



SHENZHEN KMTEKLED PHOTOELECTRICITY CO., LTD

Product Specification Datasheet



KMT CV-PRO FLIP CHIP COB SERIES

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1. Product Description

KMT upgrades a new ultra-thin CV-PRO series

Standard cabinet size:600mm*337.5mm with Flip Chip COB process, thickness within 25mm, product configuration two-in-one (power and HUB integration) and power +HUB two ways. The module adopts 150mm*337.5mm, and the 4*1 arrangement makes the horizontal stitching of the whole screen less.

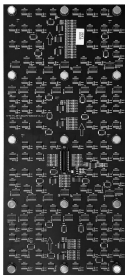
1.1 Application Scope

This technical specification is only applicable to KMT indoor COB CV-PRO series product. Module size:150mm*337.5mm and its supporting die cast aluminum cabinet:600mm*337.5mm*25mm.

1.2 Product Features

- Standard cabinet size:600mm*337.5mm,thickness only 25mm,12mm thinner than the traditional cabinet
- compatible pitch(mm): CV-PRO0.93 /CV-PRO1.25 /CV-PRO1.56 /CV-PRO1.875
- 16:9 aspect ratio, perfect match HD/4K/8K resolution
- Ultra-wide viewing Angle, H/V up to 170°/160°
- Integrate power supply and HUB, interior is more simple and beautiful
- Support dual backup of power supply and control system
- High refresh rate $\geq 3840\text{Hz}$, low gray scale $\geq 14\text{Bit}$ (software $\geq 16\text{Bit}$);
- 100% front service,support wall mounting, stacking and hanging installation solutions
- Water-proof, dust-proof, anti-oxidation, anti-static, anti-impact
- Standard brightness after correction 600nit, optional high brightness 1000nit
- Standard with real pixels, optional virtual scheme

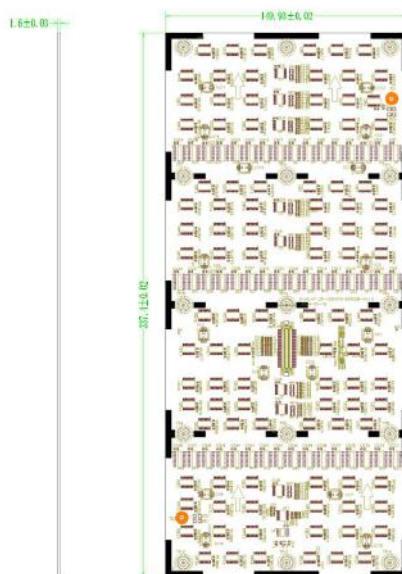
2. 150mm*337.5mm Module Specification

Item	Specification	Module Picture
Series	CV-PRO Flip chip COB Series	
Material	No Plastic housing	
Pixel Pitch	0.9375mm, 1.25mm, 1.5625mm , 1.875mm	
Resolution	160*360, 120*270, 96*216, 80*180(W*H)dot	
Module Size	150*337.5(W*H)mm	
Module Weight	340g $\pm$ 10g	

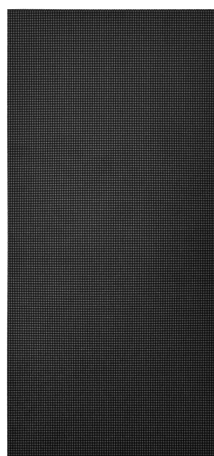
3. 600mm*337.5mm Cabinet Specification

Item	Specification	Cabinet Picture
Series	CV-Flip chip COB Series	
Material	Die-casting aluminum	
Pixel Pitch	0.9375mm, 1.25mm, 1.5625mm, 1.875mm	
Resolution	640*360,480*270,384*216,320*180(W*H)dot	
Cabinet Size	600* 337.5*39(W*H*D)mm	
Cabinet Weight	3.78Kg	

