



SHENZHEN KMTEKLED PHOTOELECTRICITY CO., LTD

Product Specification



KMT EH1.98-PRO COB SERIES

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1. Product Description

This product is outdoor rental of micro COB series, the standard cabinet size is 500*500mm . With up to 3840Hz refresh frequency. Optional with radian locks and can achieve arc splicing. The die casting cabinet with anodic oxidation which is resistant to collision and friction, it's suitable for multiple set up and dis assembly in the leasing process.

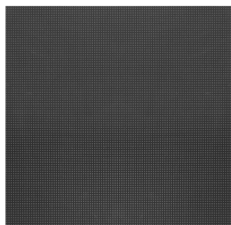
1.1 Application Scope

This technical specification is only applicable to KMT outdoor EH1.98-Pro-COB series product.
Module size:250*250mm and its supporting die cast aluminum cabinet:500*500mm.

1.2 Product Features

- With complete front installation and maintenance, with a stable structure;
- Hard-wired power box, no wiring, more beautiful ;
- the Up and down connect with the big magnetic screw, within Automatic Suction function
- Optional with radian locks and arc seamless splicing ,high brightness high contrast with perfect performance and suitable for all different rental occasions;
- Adopt Flip chip COB technology , low consumption, and more stable;
- Big high-quality chip, pure gold bonding wires , and pads are immersed gold technology, which is more reliable ;
- Flip Chip COB support common cathode solution , excellent heat dissipation and low light decay;

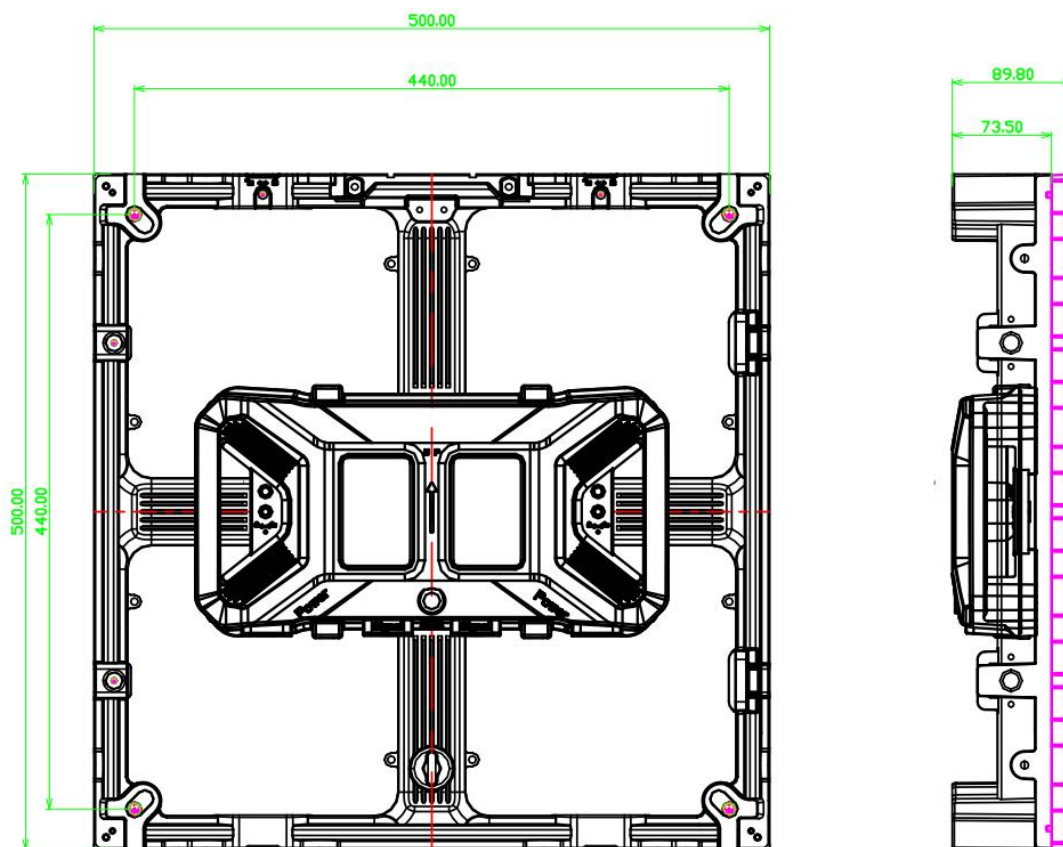
2. 250mmx250mm Module Specification

Item	Specification	Module picture
Series	Module	
Material	Plastic	
Pixel Pitch	1.984mm	
Resolution	126x126	
Module Size	250mmx250mm (W x H)	
Module Weight	650g±10g	

