

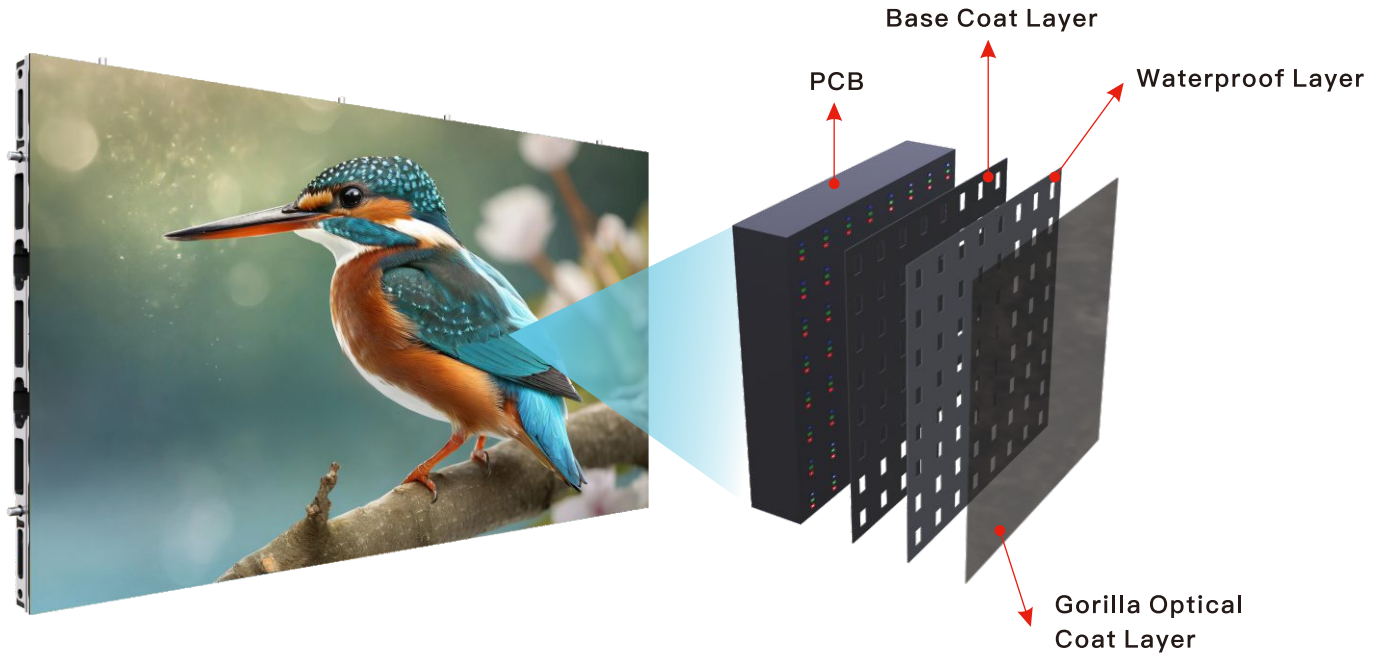
Professional COB Fine-Pitch LED Displays



**Professional COB Fine-Pitch
LED Displays**

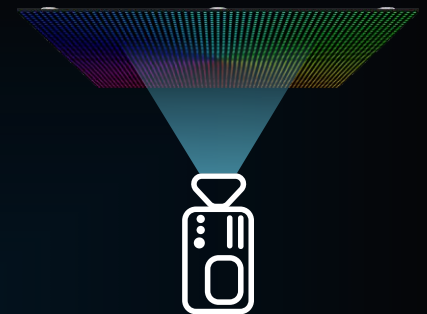
COB+Technology

Exclusive COB Plus Technology utilizes its superior impact resistance to minimize LED damage and dead pixels caused by external impacts during transport, handling, and installation. This advanced technology also notably enhances contrast.



