

Product Brief

YZ750MBU25H-V0

2026-01-01

Doc Version 1.0



Issued by : Sam Wu

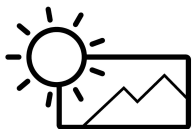
Approved by : Boen Liu

Document History

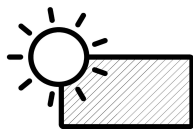
Doc Version	Date	Description	Issued by
1.0	2026-01-01	Standard model / UD02	Sam Wu

Product Features

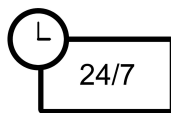
- It is one of ultra-bright LCD modules with outdoor usage
- 75 inch 4K & 2500 nits
- Series: MD & outdoor aluminum structure & landscape / portrait mode
- Suitable for most application scenarios, including commercial displays, industrial use, signage, and exhibitions
- Customized LCD are required to meet the needs of military and medical application scenarios.



Sunlight readable



Haze 1%



Operation
Long lifetime



Built in Speaker
Not equipped



Multi touch
Not equipped



AD Board
Not equipped



80°C Wide-T



3H



IP65
Not support



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

General Features

Item content		Specifications
Display Parameters	Resolution	3840(RGB) * 2160(FHD)
	Active area	1649.664mm(H) * 927.936mm(V)
	Pixel pitch	0.4296mm(H) * 0.4296mm(V)
	Display colors	8-bit(D) + FRC & 1.07 Billion colors
	Backlight type	DLED
	Response time	8ms (G to G) (Typ.)
	Luminance	2500cd/m ² (Typ.) ±5%
	Contrast ratio	1,200 : 1 (Typ.) & 89% (NTSC) (Est.)
	Refresh rate	60Hz (Best)
	Dimming mode	Manual / Automatic & 30% - 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	DV750QUB-R01 & 80°C (Surface)
	Casing color	White aluminum
	Power supply	/
	Fans	/
	Power consumption	657W (Typ.) ±5%
	Overall dimensions	1685.80mm(H) * 964.00mm(V) * 52.50mm(D) (Typ.)
	Weight	38.5kg ±0.2
	Motherboard	/
	Board connectivity	/
	OS	/
	IP rating front/rear	None / None
	TEMP operating/storage	-30°C~80°C / -30°C~80°C
	Humidity	≤90%
	Warranty	24 months

75" RGBW 3840*2160

Technical drawing of the 75-inch RGBW 3840*2160 display assembly, showing front, side, and internal layout views with dimensions and component labels.

Front View Dimensions:

- Top Panel: 1685.8 ± 1.0 (LCM), 1655.8 ± 1.0 (B/Z OPEN)
- Bottom Panel: 1649.664 (A/A)
- Left Panel: 927.936 (A/A)
- Right Panel: 934 ± 1.0 (B/Z OPEN), 964 ± 1.0 (LCM)

Side View Dimensions:

- Top Panel: $T = 40 \pm 0.5$ (Typ.), $T = 52.5 \pm 0.5$ (Max)
- Bottom Panel: 47 ± 0.5 , 50.7 ± 0.5 (TCON)

Internal Layout Dimensions:

- Top Panel: 280 , 280 , 140 , 140 , 280 , 280
- Left Panel: 17
- Bottom Panel: 12 -M4, TD=8mm

Internal Components and Labels:

- Top Panel: CN4, CN4, CN3 (Light sensor connector), CN4
- Bottom Panel: CN4, CN4, Y-chip (8.1mm, 30 pins), CN2, CN4, CN4
- Labels: 16-M4, TD=7mm; 8-M6, TD=8mm

