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# BTQ Cabinet

## Product specification

**Rev. 0**

**BOE MLED Technology Co., Ltd.**

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## 1. Product introduction

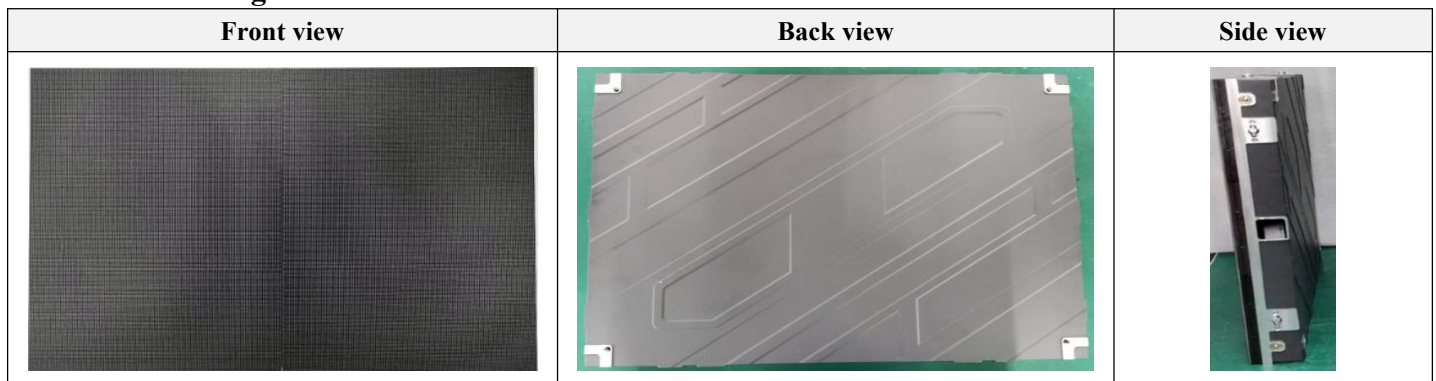
### 1.1 Scope of application

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

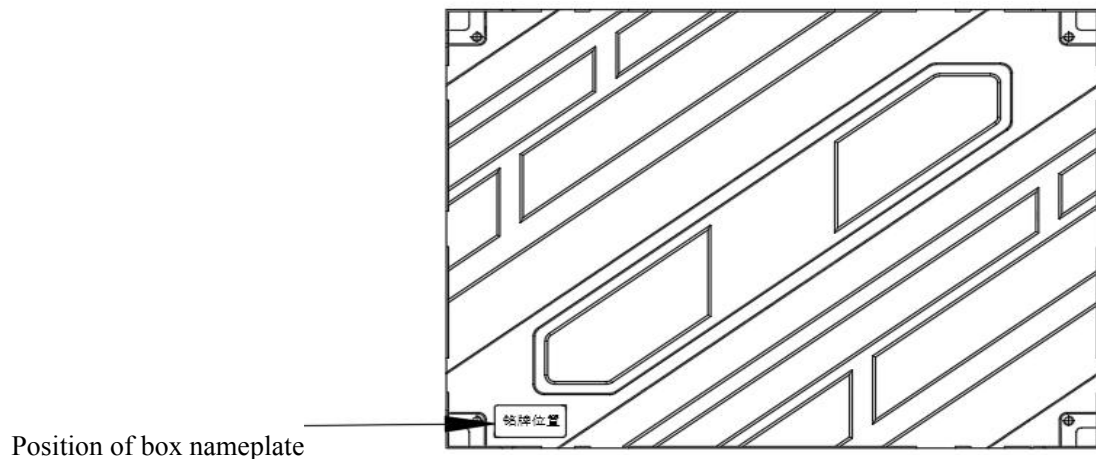
### 1.2 Product description

- 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



### 1.4 Nameplate location plan



### 1.5 Nameplate drawing





2. Product specifications

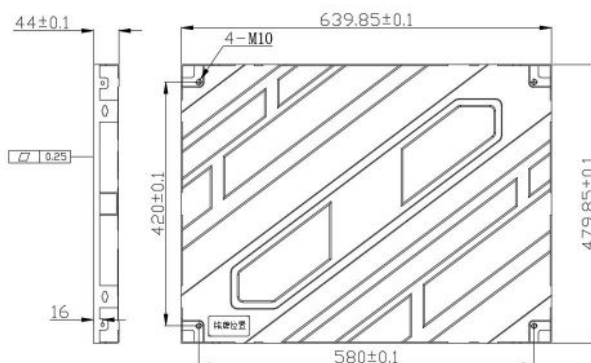
Category	Parameter	Specification
Cabinet parameters (No module)	Cabinet module arrangement	2*3
	Cabinet resolution	416*312(P1.5)/344*258(P1.8)/320*240(P2.0)/256*192(P2.5)
	Cabinet size ± tolerance (mm × mm × mm)	639.85±0.10*479.85±0.10*44±0.10
	Weight of single cabinet ± tolerance (Kg)	3.66Kg±0.1
	Maintenance mode	Front maintenance
	Cabinet material	Die cast aluminum
	Cabinet flatness (mm)	≤0.25
Electrical parameters	Maximum power consumption of cabinet (W)	≤150
	Average active power consumption (W/m2)	≤280
	Maximum active power consumption (W/m2)	≤560
	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)	10000
	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	IP30

3. Cabinet body and module signal interface

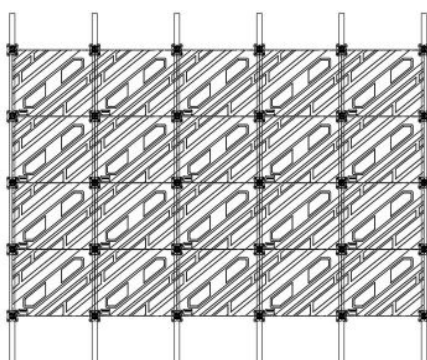
HUB75		Pin	Signal	Function	Pin	Signal	Function
1	2						
3	4	1	R1	Red data signal	2	G1	Green data signal
5	6	3	B1	Blue data signal	4	GND	Power ground

	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

#### 4.1 Module mounting hole location map (unit: mm)



### 5.1 Installation mode of box (schematic diagram + description)



Side view

## 5.2 Module installation method (diagram + description)

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