First in industry to have COB Single Module Calibration & Random Module Installation

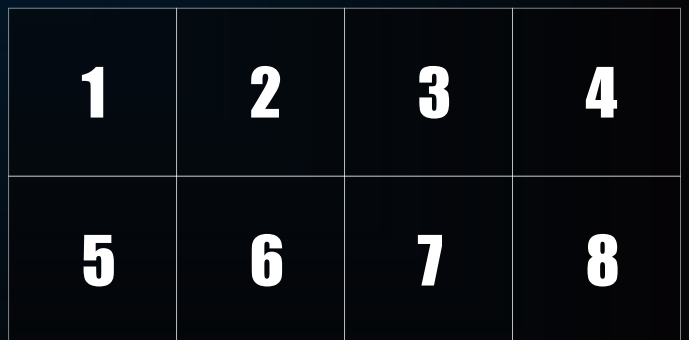
Supporting true COB module calibration to have perfect color saturation and uniformity, which enables random module assembly. COB installation and maintenance has never been this easy.



True Module Calibration (MOM)



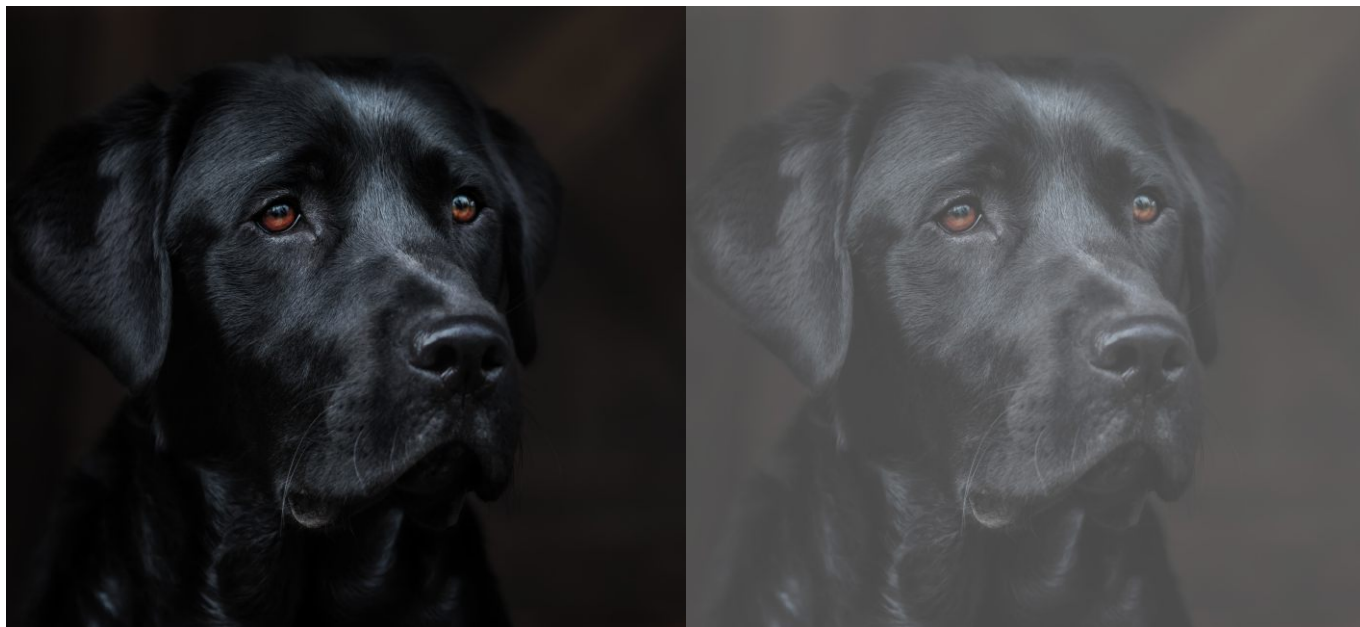
Random installation(Ours)



Sequential installation(Others)

20,000:1 Cinema-Grade Ultra Contrast Ratio

Engineered with a **35%** high-transmittance optical film, effectively suppressing stray light and significantly enhancing image contrast. Achieves an impressive **20,000:1** contrast ratio, delivering deep true blacks and vivid depth for an immersive, cinema-like viewing experience.