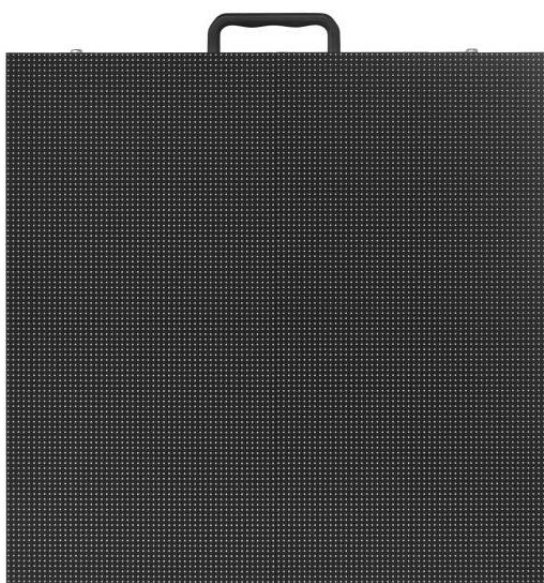
3. 500mmx500mm Cabinet Specification

Item	Specification	Cabinet picture
Series	E-pro COB Series	
Cabinet Material	Die-casting aluminum	
Pixel Pitch	1.984mm	
Resolution	252X252	
Cabinet Size	500mmx500mm (W x H)	
Cabinet Weight	7.8kg	