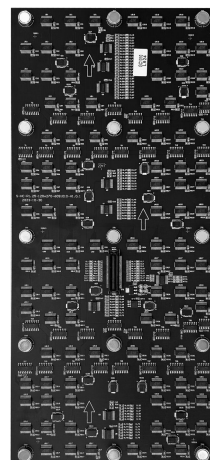
4. Module Dimension Structure



5. Module Picture

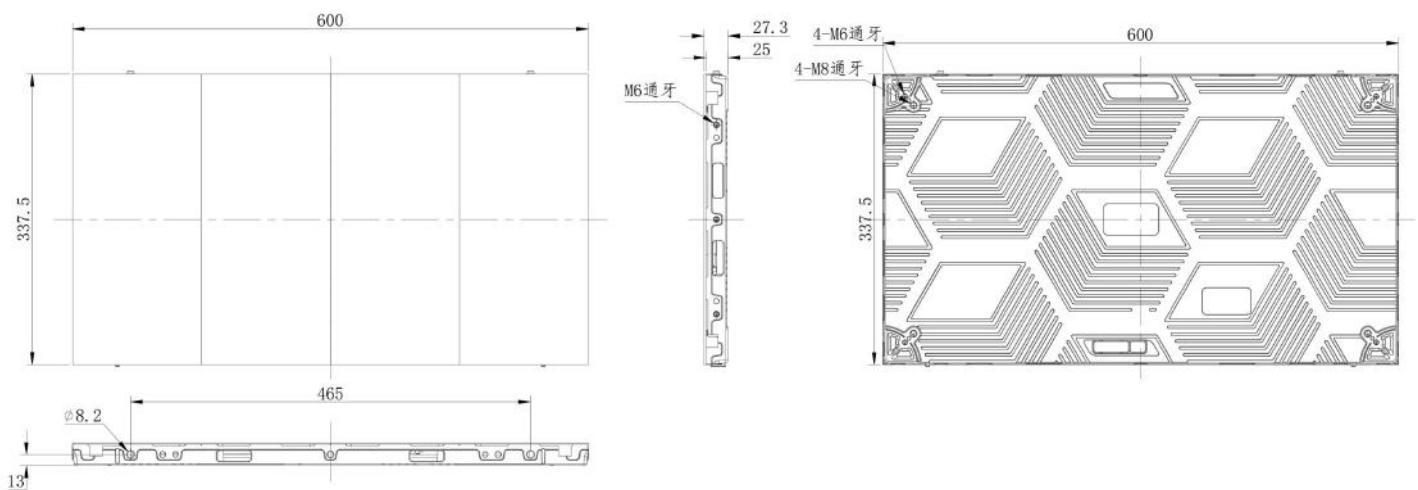


Front View



Back View

6. Cabinet Dimension Structure



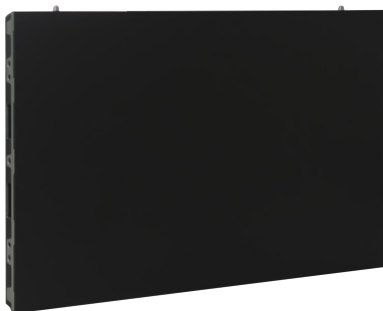
7. Cabinet Picture



Front View



Back View



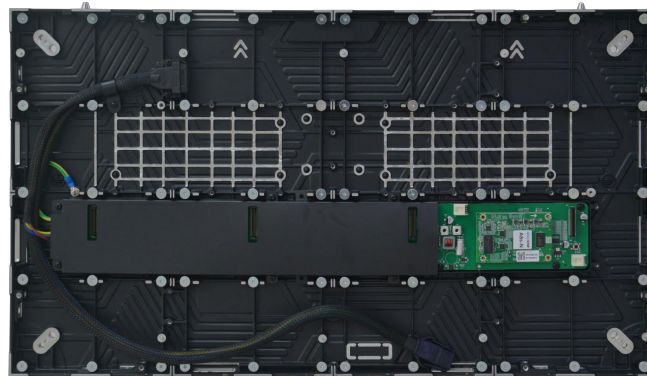
Front side View



Back side View

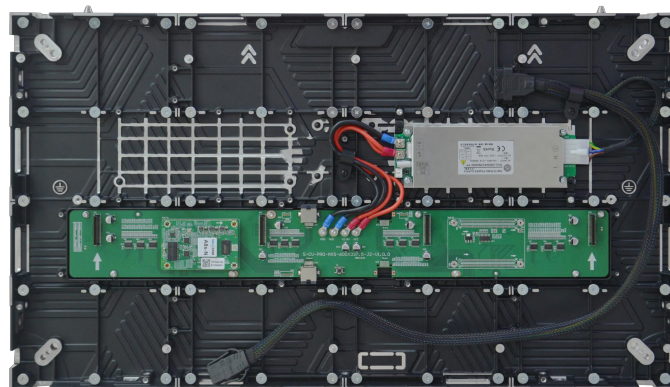
8. Cabinet Interior Structure

8.1 Package Comparison



