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ONLY LED DISPLAY • SHOWCASE BRILLIANCE

MINI FLIP-COB

Crystal vision
Galloping into the future

Technical features

Various sizes, assemble as you wish.

The LED display series is designed for flexibility, supporting mix-and-match configurations with 600mm * 337.5mm units to accommodate diverse project installation dimensions. Its innovative three-in-one design integrates the power supply, receiving card, and adapter board, ensuring superior product stability and significantly streamlining maintenance.



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4K

The series supports 4K and 8K ultra-clear displays, with 600mm * 337.5mm units that can be freely mixed and matched, offering exceptional flexibility for size adjustments in engineering installations. Additionally, it enables both vertical and horizontal cabinet splicing, effectively reducing installation costs and accommodating diverse size requirements.

8K

Product Application



HOME DISPLAYS



MONITORING AND COMMAND CENTER



SMART MEETING DISPLAYS

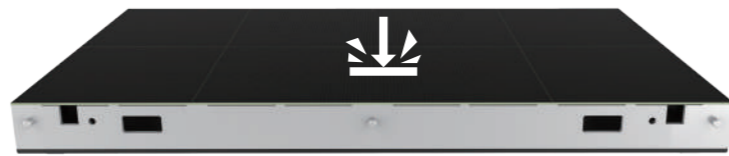
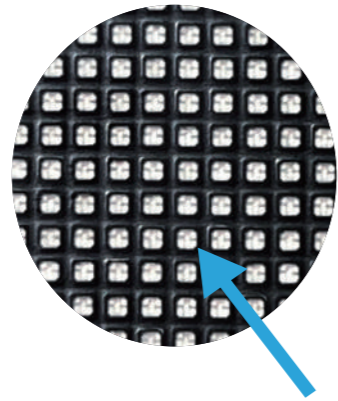


SMART CITY

Technical features

1. Anti-collision Protection:

The module surface employs COB epoxy resin encapsulation technology to enhance overall surface strength, achieving a hardness of 4H or higher. This protects the LED display screen during installation, transportation, and maintenance, preventing LED light detachment and significantly reducing manual maintenance costs.



2. Easy to Clean and Maintain:

The surface of the LED display screen can be easily cleaned with water and a cleaning cloth ensuring consistent brightness and color without being affected by external factors such as dust and oil stains. This is especially beneficial for projects in non-dust-free environments, such as cafeterias with oil stains, construction site halls with dust, sales offices with dust, and meeting halls on the first floor. Both oil stains and dust not only hinder the brightness of the LED display screen but can also generate static electricity and short circuits over time, leading to damage. The COB process significantly extends the lifespan of the LED display screen (cleaning the surface with a clean cloth). maintenance costs.



3. Splash-proof, Moisture-proof, Fog-proof, and Anti-static:

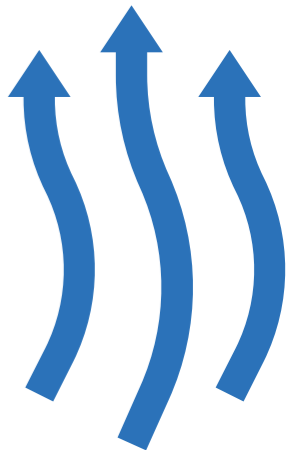
The COB epoxy resin potting, process on the module surface ensures that the LED display screen meets the IP63 waterproof and moisture-proof standards. This technology prevents water droplets, moisture, and fog from entering the LED diodes, and also blocks dust from entering the LED pins, achieving an anti-static effect.



