

Product Brief

YZ215MBH15-V2

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

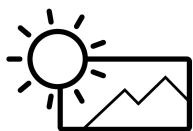
Approved by : Boen Liu

Document History

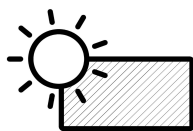
Doc Version	Date	Description	Issued by
1.0	2026-01-01	Standard model / CD02	Sam Wu

Product Features

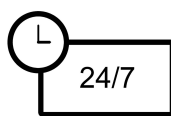
- It is one of ultra-bright LCD modules with outdoor usage
- 21.5 inch 1080P & 1500 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 2% - 25%



Operation
Long lifetime



Built in Speaker
Not equipped



Multi touch
Not equipped



AD Board
Not equipped



65°C Standard



3H



IP65
Not support

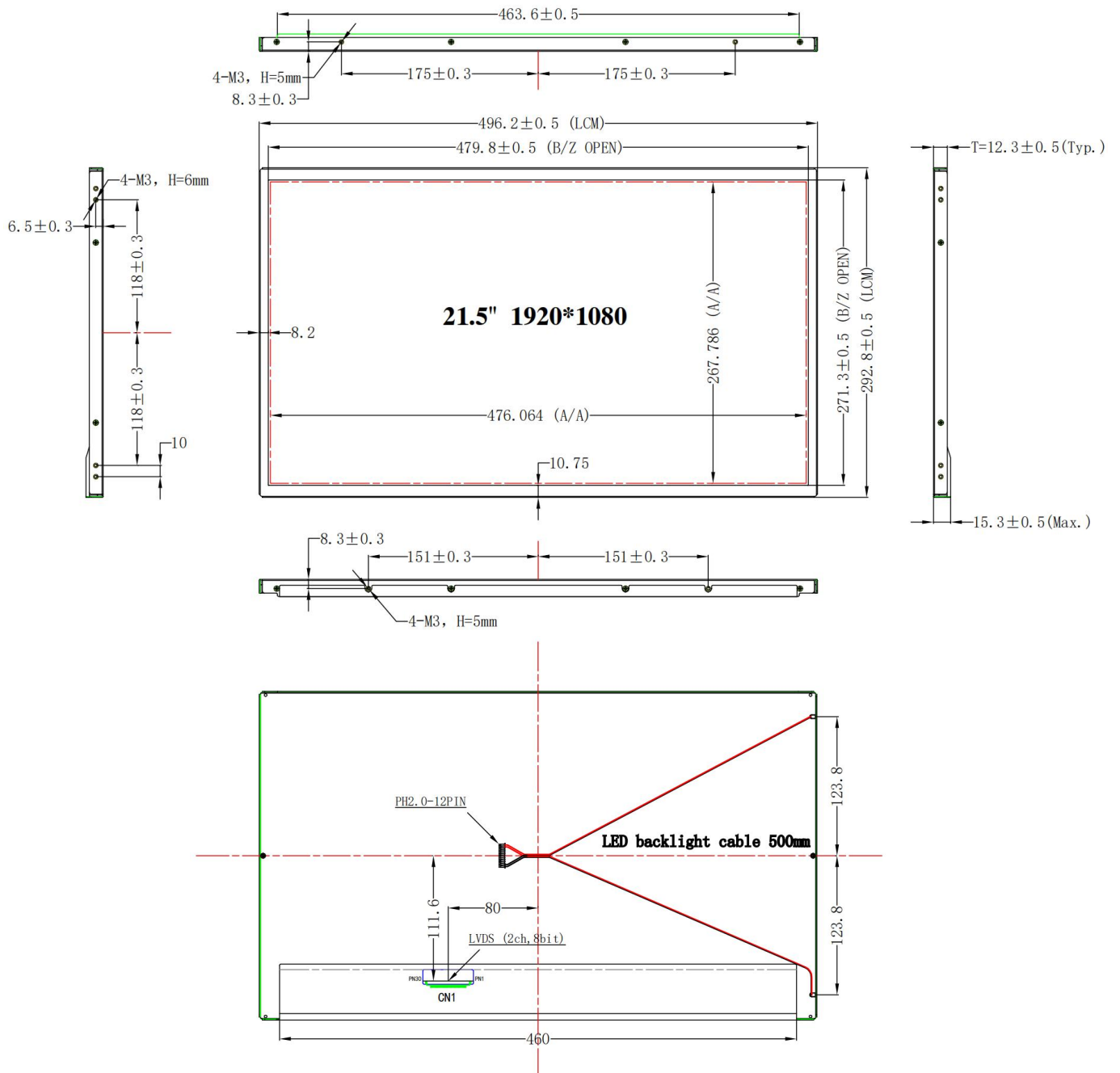


Mini-Led 30% - 50%
Energy savings
Not support

General Features

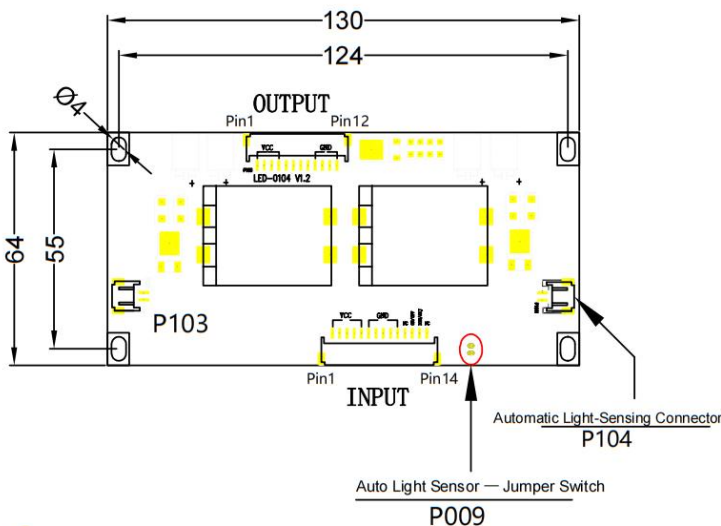
Item content		Specifications
Display Parameters	Resolution	1920(RGB) * 1080(FHD)
	Active area	476.064mm(H) * 267.786mm(V)
	Pixel pitch	0.24795mm(H) * 0.24795mm(V)
	Display colors	6-bits(D) + Hi-FRC & 16.7 Million colors
	Backlight type	ELED
	Response time	20ms (G to G) (Typ.)
	Luminance	1500cd/m ² (Typ.) ±5%
	Contrast ratio	3,000 : 1 (Typ.) & 70% (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	T215HVN05.1 & 65°C (Surface)
	Casing color	White aluminum
	Power supply	/
	Fans	/
	Power consumption	54W (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	0°C~50°C / -20°C~60°C
	Humidity	≤90%
	Warranty	24 months

Drawing



Definition

TFT-LCD Connector(CN1)	PIN #	Symbol	Description
	1	RxO0-	Negative LVDS differential data input (Odd data)