Ours(20,000:1)

Others(5,000:1)

Industry First, $\pm 0.025\text{mm}$ Ultra Flatness — 400% Higher Precision

The module joint height difference is controlled within $\pm 0.025\text{mm}$ — a **400%** improvement over the industry common of $\pm 0.1\text{mm}$. Outstanding flatness ensures a seamless and smooth display surface, delivering superior visual performance.

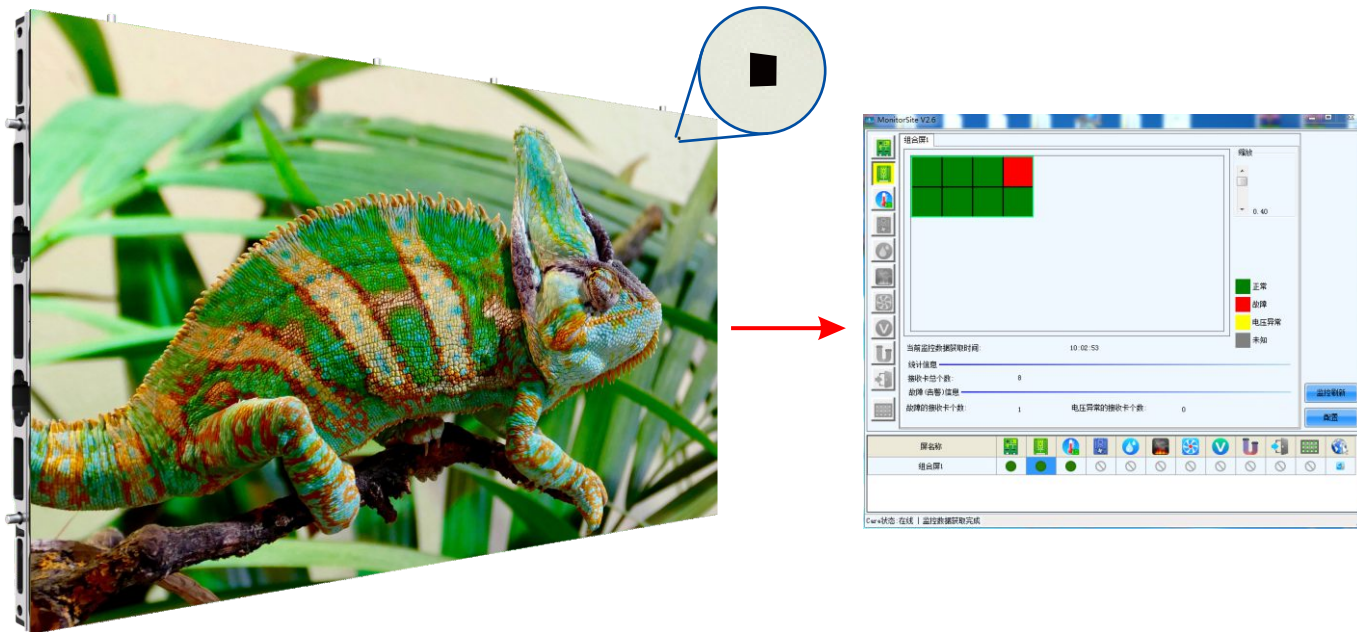


Others

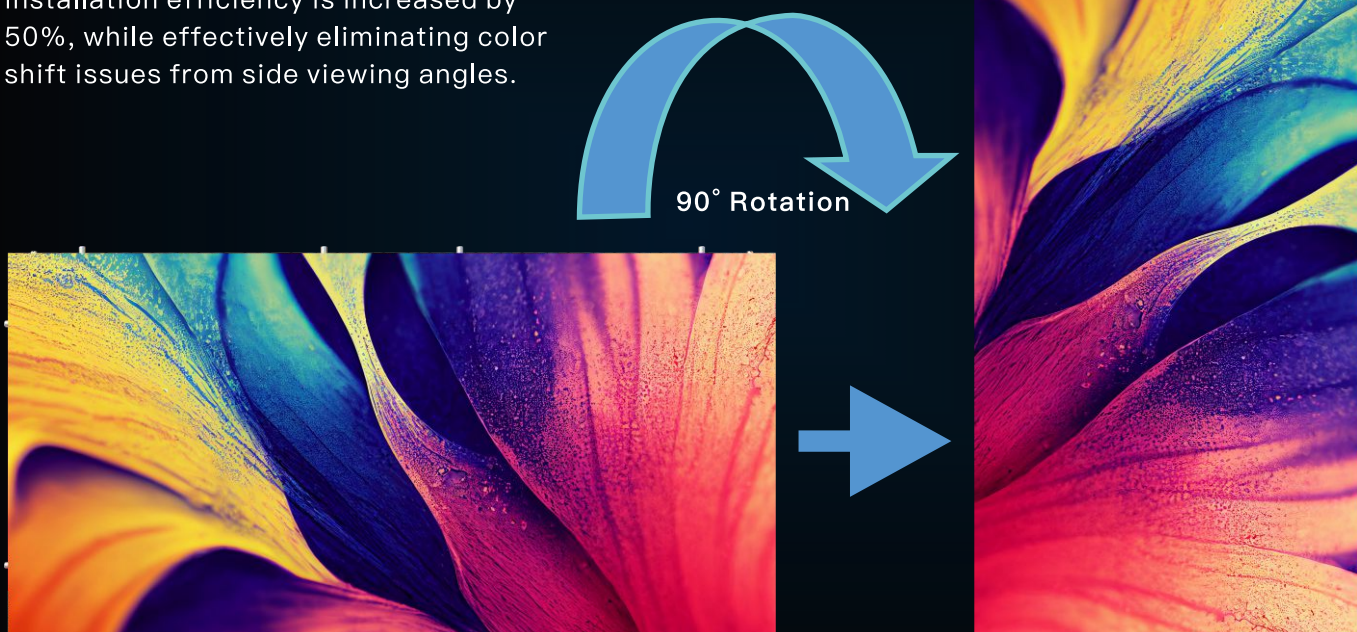
Ours

Pixel Detection with Instant Fault Feedback

Supporting pixel detection for real-time pixel monitoring. In case of pixel malfunction, warning data will be immediately transmitted to the control system and mobile terminals (phone/PC), enabling precise alerts and rapid response to ensure display stability and operational efficiency.



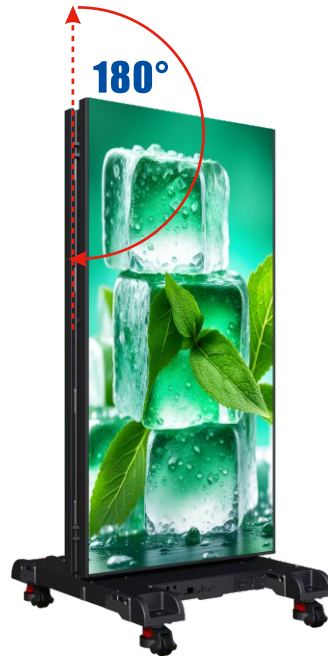
Our cabinets support 90° rotation, with modules requiring no rotation, enabling quick vertical splicing and enhancing product versatility and utilization. Vertical installation efficiency is increased by 50%, while effectively eliminating color shift issues from side viewing angles.



Professional COB Poster

33mm Slim Design with 180° Folding

Significantly reduces transport space while enabling double-sided display when folded outward, substantially enhancing visual impact.



