Product Specification

COB All-In-One Solution （V2）

Product Version：V2

Date： 20230504

This product is efficiently integrated the display and control functions for LED screen, which applied in conference Room, TV studio, school and training agency.

COB All-In-One Solution LED screen offers smoother interactive operations, flexible system integration, and easier daily maintenance. It also supports the addition of APP and APK software, breaking through the limitations of traditional conference display devices such as small size, low brightness, and poor image quality.

Adopted COB technology effectively improves the reliability, light color and protection performance of LED display. It can effectively achieve waterproof, dust proof, oxidation resistance, and static electricity prevention. Customized brightness to meet the needs of different applications.

2. Product Features

● Based on ANDROID deep customization, reserved OPS host control interface

● Surface light source, good consistency, no sensitive moire pattern, and viewing angle up to 170 degrees

● High refresh 3840Hz, high grayscale level 18Bit (software on+2Bit)

● Waterproof, dust proof, anti oxidation, anti-static, anti impact, high stability

● Supports 32 dots infrared touch

● With remote control, human-machine interaction can be carried out, including common operations such as volume adjustment, brightness adjustment, source switching, and power on/off.

● Supports local and online high-definition video playback, supports 4K HDR format video decoding and playback

● Dual wireless network card design, capable of simultaneously accessing WiFi and enabling wireless hot-spots

● Supports Bluetooth 4.0, compatible with commonly used peripherals such as Bluetooth mouse, Bluetooth keyboard, Bluetooth audio, etc

● Support for built-in and external 3.5mm audio interfaces

● Supports multi platform wireless projection for Windows, Mac, iPhone/iPad, and Android, and supports HTML5 browser

● Compatible with mainstream conference peripherals, including cameras, speakers, laser pens, etc.
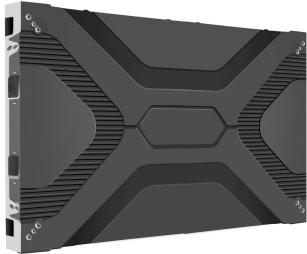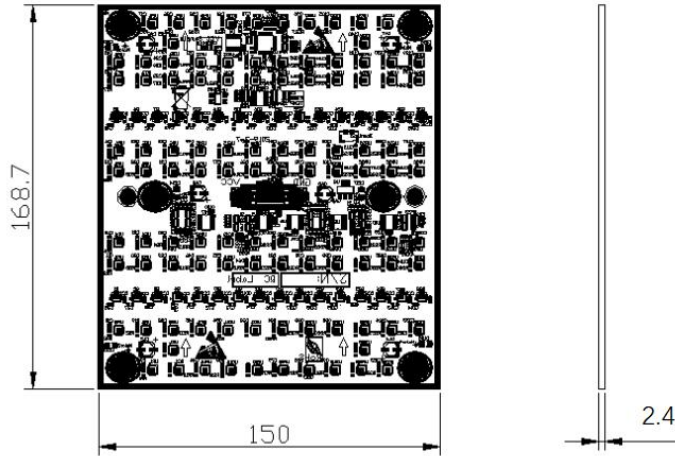
3、Product Introduction

3.1. Module Specification

Item	Specification	Module Picture
Series	COB Module	
Pitch	0.9375mm，1.25mm，1.5625mm，1.875mm，2.34mm	
Resolution	160×180，120×135，96×108，80×90，64×72	
Module Size	150mm x168.75mm（W x H）	
Module Weight	150g±10g	

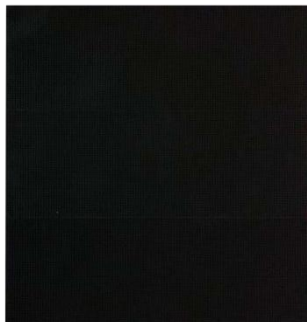## 3.2. Cabinet Specification

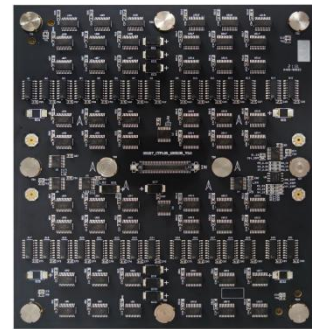| Item	Specification	Cabinet Picture
Cabinet Material	Die-casting aluminum	
Pixel Pitch	0.9375mm，1.25mm，1.5625mm，1.875mm，2.34mm	
Resolution	640×360，480×270，384×216，320×180，256×144	
Cabinet Size	600mm x 337.5mmx32.5mm（W x HxD）	
Cabinet Weight	4.3Kg	