	2	RxO0+	Positive LVDS differential data input (Odd data)
	3	RxO1-	Negative LVDS differential data input (Odd data)
	4	RxO1+	Positive LVDS differential data input (Odd data)
	5	RxO2-	Negative LVDS differential data input (Odd data)
	6	RxO2+	Positive LVDS differential data input (Odd data)
	7	GND	Ground
	8	RxOCLK-	Negative LVDS differential clock input (Odd clock)
	9	RxOCLK+	Positive LVDS differential clock input (Odd clock)
	10	RxO3-	Negative LVDS differential data input (Odd data)
	11	RxO3+	Positive LVDS differential data input (Odd data)
	12	RxE0-	Negative LVDS differential data input (Even data)
	13	RxE0+	Positive LVDS differential data input (Even data)
	14	GND	Ground
	15	RxE1-	Negative LVDS differential data input (Even data)
	16	RxE1+	Positive LVDS differential data input (Even data)
	17	GND	Ground
	18	RxE2-	Negative LVDS differential data input (Even data)
	19	RxE2+	Positive LVDS differential data input (Even data)
	20	RxECLK-	Negative LVDS differential clock input (Even clock)
	21	RxECLK+	Positive LVDS differential clock input (Even clock)
	22	RxE3-	Negative LVDS differential data input (Even data)
	23	RxE3+	Positive LVDS differential data input (Even data)
	24	WP	Digital-Vcom write protection
	25	NC	No connection (for AUO test only. Do not connect)
	26	SCL	I2C-Compatible Serial-Clock Input for Vcom adjust
	27	SDA	I2C-Compatible Serial-Data Input / Output for Vcom adjust
	28	VDD	Power Supply Input Voltage
	29	VDD	Power Supply Input Voltage
	30	VDD	Power Supply Input Voltage