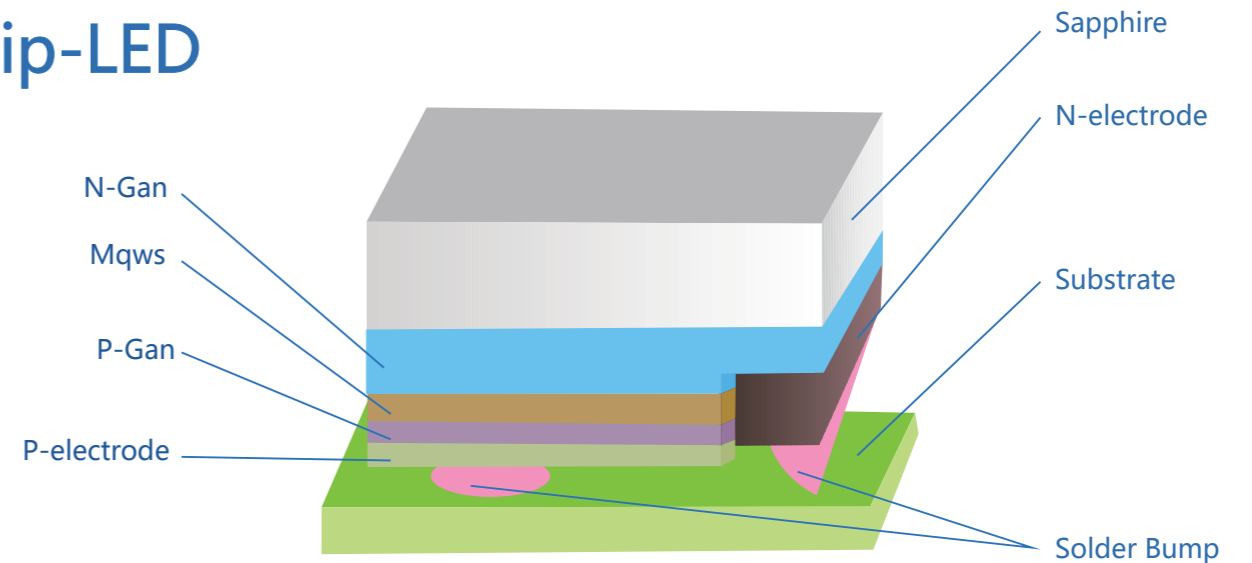
Technical features

4. Excellent Heat Dissipation and Low Surface Temperature:

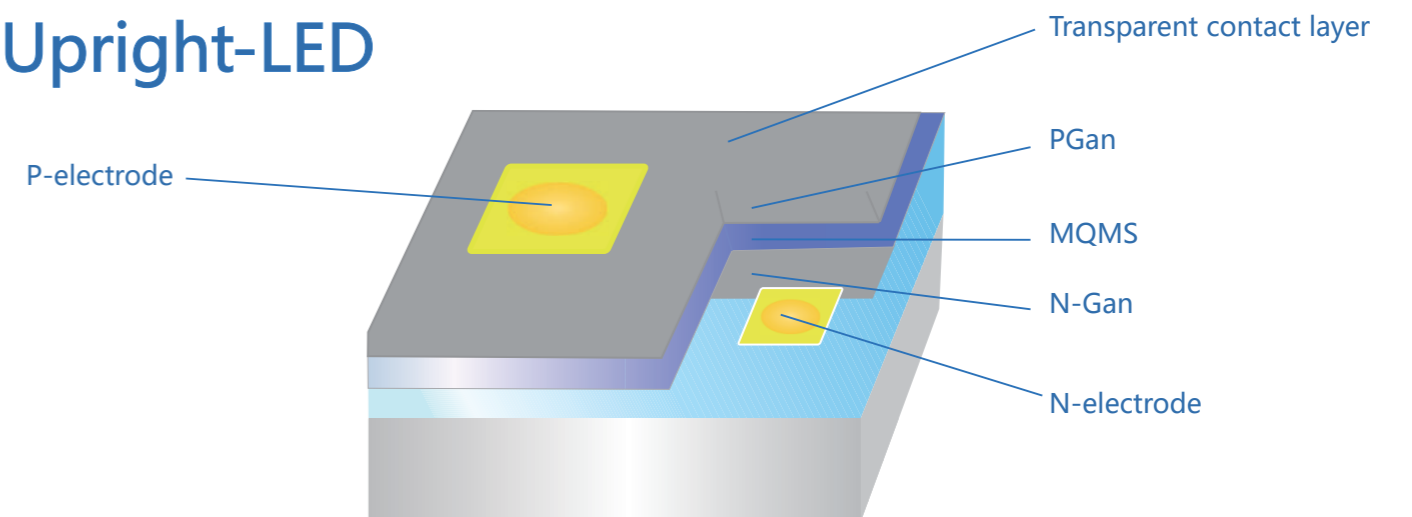
The COB adopts an inverted process, with the light-emitting area located beneath the LED diode. The heat generated by the LED diode can be rapidly dissipated through the LED diode pins and solder joints. Additionally, the inverted process utilizes a 2.8V power supply in red and employs common cathode technology standards. This allows the COB inverted process to achieve fast heat dissipation and maintain a low surface temperature thereby reducing maintenance costs.



