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BTQ Cabinet
Product specification

Rev. 2

BOE MLED Technology Co., Ltd.

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1. Product introduction

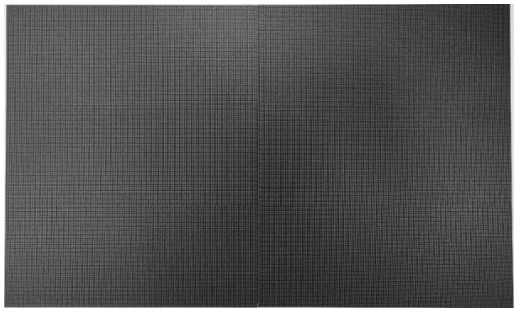
1.1 Scope of application

This cabinet product specification is matched with the indoor 320mm * 160mm module, which is a full-color cabinet suitable for indoor environment.

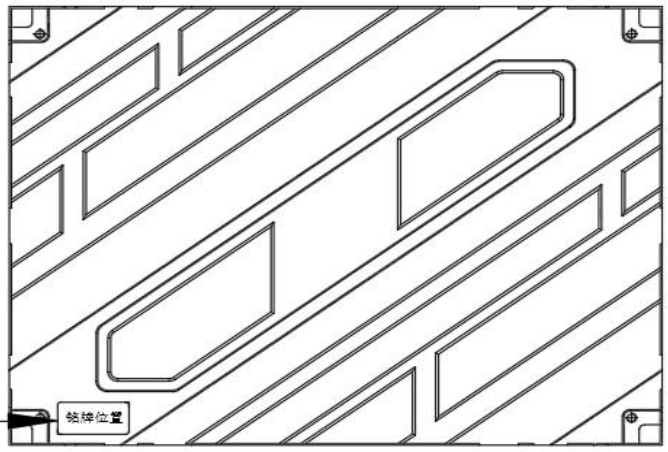
1.2 Product description

- This product uses SMD lamp beads, which are packaged with one red, one green and one blue chip;
- The lamp beads are soldered on the PCB board through surface mounting technology (SMT);
- This product is controlled by a computer using a PWM driver IC chip and an integrated row driver chip;
- The lamp bead and the chip are mounted on the PCB board to form a unit board, and then mounted on the bottom shell to form a module.

1.3 Product images

Front view	Back view	Side view
		

1.4 Nameplate location plan



Position of box nameplate

1.5 Nameplate drawing



P1.53



P1.86

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P2.0



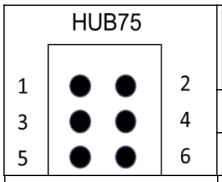
P2.5

2. Product specifications

Category	Parameter	Specification
Cabinet parameters (No module)	Cabinet module arrangement	2*3
	Cabinet resolution	416*312(P1.5)/344*258(P1.8)/320*240(P2.0)/256*192(P2.5)
	Cabinet size ± tolerance (mm × mm × mm)	639.85±0.10*479.85±0.10*44±0.10
	Weight of single cabinet ± tolerance (Kg)	3.66Kg±0.1
	Maintenance mode	Front maintenance
	Cabinet material	Die cast aluminum
	Cabinet flatness (mm)	≤0.25
Electrical parameters	Maximum power consumption of cabinet (W)	≤120
	Average active power consumption (W/m^2)	≤130
	Maximum active power consumption (W/m^2)	≤390
	Power supply requirement (V)	220
System control	Control mode	Network port
	Control distance	Category 5e twisted-pair cable, over 100 meters using optical fiber transmission
Use the parameter	Typical life value (hrs)	100000
	Operating temperature range (℃)	-10℃-40℃
	Storage temperature range (℃)	-20℃-50℃
	Operating Humidity Range (RH)	-10% -60% (no condensation)
	Storage Humidity Range (RH)	-10% -65% (no condensation)
Degree of protection	Degree of protection	IP50

3. Cabinet body and module signal interface

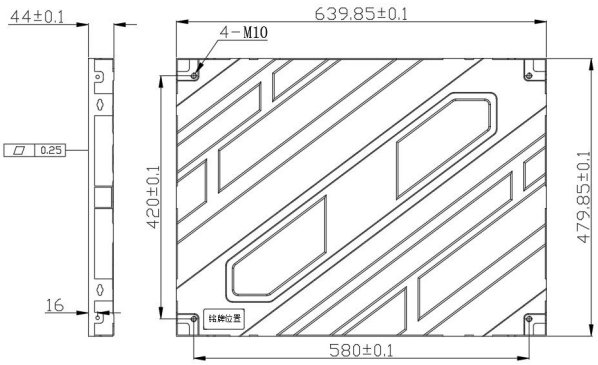
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Pin	Signal	Function	Pin	Signal	Function
1	R1	Red data signal	2	G1	Green data signal
3	B1	Blue data signal	4	GND	Power ground
5	R2	Red data signal	6	G2	Green data signal
7	B2	Blue data signal	8	N	Hanging in the air
9	A	Line control signal	10	B	Line control signal
11	C	Line control signal	12	N	Hanging in the air
13	CLK	Clock signal	14	LAT	Latch signal
15	OE	Enable signal	16	GND	Power ground

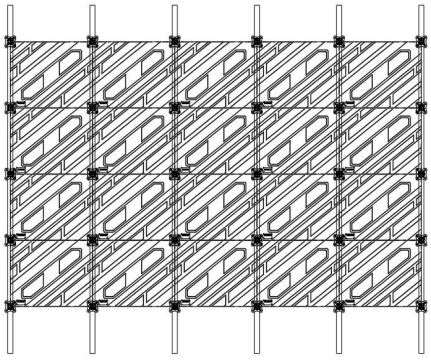
4. Mounting hole position

4.1 Module mounting hole location map (unit: mm)

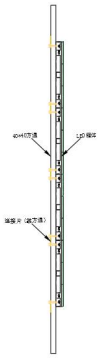


5. Product installation and maintenance

5.1 Installation mode of box (schematic diagram+description)



Rear view of steel structure



Side view

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5.2 Moduleinstallationmethod(diagram+description)

