960.00mm(V) * 1120.00mm(D) (Typ.)
	Packaging quantity	40pcs
	Gross weight	163.2kg
	Pallet dimensions	765.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)
	Pallet weight	10kg
	Totally dimensions	765.00mm(H) * 1080.00mm(V) * 1135.00mm(D) (Typ.)
	Totally weight	173.2kg ±5%
80pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	1520.00mm(H) * 960.00mm(V) * 1120.00mm(D) (Typ.)
	Packaging quantity	80pcs
	Gross weight	326.4kg
	Pallet dimensions	1525.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)
	Pallet weight	20kg
	Totally dimensions	1525.00mm(H) * 1080.00mm(V) * 1135.00mm(D) (Typ.)
	Totally weight	346.4kg ±5%

More Image

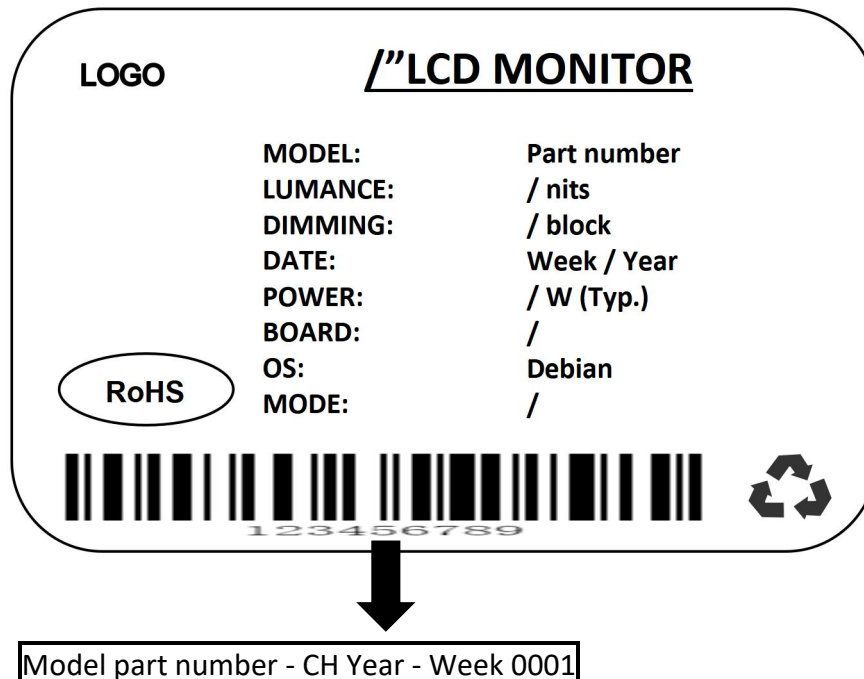


Appendix

Serial Label



Field N°1 12 digits	Field N°2 P/N	Field N°3 EMS code	Field N°4 N°OF
Sxxxx1000001	Part number	CN518115	OF100000



Model part number - CH Year - Week 0001