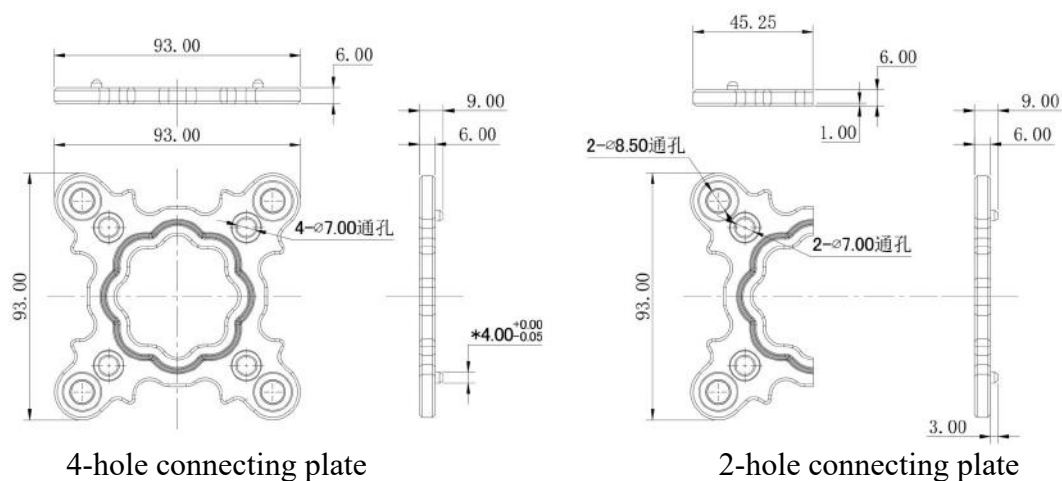
2-in-1 (Integrate power supply and HUB)

8.2 Optional Power/Receiver card Backup



Power +HUB (Single card Dual power supply/Single power supply Dual card/Dual backup Optional)

9. Internal Connectors



Connection piece configuration:

Number of straight screen two-hole connectors = (column -1) *2, 1 spare part

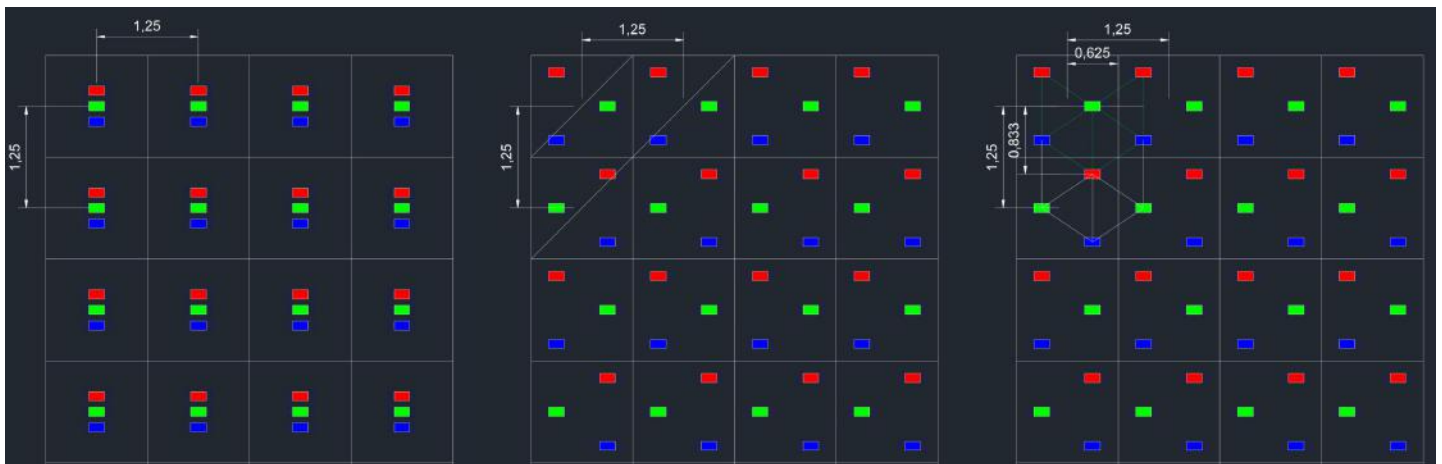
Number of straight screen four-hole connectors = (row -1) x (column -1), 1 spare part