Definition

CN2

Pin No	Symbol	Description	Pin No	Symbol	Description
1	VDD	Power Supply +12.0V	27	GND	Ground
2	VDD	Power Supply +12.0V	28	Rx0n	V-by-One HS Data Lane 0
3	VDD	Power Supply +12.0V	29	Rx0p	V-by-One HS Data Lane 0
4	VDD	Power Supply +12.0V	30	GND	Ground
5	VDD	Power Supply +12.0V	31	Rx1n	V-by-One HS Data Lane 1
6	VDD	Power Supply +12.0V	32	Rx1p	V-by-One HS Data Lane 1
7	VDD	Power Supply +12.0V	33	GND	Ground
8	VDD	Power Supply +12.0V	34	Rx2n	V-by-One HS Data Lane 2
9	NC	No Connection	35	Rx2p	V-by-One HS Data Lane 2
10	GND	Ground	36	GND	Ground
11	GND	Ground	37	Rx3n	V-by-One HS Data Lane 3
12	GND	Ground	38	Rx3p	V-by-One HS Data Lane 3
13	GND	Ground	39	GND	Ground
14	GND	Ground	40	Rx4n	V-by-One HS Data Lane 4
15	NC	No Connection	41	Rx4p	V-by-One HS Data Lane 4
16	NC	No Connection	42	GND	Ground
17	NC	No Connection	43	Rx5n	V-by-One HS Data Lane 5
18	SDA	Tcon_SDA_IN	44	Rx5p	V-by-One HS Data Lane 5
19	SCL	Tcon_SCL_IN	45	GND	Ground
20	NC	No Connection	46	Rx6n	V-by-One HS Data Lane 6
21	NC	No Connection	47	Rx6p	V-by-One HS Data Lane 6
22	Section	L : 1 division, H : 2 division, Default: L	48	GND	Ground
23	NC	No Connection	49	Rx7n	V-by-One HS Data Lane 7
24	GND	Ground	50	Rx7p	V-by-One HS Data Lane 7
25	HTPDN	Hot plug detec	51	GND	Ground
26	LOCKN	Lock detect			

CN1 (PH2. 0X5)

PIN	Symbol	Description	note
1	GND	Power ground	
2	GND	Power ground	
3	VCC	Power supply voltage +12V	
4	VCC	Power supply voltage +12V	
5	VCC	Power supply voltage +12V	

CN3 (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	DC Dimming signal	
14	DIM	PWM Dimming signal	

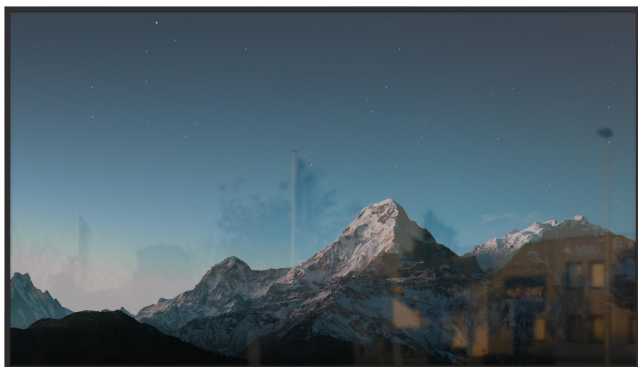
CN4 (PH2. 0X14)

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	NC		
13	NC		
14	NC		

Packing Details

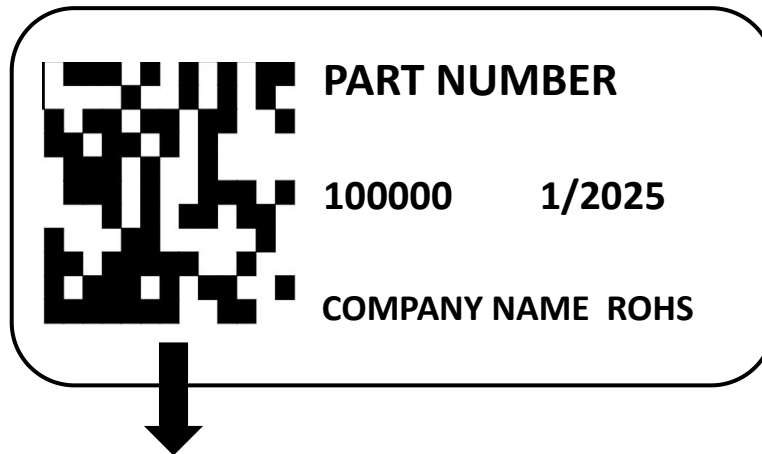
Item content		Specifications
Sample Eco-friendly Wooden	Package dimensions	1845.00mm(H) * 1225.00mm(V) * 410.00mm(D) (Typ.)
	Packaging quantity	1pcs / 3pcs
	Gross weight	98.5kg / 175.5kg ±5%
5pcs / A Pallet Eco-friendly Wooden	Package dimensions	1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.)
	Packaging quantity	5pcs
	Gross weight	192.5kg
	Pallet dimensions	1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.)
	Pallet weight	70kg
	Totally dimensions	1845.00mm(H) * 1225.00mm(V) * 610.00mm(D) (Typ.)
	Totally weight	262.5kg ±5%
7pcs / A Pallet Eco-friendly Wooden	Package dimensions	1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.)
	Packaging quantity	7pcs
	Gross weight	269.5kg
	Pallet dimensions	1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.)
	Pallet weight	80kg
	Totally dimensions	1845.00mm(H) * 1225.00mm(V) * 810.00mm(D) (Typ.)
	Totally weight	349.5kg ±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

