



SHENZHEN KMTEKLED PHOTOELECTRICITY CO., LTD

Product Specification



KMT-INDOOR X-COB SERIES

SHENZHEN KMTEKLED PHOTOELECTRICITY CO., LTD

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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.

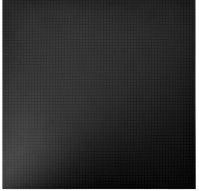
1.1 Application Scope

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.

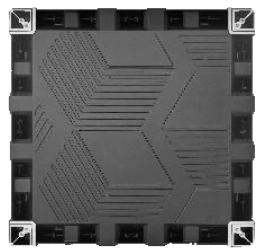
1.2 Product Features

- 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;

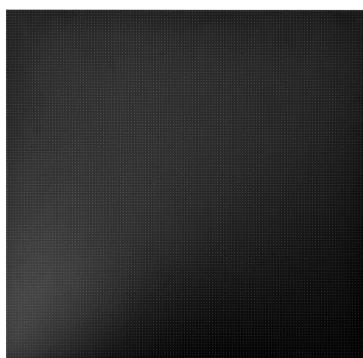
2. 250mm*250mm Module Specification

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	

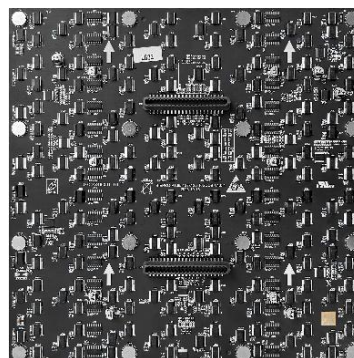
3. General 500mm*500mm Cabinet Specification

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)

