

Product Brief

YZ215MBH20H-V0

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

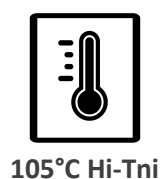
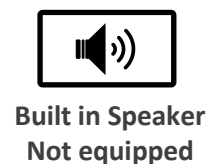
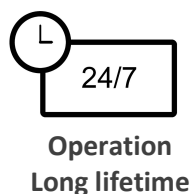
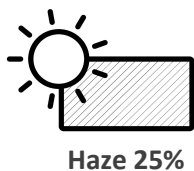
Approved by : Boen Liu

Document History

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

Product Features

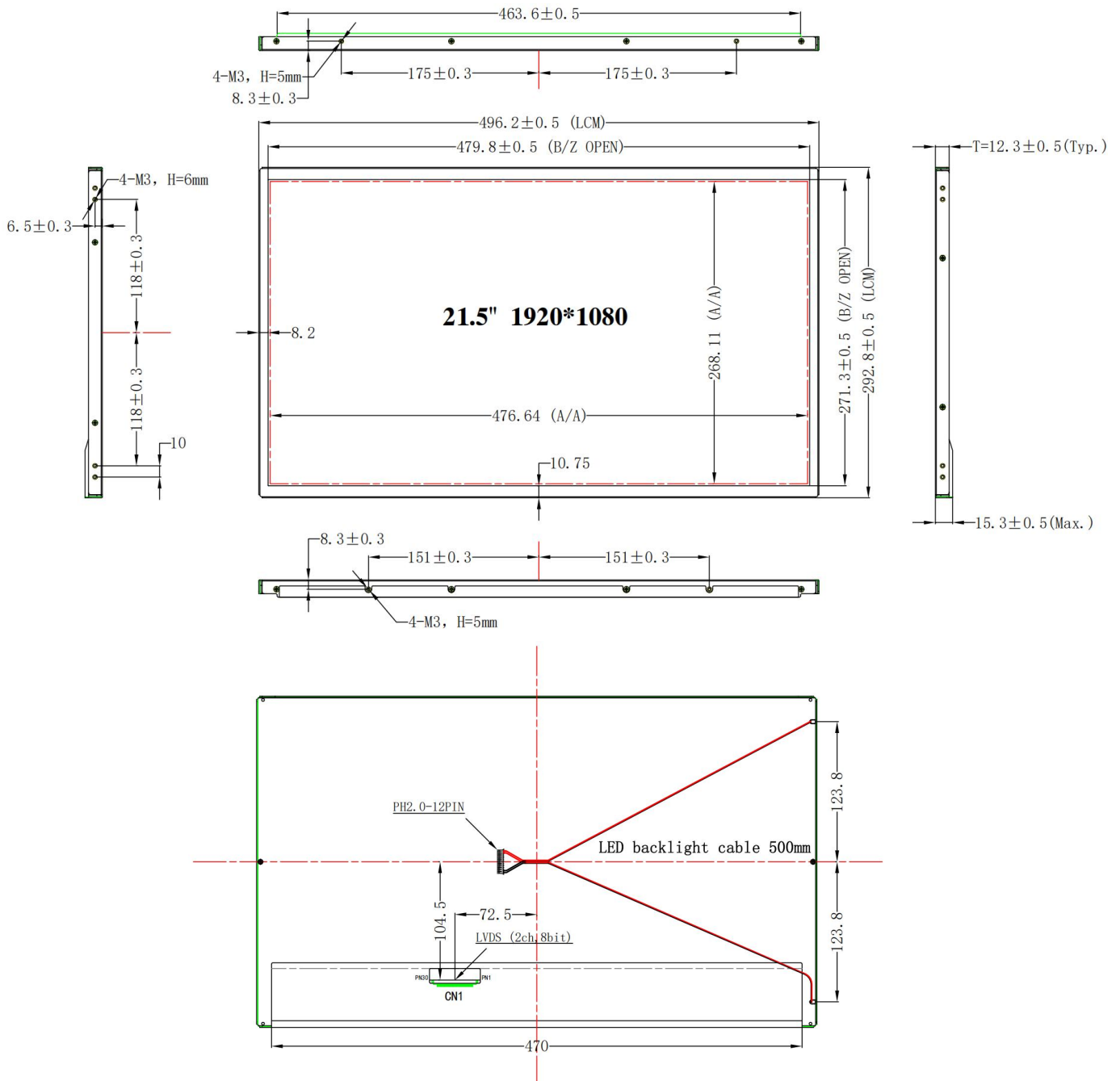
- It is one of ultra-bright LCD modules with outdoor usage
- 21.5 inch 1080P & 2000 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required to meet the needs of military and medical application scenarios.



