



SHENZHEN KMTEKLED PHOTOELECTRICITY CO. , LTD

## Product Specification



### KMT-INDOOR X-COB SERIES

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## 1. Product Description

KMT Indoor X-COB Series Product.

Standard module:250mm\*250mm,Use a die-cast aluminum cabinet Support cabinet size: 1000mm\*500mm/1000mm\*250mm/500mm\*500mm/500mm\*250mm. Module adopts COB packaging technology, which effectively improves the reliability of LED display,luminous color,protective performance,surface light,delicate and soft display,and better visual effect.

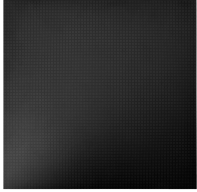
### 1.1 Application Scope

This technical specification is only applicable to KMT indoor X-COB series product.Module size:250mm\*250mm and its supporting die casting aluminum cabinet:1000mm\*500mm/1000mm\*250mm/500mm\*500mm/500mm\*250mm mix.

### 1.2 Product Features

- Module size:250mm\*250mm, compatible pitch:1.25/1.56/1.95mm,,matching COB technology, effectively improve the small pitch display products waterproof,dust-proof,anti-touch,anti-bump,to meeting the needs of different fixed display;
- Cabinet size:1000mm\*500mm/1000mm\*250mm/500mm\*500mm/500mm\*250mm,Support 90° led screen,cube led screen;
- Module no plastic housing,wire design,high precision,high stability, beautiful interior,convenient module assembly,high surface flatness of the screen,quick installation and easy maintenance;
- Support double backup of power supply and control system;
- Front and rear installation,front service,saving space and cost,supports different sizes of cabinets mixed;

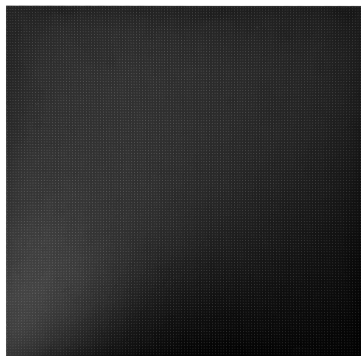
## 2. 250mm\*250mm Module Specification

Item	Specification	Module Picture
Series	X-COB Series	
Material	No Plastic housing	
Pixel Pitch	1.25mm,1.56mm,1.95mm	
Resolution	200*200,160*160,128*128(W*H)dot	
Module Size	250*250(W*H)mm	
Module Weight	150g ± 10g	

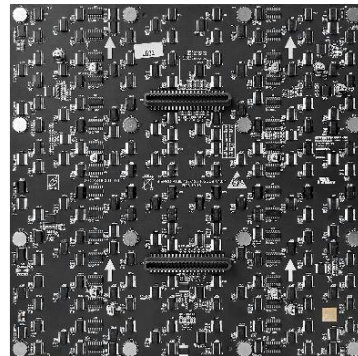
### 3. General 500mm\*500mm Cabinet Specification

Item	Specification	Cabinet Picture
Series	X-COB Series	
Material	Die-casting aluminum	
Pixel Pitch	1.25mm, 1.56mm, 1.95mm	
Resolution	400*400, 320*320, 256*256(W*H)dot	
Cabinet Size	500*500*50(W*H*D)mm	
Cabinet Weight	6.4Kg	