Flip-LED



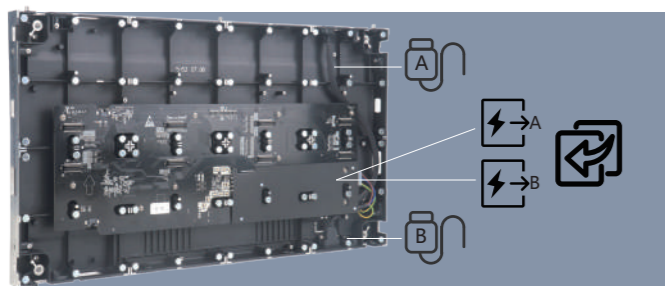
Upright-LED



Technical features

Light-weight and thin

H series Indoor LED cabinets have a thickness of only 39.5mm. The slim and high-strength design supports dual-sided installation. With wall mounting, there is no need to reserve a maintenance channel behind the screen, providing more usable space in limited indoor environments. Compared to similar products in the market, the H series cabinets are 40% lighter, making them easy to install and savings on transportation and installation costs. Additionally, they reduce the load on the building structure, ensuring stability and reliability!



Fully Front Maintenance Design:

Fully front maintenance is a crucial requirement for fine pitch installations. It effectively ensures installation thickness, with a minimum thickness of 39.5mm for wall mounting. There is no need for installation of maintenance channels, providing better protection against dust accumulation that could harm electronic components and PCB boards. Quick module replacement with electric suction tools enhances maintenance efficiency, ensuring fire safety and electrical security.



Backup: "Two-way" Backup:

The display screen is equipped with a two-way signal backup system, which ensures that during live broadcasts or in the event of signal transmission failures, the backup signal will be automatically activated to guarantee the stable operation of the display system.



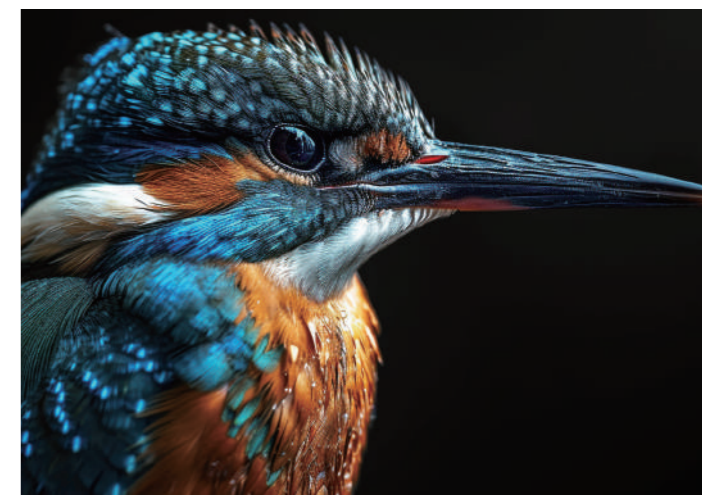
Silent and More Energy-Efficient:

The aluminum backshell provides efficient heat dissipation, eliminating the need for fans and, consequently, the resonance noise typically caused by fans and air conditioning. Operating in complete silence is not only environmentally friendly but also helps to reducing the power consumption of the display, thereby effectively lowering operational costs.

Technical features

Low Brightness, High Gray, Loss-less Technology:

Every detail in the dark area is meticulously presented. In comparison to traditional LCD and DLP sliding screens with limited viewing angles and distortion, LED fine pitch displays offer a generous 160° viewing angle, high-fidelity images, color accuracy, and a broader audience appeal.



Perfect Display from Different Angles with a 160°

Effective Viewing Angle:

In contrast to the limited viewing angles and image distortion of traditional LCD and DLP sliding screens, our LED fine-pitch displays offer a generous 160° viewing angle, providing high-fidelity images without color deviation, making them suitable for a broader audience.