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	

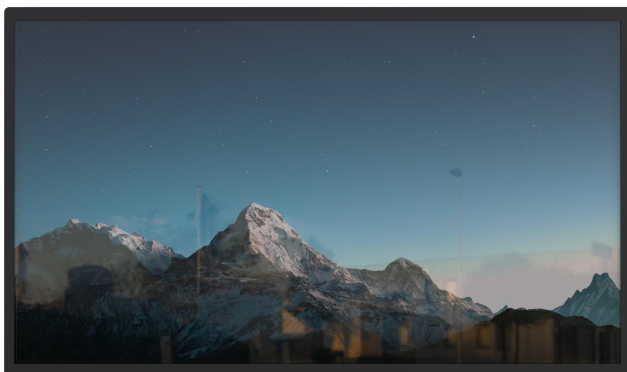
OUTPUT (PH2. 0X12)			
PIN	Symbol	Description	note
1	VCC	Power output +	
2	VCC	Power output +	
3	VCC	Power output +	
4	VCC	Power output +	
5	NC		
6	NC		
7	NC		
8	NC		
9	GND	Power output -	
10	GND	Power output -	
11	GND	Power output -	
12	GND	Power output -	

(PH2. 0X2)			
Symbol	Definition	Description	note
P103	Temperature sensor	The temperature control range is 65~70°C.	
P104	Light sensor	Brightness adjustment range is 30%~100%.	

Packing Details

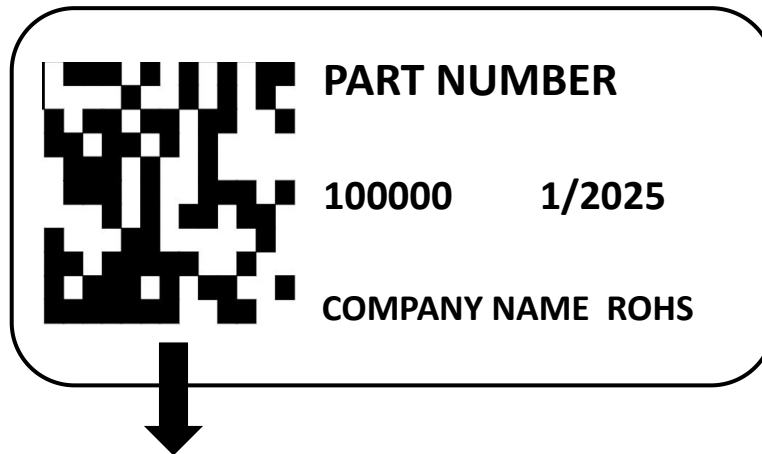
Item content		Specifications
Sample Eco-friendly Wooden	Package dimensions	615.00mm(H) * 530.00mm(V) * 405.00mm(D) (Typ.)
	Packaging quantity	1pcs / 6pcs
	Gross weight	24kg / 36.5kg ±5%
36pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	555.00mm(H) * 740.00mm(V) * 1035.00mm(D) (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 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

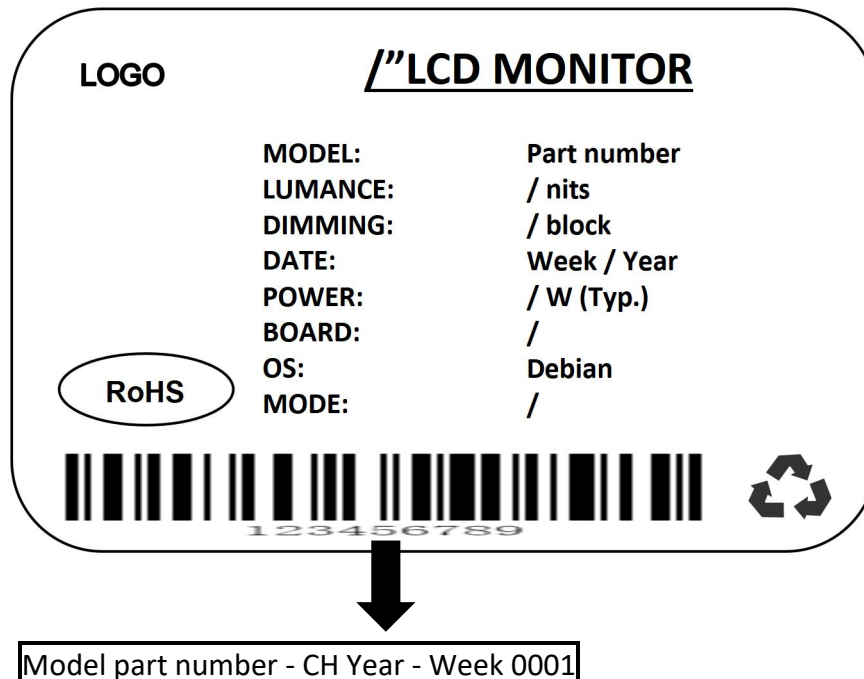


Appendix

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