

Product Brief

YZ238MEH20H-V0

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

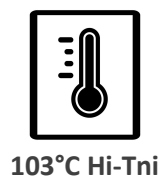
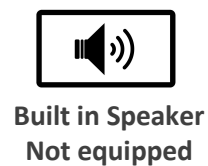
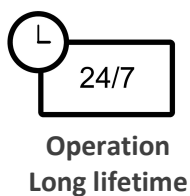
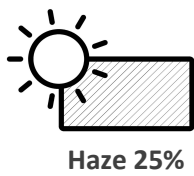
Approved by : Boen Liu

Document History

Doc Version	Date	Description	Issued by
1.0	2026-01-01	Standard model / CD05	Sam Wu

Product Features

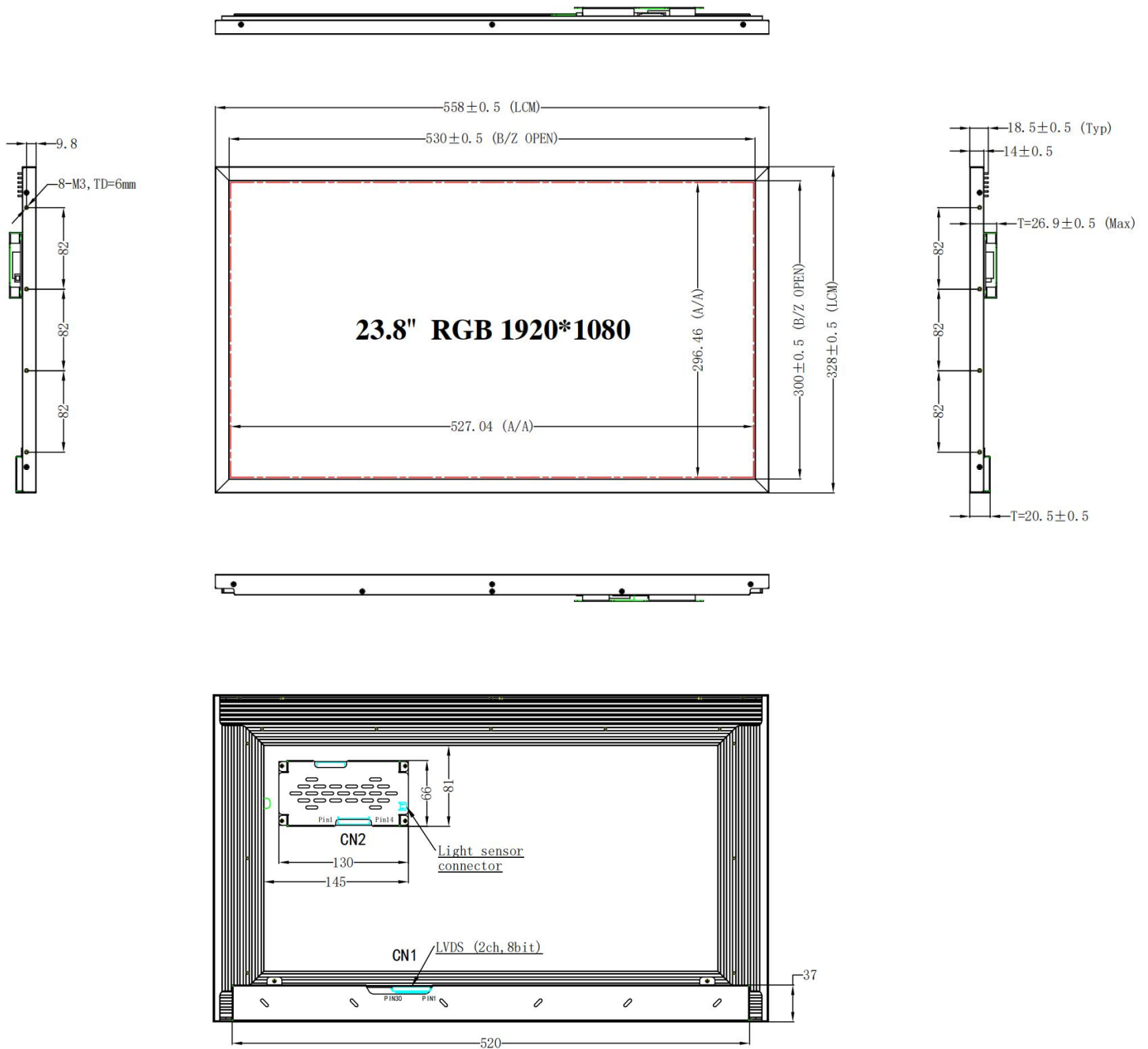
- It is one of ultra-bright LCD modules with outdoor usage
- 23.8 inch 1080P & 2000 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required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