### 4. Module Picture (COB)

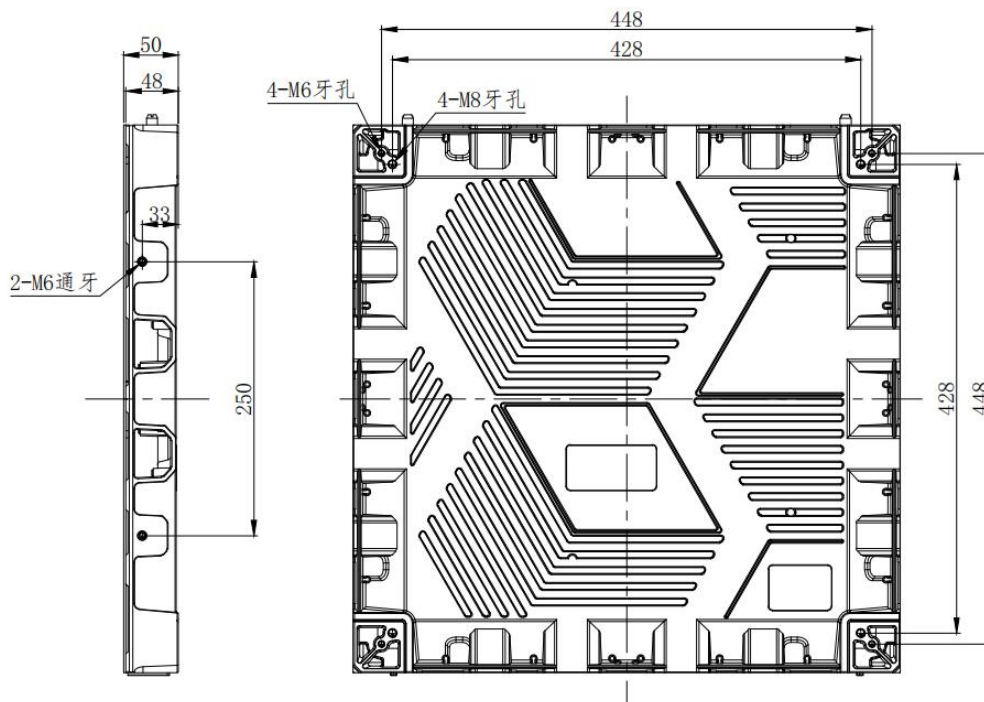


Front View

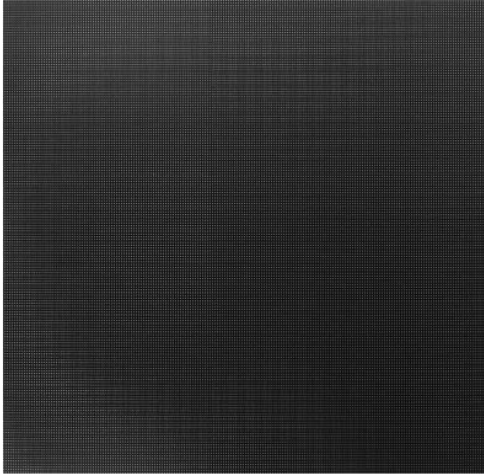


Back View

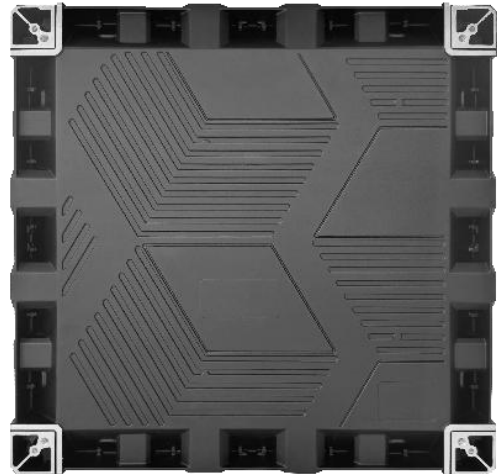
### 5. Cabinet Dimension Structure



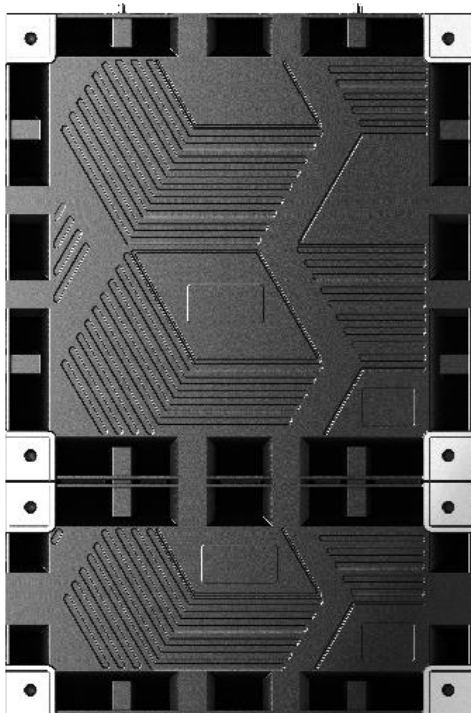
## 6. Cabinet Picture



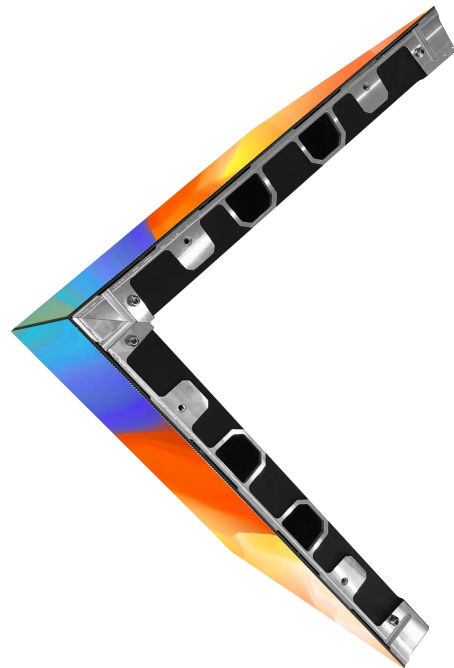
Front View



Back View



Multi sizes mixed

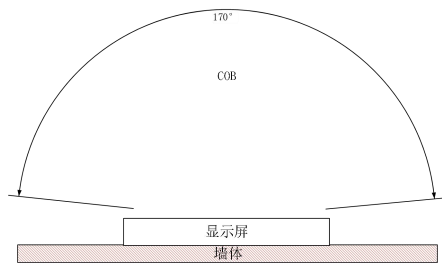


90° led screen

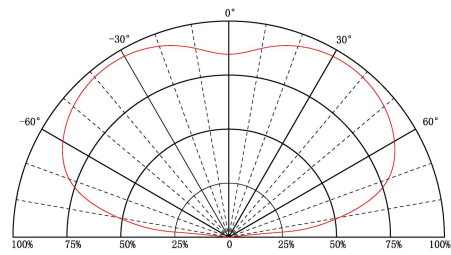
## 7. Technical Parameter

Item	Specification	X1.25	X1.56	X1.95	X1.95
Module Parameter	Pixel Pitch (mm)	1.25	1.56	1.95	1.95
	Pixel Structure	COB 1R1G1B Virtual	COB 1R1G1B Flip Chip Process		
	Pixel Density(dot//m <sup>2</sup> )	640,000	409,600	262,144	262,144
	Module Size(W*H)(mm)	250*250	250*250	250*250	250*250
	Backshell Material	No Backshell			
	Module Resolution(W*H)(dot)	128*128	160*160	128*128	128*128
	Maximum Current(A)	4	4	5	4
	Supply Voltage(V)	5	5	5	5
	Scanning Method	1/50	1/40	1/16	1/64
	Refresh Frequency(Hz)	≥3840	≥3840	≥3840	≥3840
	Illumination(cd//m <sup>2</sup> )	600~700	600~700	600~700	600~700
	Driver IC	Constant Current Drive			
