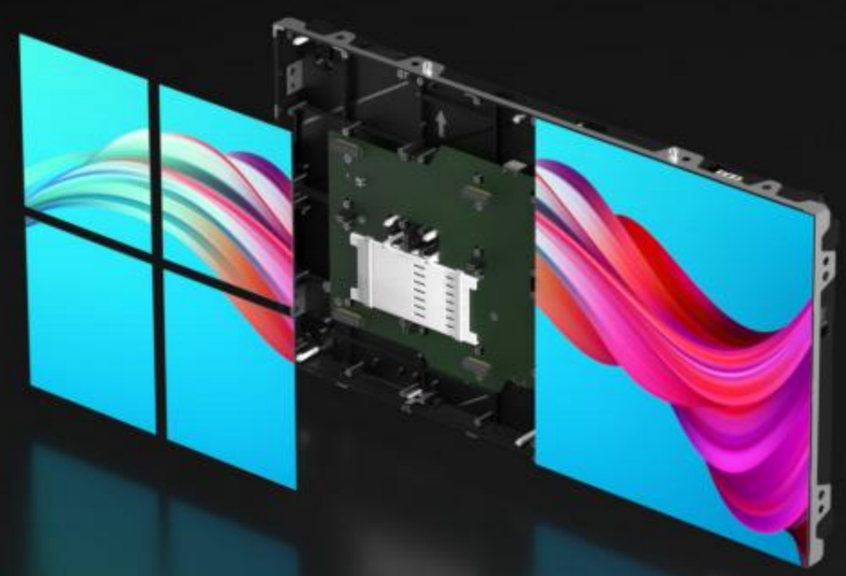
Micro COB

Super- & Micro- LED display units



Shenzhen Taiheng Photoelectric Co.,LTD / THINKSTV CO., LTD (HK Branch)

Mini & Micro LED Display solution provider

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Customer-oriented,
Cooperation-based,
to develop business and service

Micro COB | 1 200Nit | 7680Hz

Micro COB

- Dual redundancy
- Common cathode/anode technology
- High pixel range& production capacity
- 7680Hz

Excellent performance

- 1200nits
- 16bit
- 15000:1
- 120% * NTSC

Strong protection

- Water&dust-proof
- Anti-static&collision
- High stability
- Longevity

Modular design

- Standardized sizes
- Public-ver modules compatible
- Custom service
- No module frame

Company Profile

Mini-& Micro-LED solution provider

Founded in 2014, Shenzhen Taiheng Photoelectric Co.,LTD (hereafter referred as THINKSTV) is a Shenzhen-based, hi-tech -oriented led manufacturer, committed to professional solutions and services. It has been developing a complete industrial production chain of including LED chip processing, LED re-configuring, LED packaging, and LED module manufacturing.

Fully armed with techniques or technology in Mini-&Micro- LED, chip packagings, COB package, QD color conversion, AR/VR, and MIP process, which has won the company over 200 technology patents.

With advanced technology and industrial advantages entitled by Shenzhen's geographical location, THINKSTV takes the opportunity to invest great innovative efforts in research and development of Mini-&Micro- LED technology so as to spark new ideas and make new products. In belief of the corporate philosophy "Customer-oriented, cooperation-based, to develop business and service.", THINKSTV has been continuing its contribution to it.

Application Scenarios

Command and control center

Security guard&monitoring

Virtual prodcution

Private Cinema

Specifications

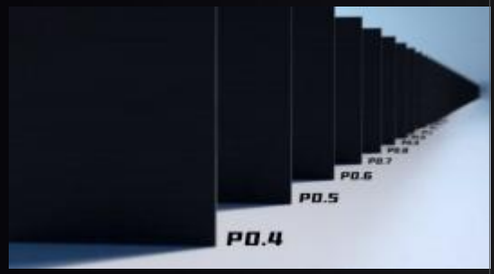
Series model		C2 Series					
Pixel pitch (mm)		0.9	0.9	0.9	0.9	1.2	1.2
Cabinet size (mm)		600*337.5					
Model		C2-09C01	C2-09C02	C2-09C03	C2-09C05	C2- 12C01	C2- 12C02
Module size (mm)		150*168.75					
Resolution		160*180				120*135	
Qty of modules		8					

Series model	C2 Series						
Pixel pitch (mm)	1.2	1.2	1.5	0.9	1.2	0.6	0.7
Cabinet size (mm)	600*337.5			610*343. 12		600*337.5	
Model	C2- 12C03	C2- 12C05	C2- 15C02	C2-09E01	C2- 12E01	C1-06C01	C1-07C01
Module size (mm)	150*168.75			152.5*171.56		150*112.5	
Resolution	120*135		96*108	160*180	120*135	240*180	192*144
Qty of modules	8					12	

Series model	C1 Series						
Pixel pitch (mm)	0.9	1.2	0.7		1.2	0.9	1.2
Cabinet size (mm)	600*337.5					608*342	
Model	C1-09C01	C1- 12C01	C1-07B01		C1- 12B01	C1-09F01	C1- 12F01
Module size (mm)	150*112.5					152*114	
Resolution	160*120	120*90	192*144		120*90	160*120	120*90
Qty of modules	12						

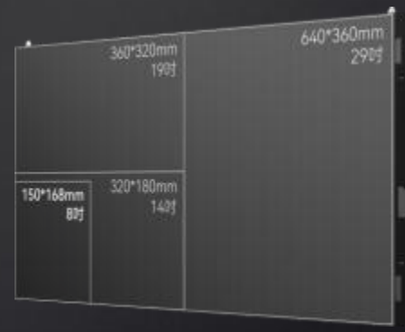
Wide Pixel Range

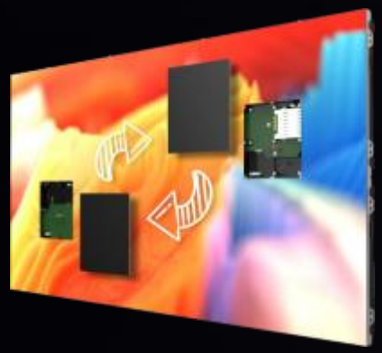
Pixel range: P0.7, P0.9, P1.2, P1. 5



Modular panel

8-inch Modular design becomes standardized control panel, and compatible with public-version led modules, resulting in facilitating set-up, disassembly, and maintenance; better visual experience with less seam between modules and high flatness





Modular calibration

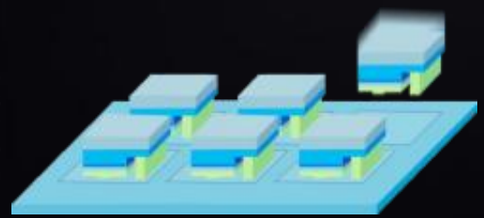
Save time in configuring the whole screen, and make maintenance easy。

Optical technology

Self-developed technique to enhance visual effect by ink distribution uniformity and color uniformity; eye-protective surface light source.

COB package

Adopted with COB package, Micro COB products support Micro chips that allows leds no greater than 0.5mm in diameter; common cathode and common anode technology to optimize consumption and screen expression.



High refresh rate

Up to 7680Hz and nano-second response time to eliminate screen shader and ghosting, moiré pattern, scanline, which greatly helps virutal production in broadcasting and XR activities.