General Features

Item content		Specifications
Display Parameters	Resolution	1920(RGB) * 1080(FHD)
	Active area	527.04mm(H) * 296.46mm(V)
	Pixel pitch	0.2745mm(H) * 0.2745mm(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.) & 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	DV238FHB-R02 & 103°C (Hi-Tni)
	Casing color	White aluminum
	Power supply	/
	Fans	/
	Power consumption	74W (Typ.) ±5%
	Overall dimensions	558.00mm(H) * 328.00mm(V) * 26.90mm(D) (Typ.)
	Weight	3.2kg ±0.2
	Motherboard	/
	Board connectivity	/
	OS	/
	IP rating front/rear	None / None
	TEMP operating/storage	-20°C~70°C / -30°C~80°C
	Humidity	≤90%
	Warranty	24 months

Drawing



Definition

CN1

Pin No	Symbol	Description	Pin No	Symbol	Description
1	RXO0-	Negative Transmission data of Pixel 0 (ODD)	16	RXE1+	Positive Transmission data of Pixel 1 (EVEN)
2	RXO0+	Positive Transmission data of Pixel 0 (ODD)	17	GNG	Power Ground
3	RXO1-	Negative Transmission data of Pixel 1 (ODD)	18	RXE2-	Negative Transmission data of Pixel 2 (EVEN)
4	RXO1+	Positive Transmission data of Pixel 1 (ODD)	19	RXE2+	Positive Transmission data of Pixel 2 (EVEN)
5	RXO2-	Negative Transmission data of Pixel 2 (ODD)	20	RXEC-	Negative Transmission Clock (EVEN)
6	RXO2+	Positive Transmission data of Pixel 2 (ODD)	21	RXEC+	Positive Transmission Clock (EVEN)
7	GND	Power Ground	22	RXE3-	Negative Transmission data of Pixel 3 (EVEN)
8	RXOC-	Negative Transmission Clock (ODD)	23	RXE3+	Positive Transmission data of Pixel 3 (EVEN)
9	RXOC+	Positive Transmission Clock (ODD)	24	GND	Power Ground
10	RXO3-	Negative Transmission data of Pixel 3 (ODD)	25	NC	SCL_VCOM (BOE自用)
11	RXO3+	Positive Transmission data of Pixel 3 (ODD)	26	NC	SDA_VCOM (BOE自用)
12	RXE0-	Negative Transmission data of Pixel 0 (EVEN)	27	NC	Power Ground
13	RXE0+	Positive Transmission data of Pixel 0 (EVEN)	28	VDD	Power Supply: +5V
14	GND	Power Ground	29	VDD	Power Supply: +5V
15	RXE1-	Negative Transmission data of Pixel 1 (EVEN)	30	VDD	Power Supply: +5V

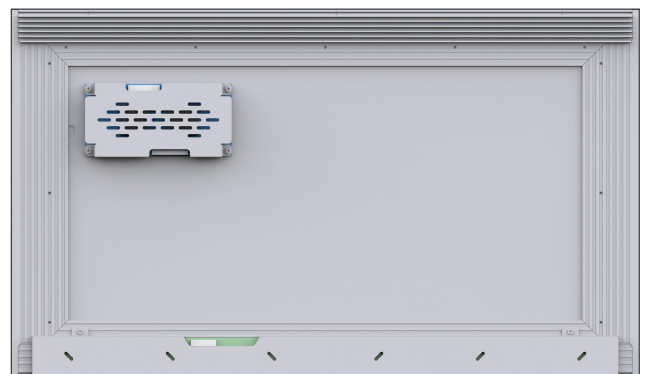
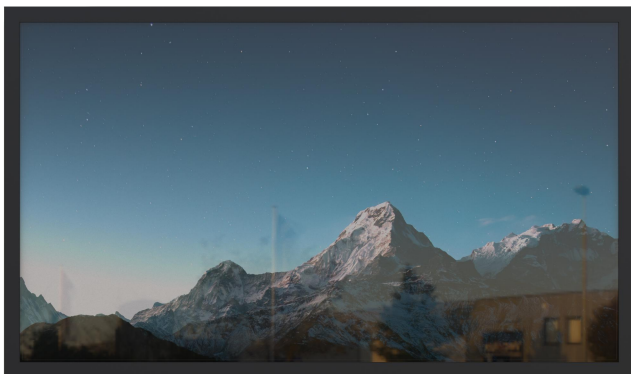
CN2 (PH2.0X14)