6. Cabinet Dimension Structure



7. Cabinet Picture



Front View

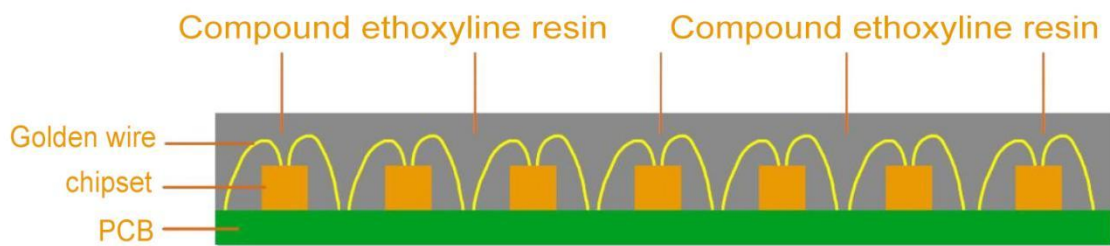


Back View

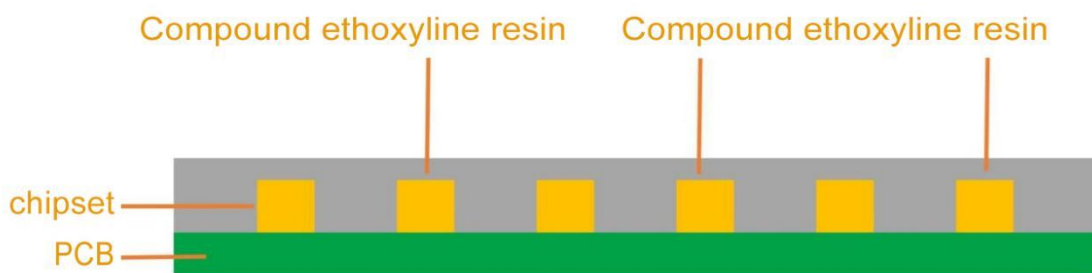
8. Technical Parameter

Item	EH1.98-Pro Standard configuration	EH1.98-Pro Advanced configuration	EH1.98-Pro Standard configuration	EH1.98-Pro Advanced configuration
Power supply method	Common anode		Common cathode	
Pixel Pitch (mm)	1.984		1.984	
Receiving Card	A10s PLUS-N	A10s PRO	A10s PLUS-N	A10s PRO
Module Calibration	General calibration	Full grey-scale calibration	General calibration	Full grey-scale calibration
Dynamic engine	No	Yes	No	Yes
Physical Density(dot/m²)	254016		254016	
LED Configuration	1R1G1B		1R1G1B	
Module Resolution(PX*PX)	126X126		126X126	
Scanning mode	21S		21S	
Brightness	3000	3000	3000	3000
Grey Scale (Bit)	13	13	13	13
Refresh Rate(HZ)	3840	3840	3840	3840
Module Kit Material	Plastic		Plastic	
Horizontal View Angle(Deg)	160 (±10)		160 (±10)	
Vertical View Angle (Deg)	160 (±10)		160 (±10)	
Driving IC	ICN2165+ICN2018	MBI5264+ICN2018	ICN2169+ICN2019	
Module Size (W ×H ×D)mm	250X250X15		250X250X15	
Module Weight	650±10g		650±10g	
Module Flatness (mm)	≤0.1 mm		≤0.1 mm	
Structural features	LED and Drive IC all -in -one		LED and Drive IC all -in -one	
Input voltage(DC)	5V		3.2V+4.2V	
Max.Rated Current	9 A		4A+5A	
Module Max Power Consumption	45 W		34W	
MBTF	≥10000 hours		≥10000 hours	
Life time	≥50000 hours		≥50000 hours	
Malfunction Dot rate	< 1/100000		< 1/100000	
Interface Definition	HUB320		HUB320	
Working Environment	Outdoor		Outdoor	
Working Temperature	-20°C~+50°C		-20°C~+50°C	
Working Humidity	10%~90%		10%~90%	

8.1 Package Comparison.

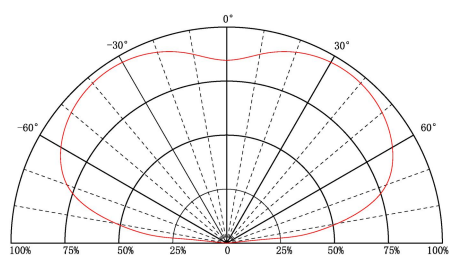
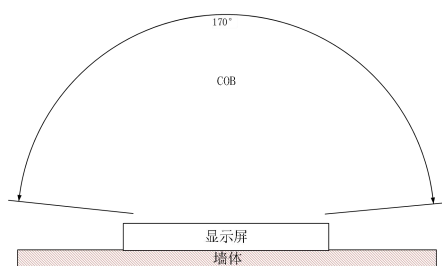


COB (regular technology)



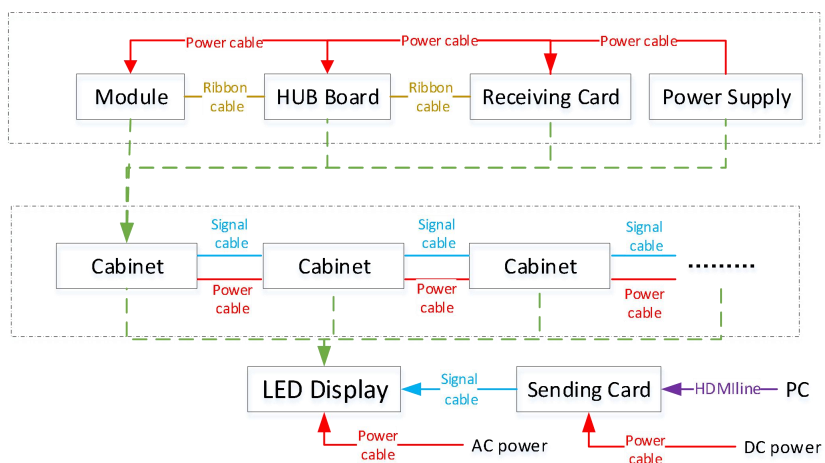
Flip Chip COB

8.2 Optical Feature



Light Angle and Schematic Diagram

9. Connecting Diagram



10. Packing and After-sale Service

10.1 Packing

Plywood case/Honeycomb carton/Flight case option



10.2 After-sale Service

If need any help during using KMT display, please for free to contact your salesman.