YZD Solutions

Product Brief

YZ238MEH15H-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

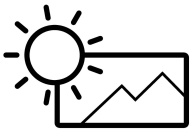
·It is one of ultra-bright LCD modules with outdoor usage

·23.8 inch 1080P & 1500 nits

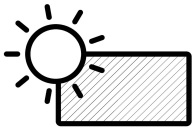
·Series: MD & outdoor aluminum structure & landscape / portrait mode

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

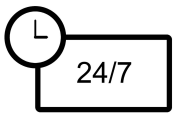
·Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 25%



Operation
Long lifetime

Built in Speaker
Not equipped

Multi touch
Not equipped

AD Board
Not equipped

103°C Hi-Tni

3H

IP65
Not support

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

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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	1500cd/m² (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	52W (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

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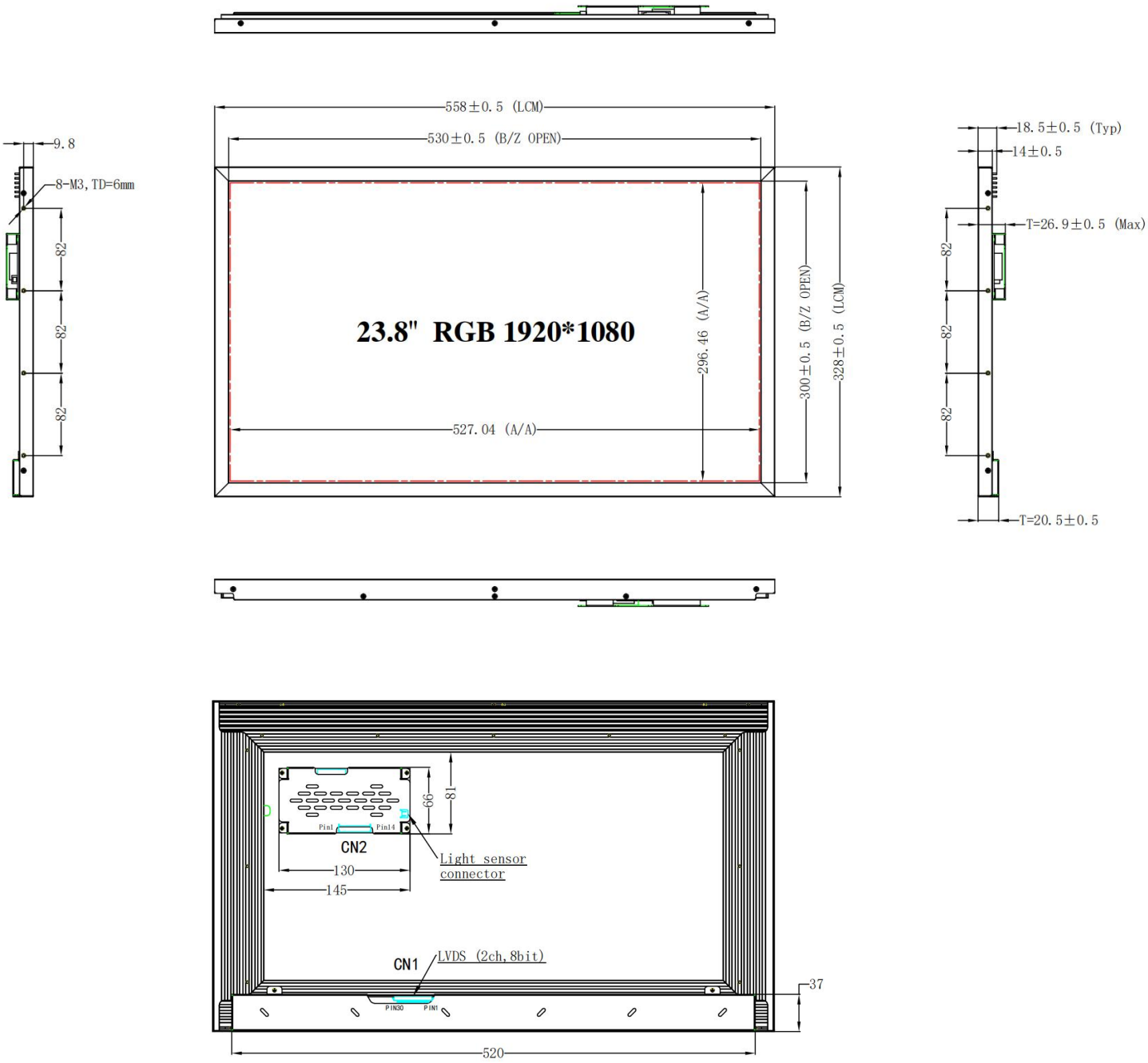
Drawing



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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	