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

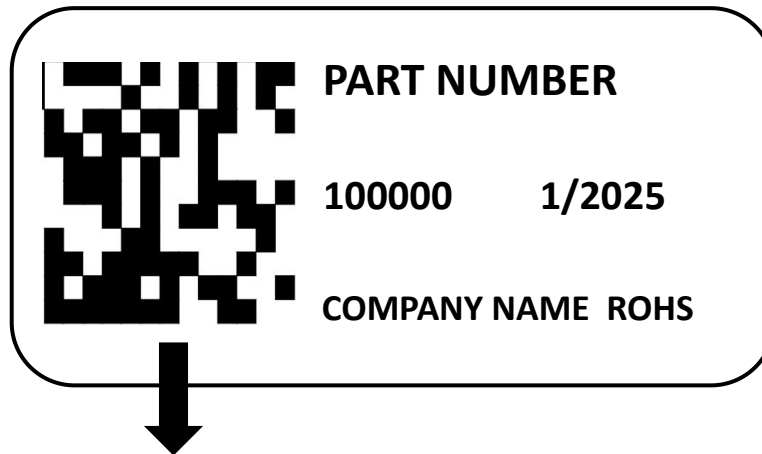
Item content		Specifications
Sample Eco-friendly Wooden	Package dimensions	730.00mm(H) * 610.00mm(V) * 340.00mm(D) (Typ.)
	Packaging quantity	1pcs / 5pcs
	Gross weight	24.7kg / 37.5kg ±5%
40pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	670.00mm(H) * 900.00mm(V) * 1120.00mm(D) (Typ.)
	Packaging quantity	40pcs
	Gross weight	140kg
	Pallet dimensions	675.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)
	Pallet weight	10kg
	Totally dimensions	675.00mm(H) * 1020.00mm(V) * 1135.00mm(D) (Typ.)
	Totally weight	150kg ±5%
80pcs / A Pallet Eco-friendly Corrugated Cardboard Box	Package dimensions	1340.00mm(H) * 900.00mm(V) * 1120.00mm(D) (Typ.)
	Packaging quantity	80pcs
	Gross weight	280kg
	Pallet dimensions	1345.00mm(H) * 120.00mm(V) * 1135.00mm(D) (Typ.)
	Pallet weight	20kg
	Totally dimensions	1345.00mm(H) * 1020.00mm(V) * 1135.00mm(D) (Typ.)
	Totally weight	300kg ±5%

More Image

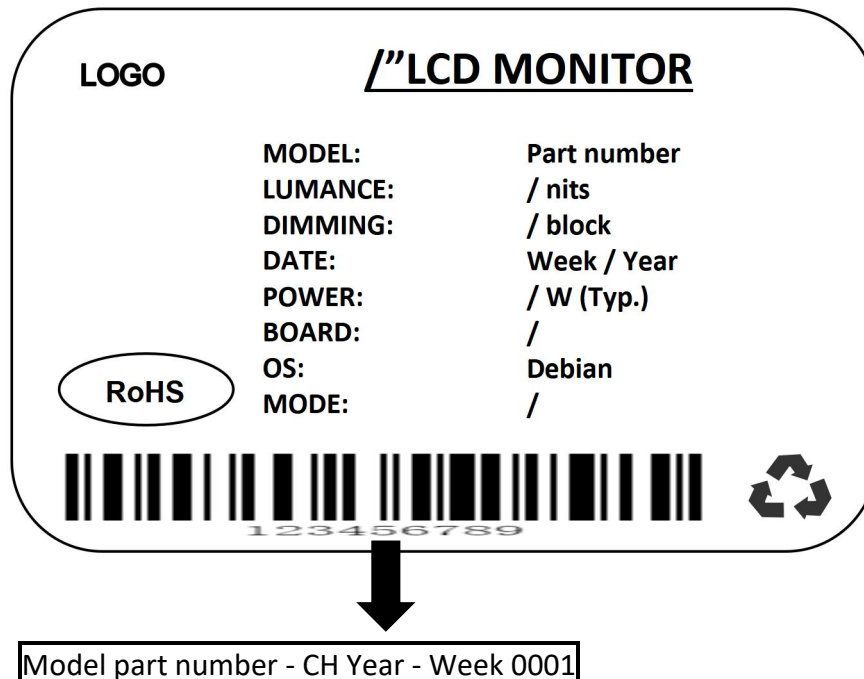


Appendix

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