Industry-Best Curved Screen Solution

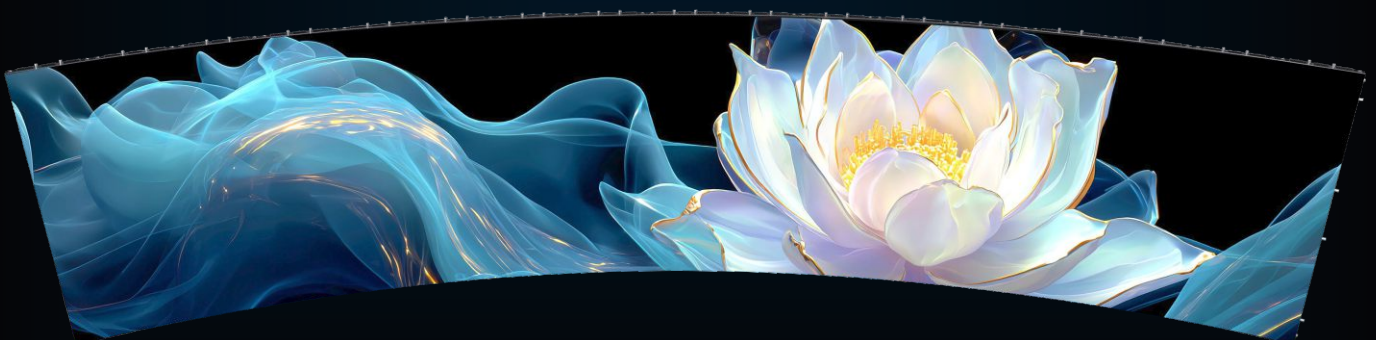
With a narrow 250mm module width, the screen enables smoother curve transitions. This design ensures a more refined arc and delivers a seamless, visually stunning curved display.



Ours



Others



Rich Sizes for Diverse Scenarios



250*250mm



250*500mm



1,000*500mm



750*500mm



500*500mm



1,000*250mm



750*250mm



500*250mm

Supports Multiple Installation Methods

Hanging, Wall-Mount, and Cube for Versatile Applications.



Hanging



Cube Splicing



Flush wall mount

Smart Power-Saving Design

Ultra-Low power consumption in standby mode significantly reduces energy usage and operational costs, while extending product lifespan, enhancing stability and minimizing maintenance needs.



Power saving



71%

Smart Energy-Saving Mode

Lightweight and High-Strength Design

The cabinet features a lightweight structure with reduced thickness and weight, making it easy to transport and install. It has passed extreme tensile strength tests without cracking, balancing portability with structural durability.

Weight **17.4KG/m²**
Thickness **33mm**



15% Lighter



Specification

Model Name	P1.5
Pixel Pitch (mm)	1.5625
Pixel Density (dot/m ²)	409,600
LED Sealing Type	COB
Module Resolution (PX* PX)	160*160
Contrast Ratio	20,000:1
Brightness (cd/m ²)	600–800
Grey Scale (bit)	≥14
Refresh Rate (Hz)	3,840–7,680
Horizontal Viewing Angle (Deg)	160°
Vertical Viewing Angle (Deg)	160°
Max Power Consumption (W/m ²)	300–420
Average Power Consumption (W/m ²)	140
Module Size (mm * mm)	250*250*2.5
Module Weight (kg)	0.34
Cabinet Size (mm * mm)	1,000*500/1,000*250/750*500/750*250/500*500/500*250/250*500/250*250
Weight (Kg/m ²)	17.4
Cabinet Thickness (mm)	33.3
Input Voltage (V)	AC100–240V
Working Temperature (°C)	–20~+50°C
Storage Temperature (°C)	–30~+60°C
Working Humidity (RH)	10%~90%RH
Storage Humidity (RH)	10%~85%RH
Maintenance Type	Front
Ingress Protection	IP65/IP20
Working Environment	Indoor
Certificates	CE(EMC A, LVD), FCC, ETL, CB



www.video-screen.de

LED Video Screen PR | S. Näther | Löbauer Platz 8 | 02763 Zittau

Phone: +49 0177 5732676

Email: info@video-screen.de