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	2000cd/m ² (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	81W (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

Drawing



Definition

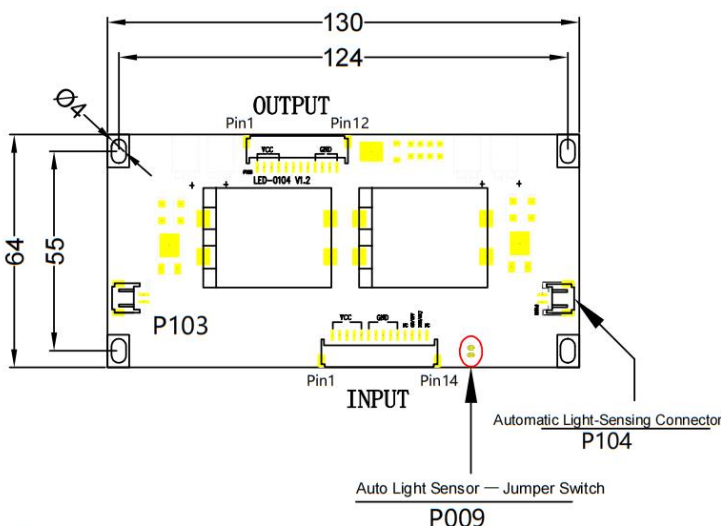
INTERFACE CONNECTION.

Electrical Interface Connection



- CN1 Module Side Connector : UJU IS100-L300-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)

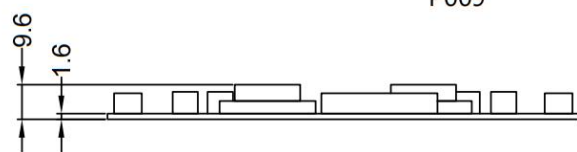
PIN	Symbol	Description	note
1	VCC	Power supply voltage +24V	
2	VCC	Power supply voltage +24V	
3	VCC	Power supply voltage +24V	
4	VCC	Power supply voltage +24V	
5	VCC	Power supply voltage +24V	
6	GND	Power ground	
7	GND	Power ground	
8	GND	Power ground	
9	GND	Power ground	
10	GND	Power ground	
11	NC	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

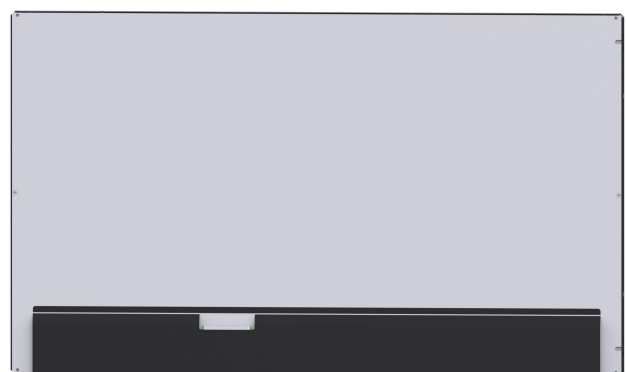
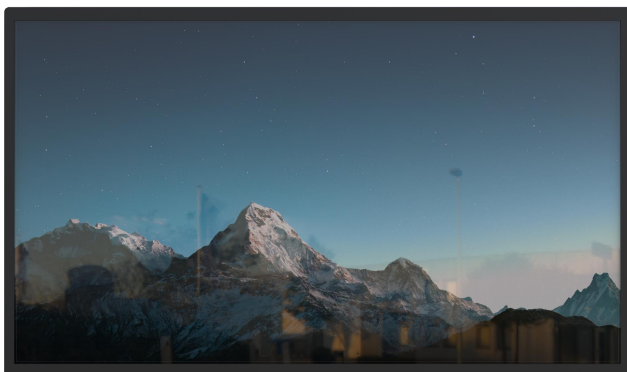
Symbol	Definition	Description	note
P103	Temperature sensor	The temperature control range is 65~70°C.	
P104	Light sensor	Brightness adjustment range is 30%-100%.	