	Contrast Ratio	≥8000:1	≥8000:1	≥8000:1	≥8000:1
Cabinet Parameter	Cabinet Size(W*H*D)	500*250*50/ 500*500*50 / 1000*250*50 / 1000*500*50		500*250*50 500*500*50	
	Cabinet Material	Die Casting Aluminum			
	Cabinet Weight(kg)	4.3/6.4/8.9/11.5		4.3/6.4	
	Enclosure Connection Method	Screw Fixing			
	Installation/Maintenance Methods	Front and Rear Installation/Front Maintenance			
	Color Temperature /Luminance Uniformity	3200-9300K; ≥98%			
	Chromatic Uniformity	±0.003Cx,Cy			
	Horizontal/Vertical View	≥170°			
	Single-point Color Correction	Yes			
	Single Point Brightness Correction	Yes			
	Standard Receiver Card	A8S-Pro	A8S-N		
	Frame Rate(Hz)	50/60			
	Protection Level	IP30			
	Signal Interface Mode	RJ45			
	Power Interface Method	Three Pole Flat Connector			
	Input Voltage Range AC(V)	100-240			
	Peak Power Consumption(W/m <sup>2</sup> )	≤350	≤350	≤440	≤350
	Average Power Consumption(W//m <sup>2</sup> )	≤170	≤170	≤220	≤170
	Working Temperature and Humidity Range	-20°C~+50°C,10%~95%RH			
	Storage Temperature and Humidity Range	-40~+70°C,10%~95%RH			
Service Life(H)	≥100000				
Mean Time Between Failure(H)	≥10000				