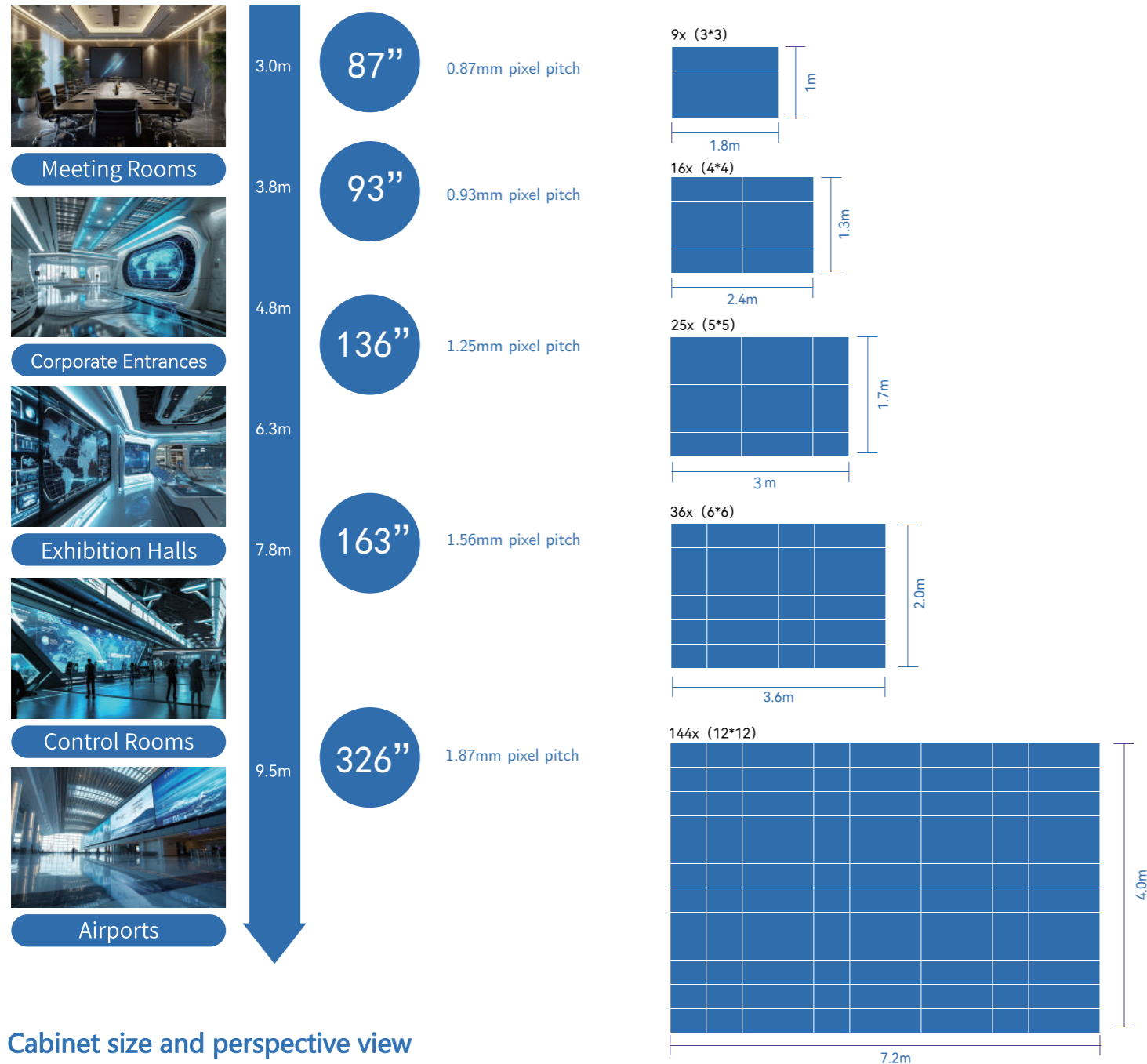
Experience the Transient Brilliance with an Ultra-High Refresh Rate:

With an impressive refresh rate of up to 3840Hz per second. supporting rapid decoding responses, our display eliminates screen ripples and image ghosting, ensuring every frame is clear, smooth, and delivering the optimal visual experience.