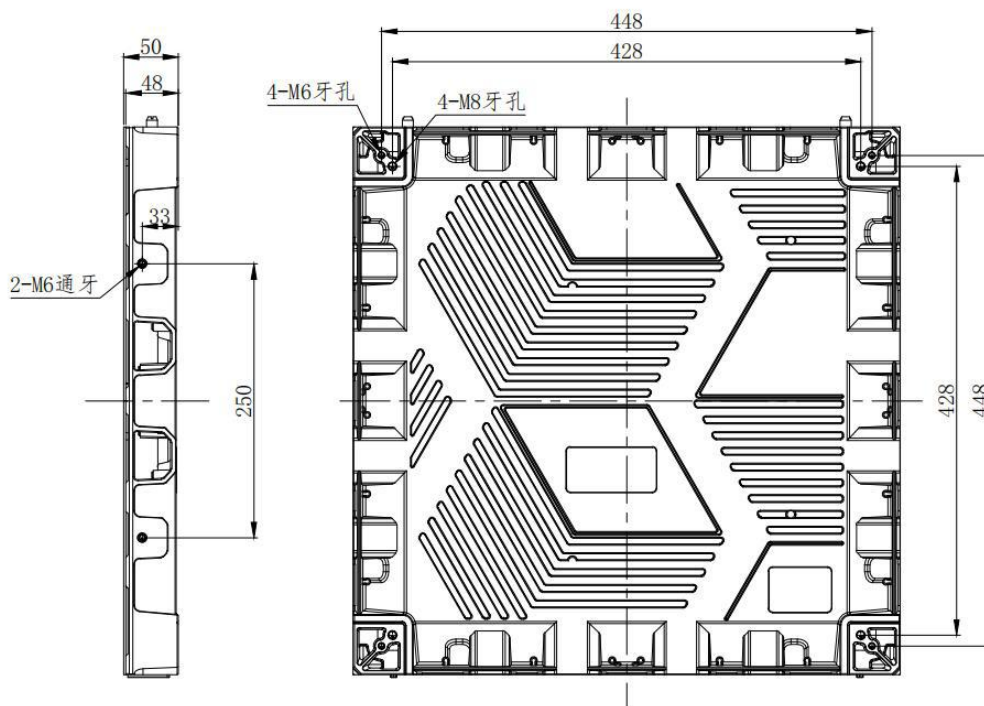


Front View

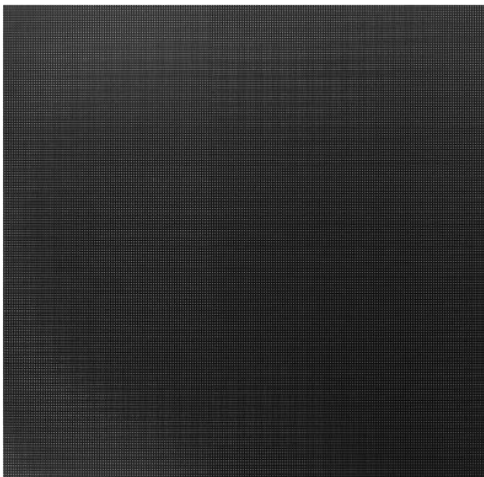


Back View

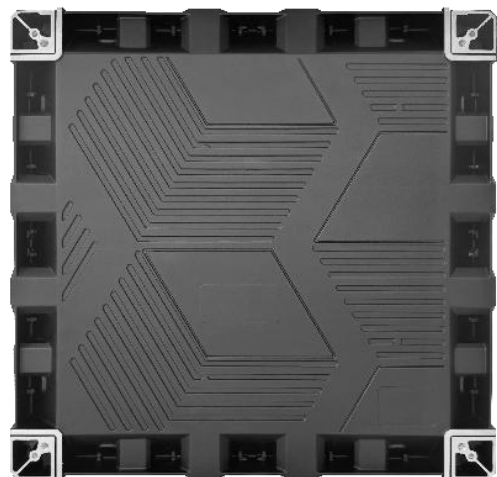
5. Cabinet Dimension Structure



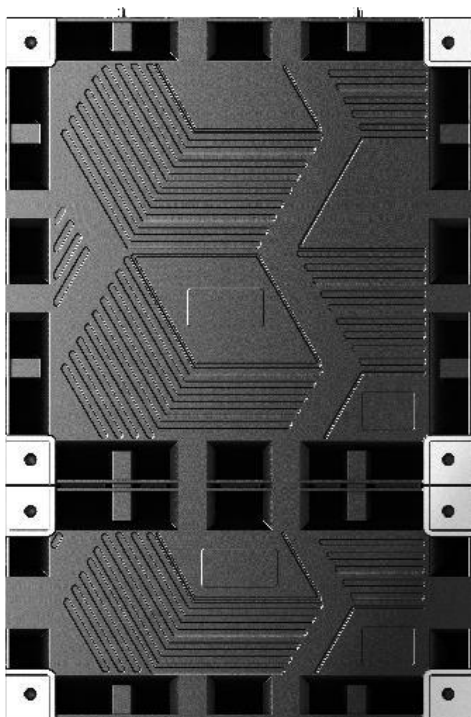
6. Cabinet Picture



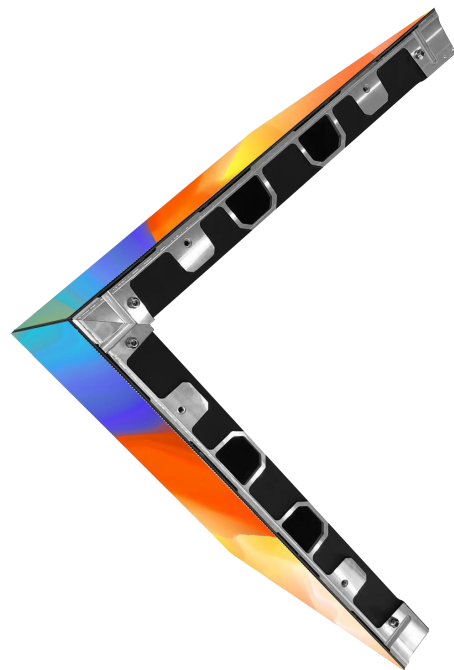
Front View



Back View



Multi sizes mixed

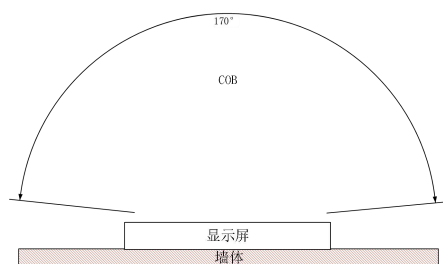


90° led screen

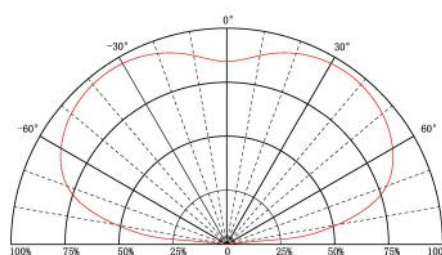
7. Technical Parameter

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//m²)	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//m²)	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/m²)	≤350	≤350	≤440	≤350
	Average Power Consumption(W//m²)	≤170	≤170	≤220	≤170
	Working Temperature and Humidity Range	-20℃~+50℃,10%~95%RH			
	Storage Temperature and Humidity Range	-40~+70℃,10%~95%RH			
	Service Life(H)	≥100000			
	Mean Time Between Failure(H)	≥10000			