4.Module Dimension Structure
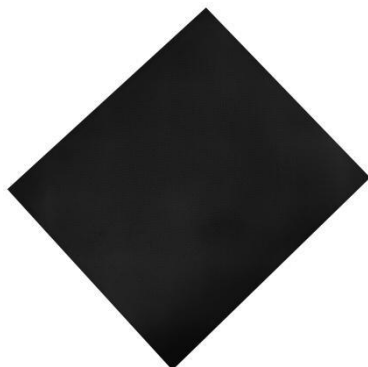

5. Module Picture

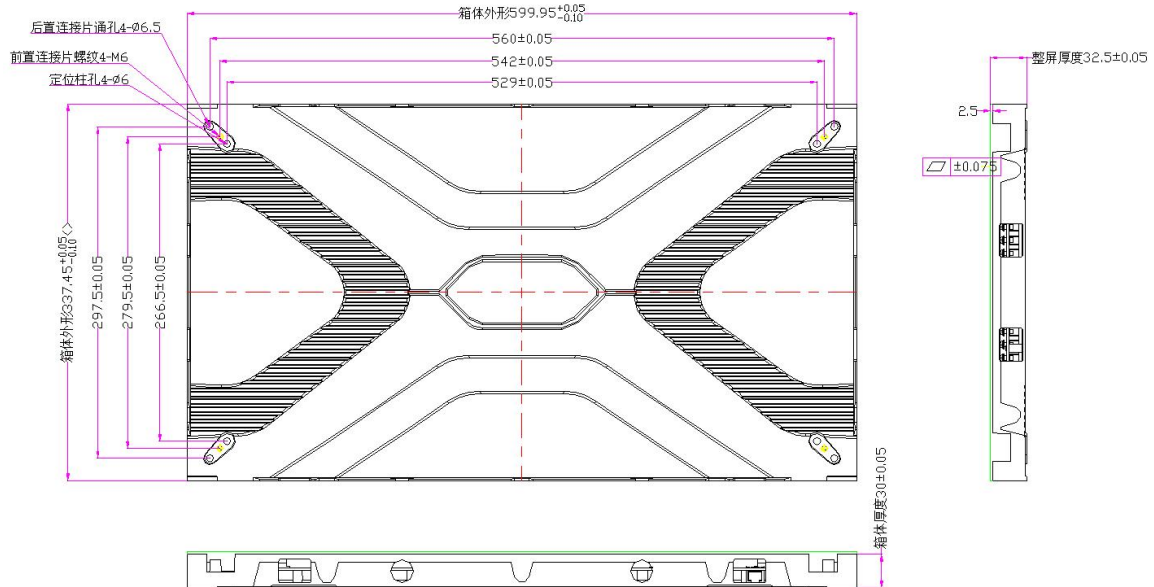Front View

Back View

Side View

Side View

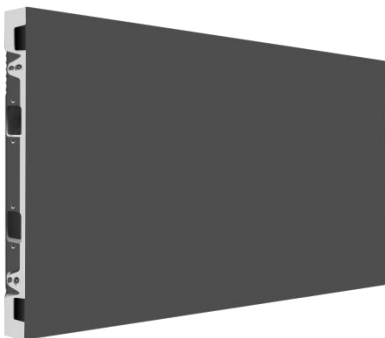# 6. Cabinet Dimension Structure

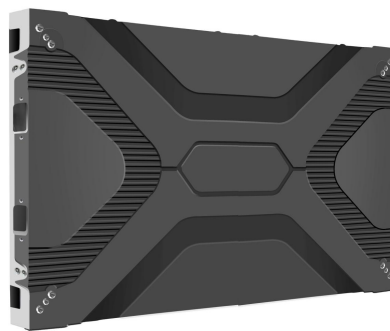# 7. Cabinet Picture

Front View

Back View

Side View

Side View

8. All-In-One LED Solution Picture
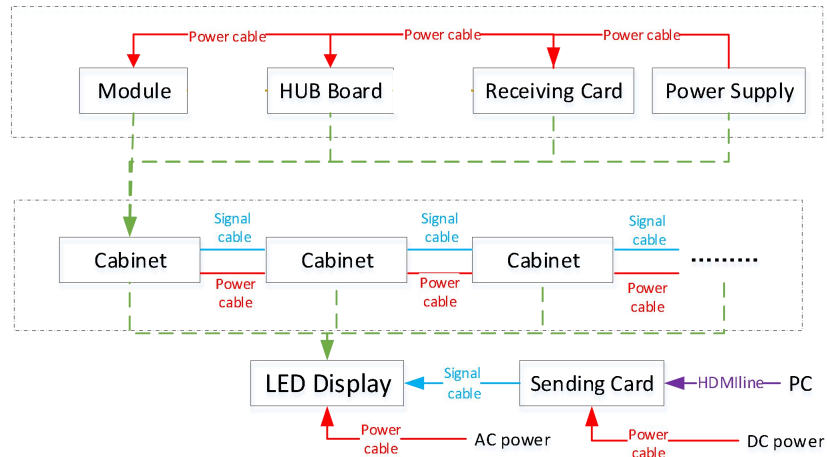

Front View

Back View

Side View

Side View

9. Technical Parameter

COB All-In-One Size	81"	108"	135"	162"	
Pixel Pitch (mm)	0.93	1.25	1.56	1.87	0.93
Dot to Dot Resolution	2K(1920×1080)	2K(1920×1080)	2K(1920×1080)	2K(1920×1080)	4K(3840x2160)
Physical Density (dot/m²)	1,137,778	640,000	409,600	284,444	1,137,778
Module Size (W ×H ×D) mm	150*168.75	150*168.75	150*168.75	150*168.75	150*168.75
Module Resolution (W ×H)	160*180	120*135	96*108	80*90	160*180
Packaging Process	COB Flip Chip				
Cabinet Size (W ×H ×D) mm	600*337.5*32.5	600*337.5*32.5	600*337.5*32.5	600*337.5*32.5	600*337.5*32.5
Cabinet resolution (W×H) dot	640*360	480*270	384*216	320*180	640*360
Cabinet Material	Die-casting aluminum				
Scanning Mode	1/60	1/45	1/48	1/30	1/60
Grey Scale (Bit)	14Bit+Control Software 2Bit=16Bit				
Protection Level	LED Lamp side IP65				