The number of connecting plate boxes is 1:1.3

10. Technical Parameter

Item	Specification	CV-PRO0.93 Real pixel	CV-PRO1.25 Real pixel	CV-PRO1.25 Virtual	CV-PRO1.56 Virtual	CV-PRO1.87 Virtual
Module Parameter	Pixel Pitch (mm)	0.9375 (common anode)	1.25 (common anode)	1.25 (common anode)	1.5625 (common anode)	1.875 (common cathode)
	Pixel Structure	COB 1R1G1B		COB 1R1G1B Virtual		
	Pixel Density(dot//m ²)	1,137,778	640,000	640,000	409,600	284,444
	Module Size(W*H)(mm)	150*337.5	150*337.5	150*337.5	150*337.5	150*337.5
	Backshell Material	No Backshell		No Backshell		
	Module Resolution(W*H)(dot)	160*360	120*270	120*270	96*216	80*180
	Maximum Current(A)	4	4	4	4	4
	Supply Voltage(V)	DC4.2	DC4.2	DC4.2	DC4.2	DC4.2
	Scanning Method	1/60	1/60	1/60	1/48	1/40
	Refresh Frequency(Hz)	≥3840	≥3840	≥3840	≥3840	≥3840
	Illumination(cd//m ²)	500-600		500-600		
	Driver IC	Constant Current Drive		Constant Current Drive		
	Contrast Ratio	≥8000:1		≥8000:1		
Cabinet Parameter	Cabinet Size(W*H*D)(mm)	600*337.5*25		600*337.5*25		
	Cabinet Material	Die Casting Aluminum		Die Casting Aluminum		
	Cabinet Weight(kg)	3.78		3.78		
	Enclosure Connection Method	Screw Fixing		Screw Fixing		
	Installation/Maintenance Methods	Front or back Installation/Front Maintenance		Front or back Installation/Front Maintenance		
	Color Temperature /Luminance Uniformity	3000-9300K Adjustable; ≥98%		3000-9300K Adjustable; ≥98%		
	Chromatic Uniformity	±0.003Cx,Cy		±0.003Cx,Cy		
	Horizontal/Vertical View	170° (±10°) /160° (±10°)		170° (±10°) /160° (±10°)		
	Single-point Color Correction	Standard Configuration		Standard Configuration		
	Single Point Brightness Correction	Standard Configuration		Standard Configuration		
	Standard Receiver Card	A10SPLUS-N	A8S-N	A8S-PRO		
	Frame Rate(Hz)	50/60		50/60		
	Protection Level	IP30		IP30		
	Signal Interface Mode	RJ45		RJ45		
	Power Interface Method	Three Pole Flat Connector		Three Pole Flat Connector		
	Input Voltage Range AC(V)	100-240		100-240		
	Peak Power Consumption(W/m ²)	≤350		≤350		
	Average Power Consumption(W//m ²)	≤150		≤150		
	Working Temperature and Humidity Range	-20℃~+50℃,10%~95%RH		-20℃~+50℃,10%~95%RH		
	Storage Temperature and Humidity Range	-40~+70℃,10%~95%RH		-40~+70℃,10%~95%RH		
	Service Life(H)	≥100000		≥100000		
	Mean Time Between Failure(H)	≥10000		≥100000		

10.1 Virtual Principle

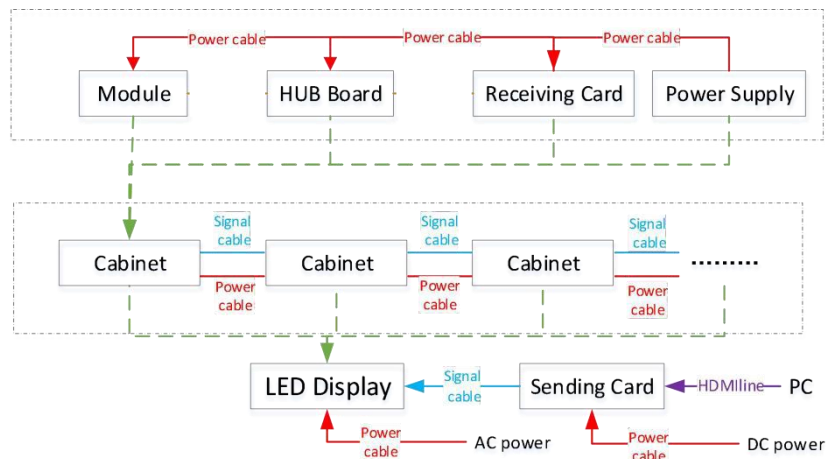


Real Pixels

Virtual real pixels

Virtual Pixels

11. Connecting Diagram



12. Packing and After-sale Service

12.1 Packing

Plywood case/Honeycomb carton/Flight case option



12.2 After-sale Service

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