8.1 Optical Feature

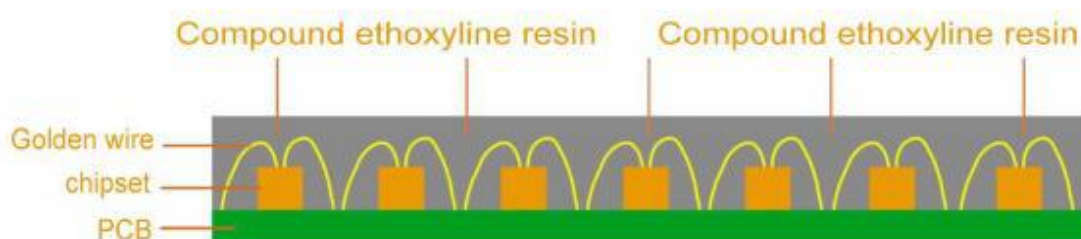


Luminous Diagram

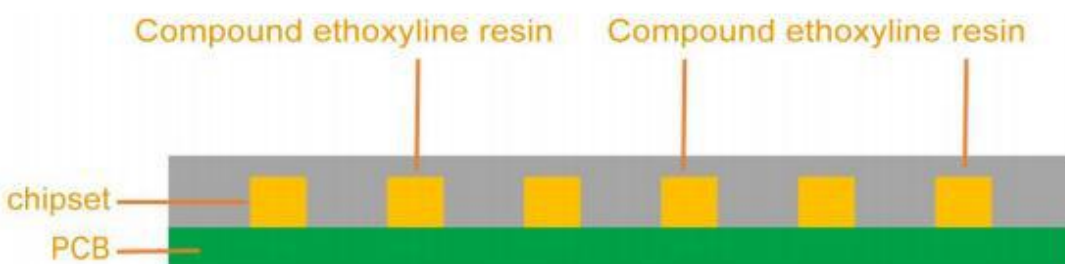


Voltage-current Curve of Lamp

8.2 Package Comparison

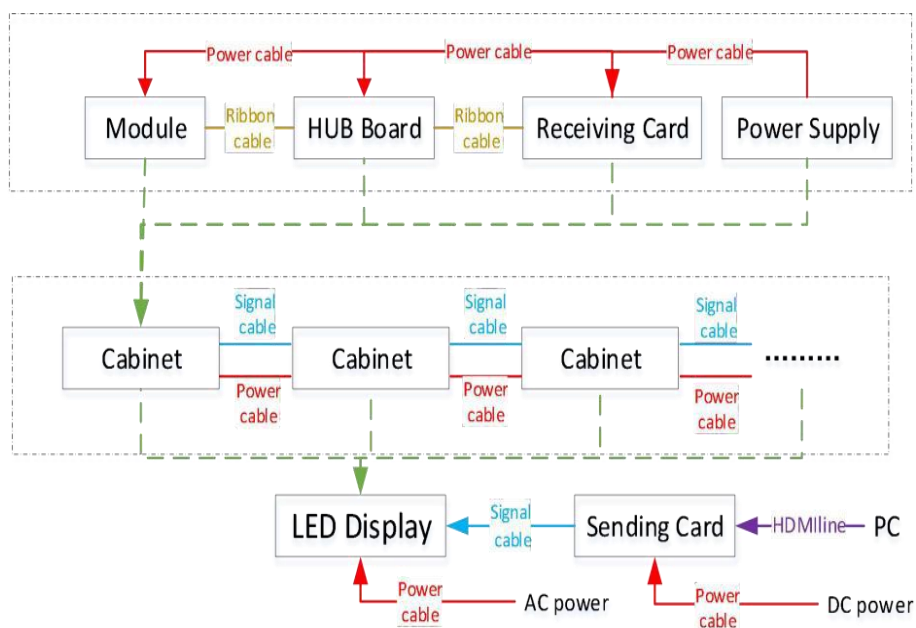


COB (regular technology)



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.