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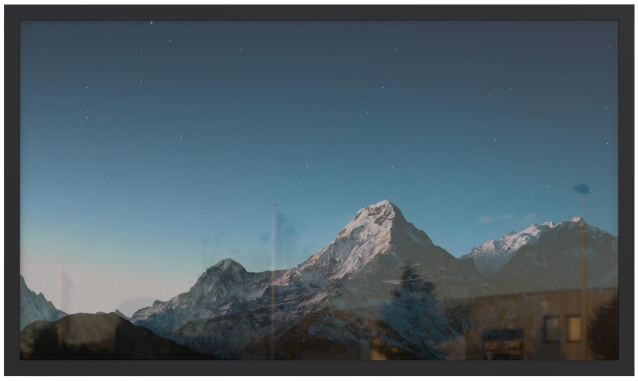
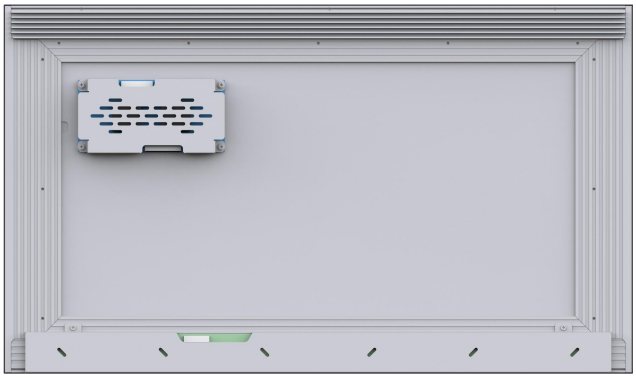
Packing Details

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





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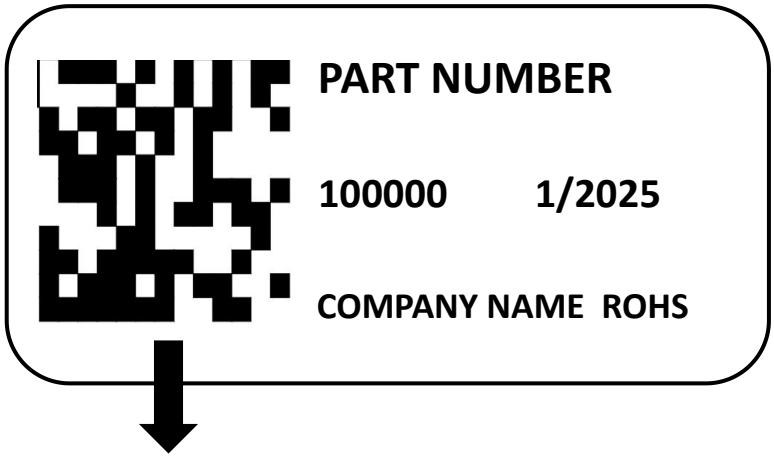
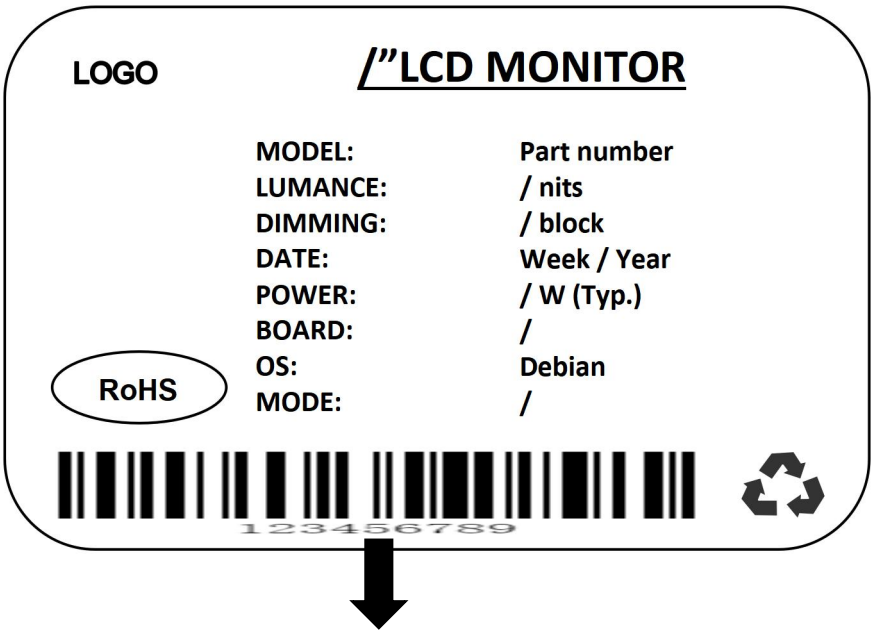
Appendix

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

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