Packing Details

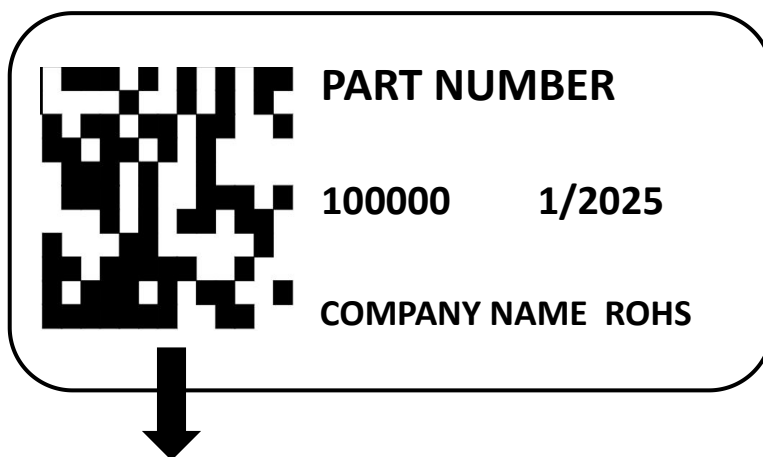
Item content		Specifications
Sample Eco-friendly Wooden	Package dimensions	615.00mm(H) * 530.00mm(V) * 405.00mm(D) (Typ.)
	Packaging quantity	1pcs / 6pcs
	Gross weight	24kg / 36.5kg ±5%
36pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	555.00mm(H) * 740.00mm(V) * 1035.00mm(D)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

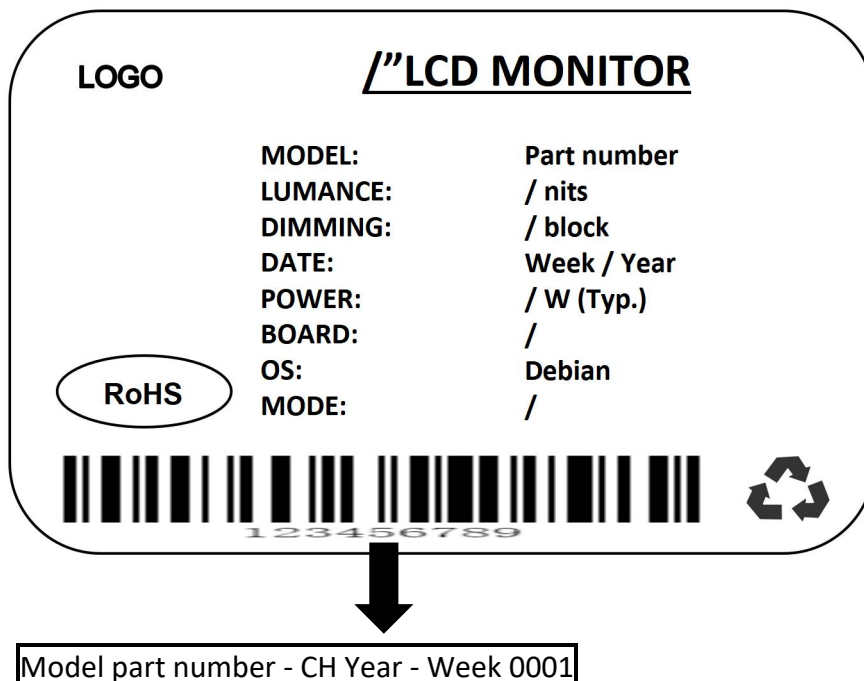


Appendix

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