Installation/Service Method	Front or back installation/Front service				
Brightness	600-3000cd/㎡ adjustable				
Color Temperature	3200-9300K adjustable				
Brightness Uniformity	≥98%				
Color Uniformity	Within 0.003Cx, Cy				
Horizontal/Vertical View Angle	160°（±10°）				
Contrast Ratio	≥10000:1				
Color Calibration of Single Dot	Yes				
Brightness Calibration of Single Dot	Yes				
Drive Mode	Constant Current Drive				
Standard Receiving Card	A7S	A5S-PLUS	A5S-PLUS	A5S-PLUS	A7S
Refresh Frame Frequency	50/60 Hz				
Max Refresh Rate	≥2880Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥2880Hz
Network Connection Port	RJ45				
Input Voltage AC	110-220V				
Module Max Current DC	DC4.2V	DC4.2V	DC4.2V	DC4.2V	DC4.2V
Module Input Voltage DC	2.5A	2.5A	2.5A	2.5A	2.5A
Cabinet Max Power Consumption	≤450W/m²	≤450W/m²	≤450W/m²	≤450W/m²	≤450W/m²
Cabinet Aver. Power Consumption	≤150W/m²	≤150W/m²	≤150W/m²	≤150W/m²	≤150W/m²
Working Temperature	-20℃～+50℃				
Working Humidity	10%～95%RH				

The left-side row grouping labels are: **Technical**, **Optical**, **Operation**.

10.Connecting Diagram

11.Packing and After-sale Service

11.1 Packing

Plywood case/Honeycomb carton/Flight case option

11.2 After-sale Service

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