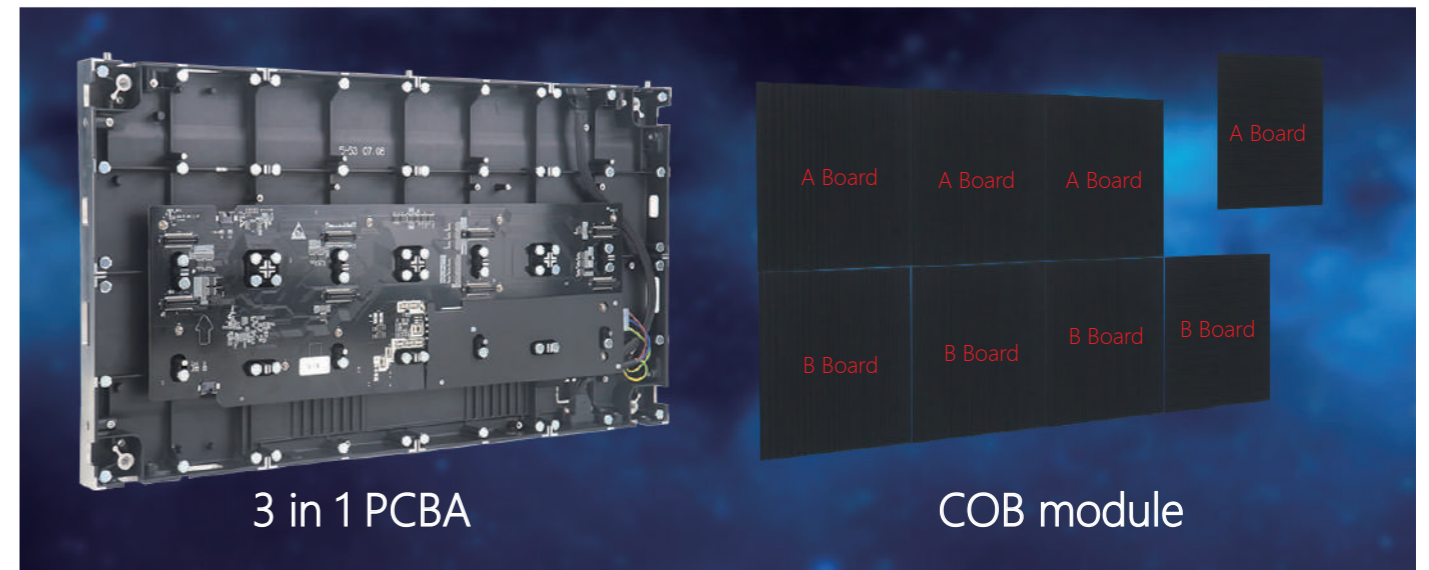
Hz 3840Hz



Versatile Applications Distances [recommendation]



Cabinet size and perspective view



Model	H-PH0.78-COB	H-PH0.93-COB	H-PH1.25-COB	H-PH1.56-COB	H-PH1.87-COB
Module Size	150mm * 168.75mm				
Module Resolution	192*216	160*180	120*135	96*108	80*90
LED surface Color	Matte Frosted				
Surface Hardness	4H				
Cabinet Size	600mm * 337.5mm * 39.5mm				
Cabinet Weight	4KG				
Cabinet Resolution	768*432	640*360	480*270	384*216	320*180
Pixel Density per Square Meter	1638400	1137777	640000	409600	284444
Flash Correction	Yes				
Gray Scale Level	16-22bit				
Refresh Rate	3840HZ				
Contrast Ratio	10000:1				
Maximum Power	About 75W/Cabinet	About 75W/Cabinet	About 65W/Cabinet	About 65W/Cabinet	About 60W/Cabinet
Viewing Angle	Horizontal/ Vertical 160°				
Frame Rate	50-60HZ				
Operating Voltage	AC90-240V				
IP Protection Rating	IP54 (Module Surface)				
LED Lifespan	100000H				
Effective Viewing Distance	≤0.5m				
Screen Temperature Rise (Operational)	≤20 °C				
Pixel Correction	Module Calibration Storage and Receiving Card Calibration Storage				
Control Method	Synchronous Control/Asynchronous Control				
Cabinet Material	Die-Cast Aluminum Cabinet				
Cooling Method	Independent Cooling, COB Craft Cooling				
Mean Time Between Failures (MTBF)	≥10000Hours				
Power Backup	Dual Power Backup (Optional)				
Signal Backup	Dual Signal Backup (Optional)				
Control Distance	CAT 5 Twisted Pair Cable, Fiber Optic Transmission is Required for Over 70M				
Operating Environment	-10 °C — +40 °C / 10%RH—90%RH				
Installation Method	Wall Mounting/Bracket Mounting/Embedded Installation				
Maintenance Method	Full Front Maintenance				