## 8.1 Optical Feature

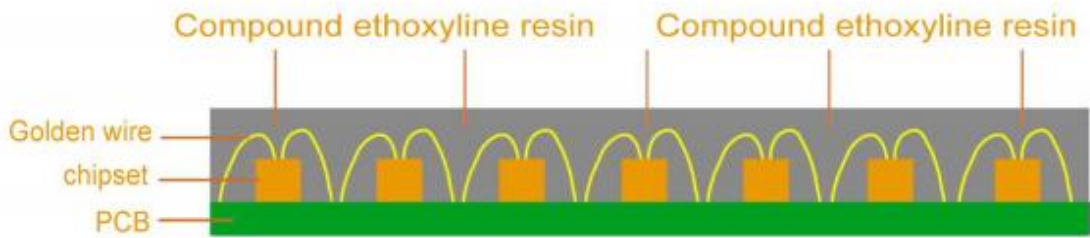


Luminous Diagram

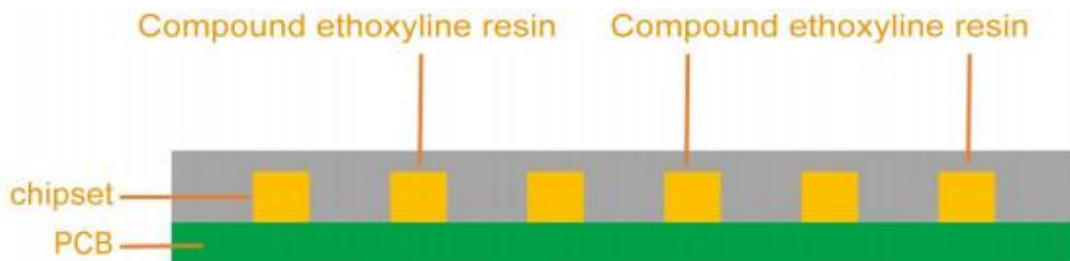


Voltage-current Curve of Lamp

## 8.2 Package Comparison

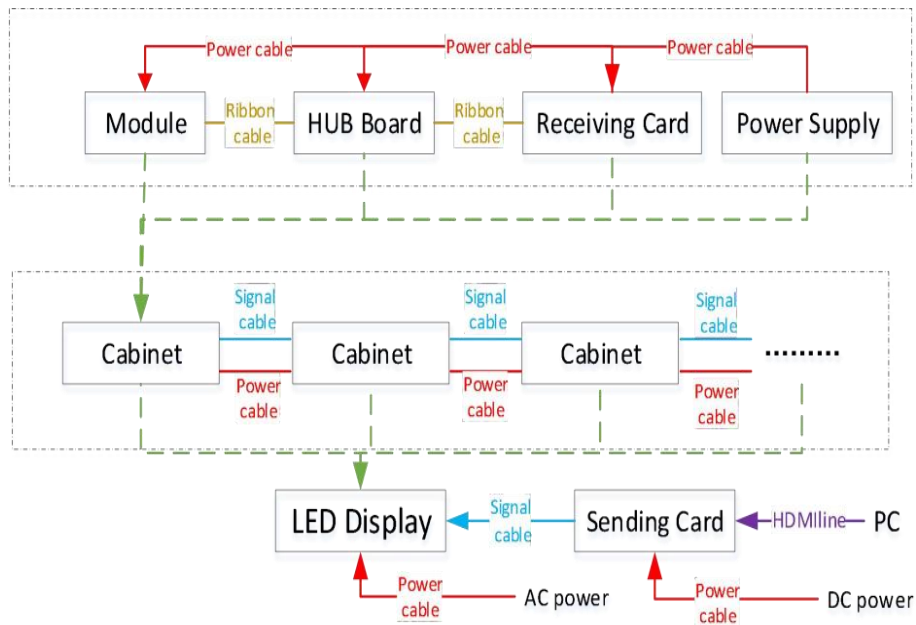


COB (regular technology)



Flip Chip COB

## 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.