



COB All-in-One Solution

Create and Enjoy a New Era of High-Definition Visuals

The LED Conference All-in-One is a brand-new meeting solution that integrates ultra-high-definition display, smart interaction, wireless screen casting, video conferencing, and more. Featuring advanced LED display technology, it delivers images with ultra-high brightness, wide color gamut, and high contrast, bringing an immersive visual experience to your meetings.



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Nanjing Chechi Technology Co., Ltd. A Benchmark Service Provider in the Audio and Video System Industry

With two decades of deep experience in audio and video, Nanjing Chechi Technology Co., Ltd. has become a high-tech enterprise integrating R&D, production, sales, and service of LED/LCD displays, conference sound reinforcement, video conferencing, and distributed control systems. Our products hold CE, RoHS, FCC, UL certifications, and our management system is ISO 9001 certified, backed by a 3A credit rating, demonstrating our commitment to global quality standards and commercial integrity.

Leveraging intelligent control technology, we provide one-stop, customized audio, video, and display solutions for both indoor and outdoor scenarios. From high-end business meetings and professional training to large-scale exhibitions and public spaces, we tailor acoustic, optical, and electrical systems to drive business upgrades, scenario innovation, and digital competitiveness for our customers.



Product Introduction & Application Scenarios

Ultra-Large Field of View, Stunning Presentation, Powerful Image Engine

High-Definition Picture Quality

Clear and delicate images, vivid and bright colors, every detail revealed.

Better grayscale and color performance for more refined and realistic images.

Details are perfectly preserved even at low brightness — making the conference screen look stunning right out of the factory.。



Multi-Function Integration

Supports quick wireless screen casting from multiple devices such as computers, mobile phones, and tablets, as well as different platforms including Windows, iOS, and Android. Enables up to 4 independent split screens for simultaneous sharing.

The LED large screen can be controlled wirelessly via a tablet, allowing writing and annotation. Words appear right under your fingertips, delivering a smooth and effortless writing experience.

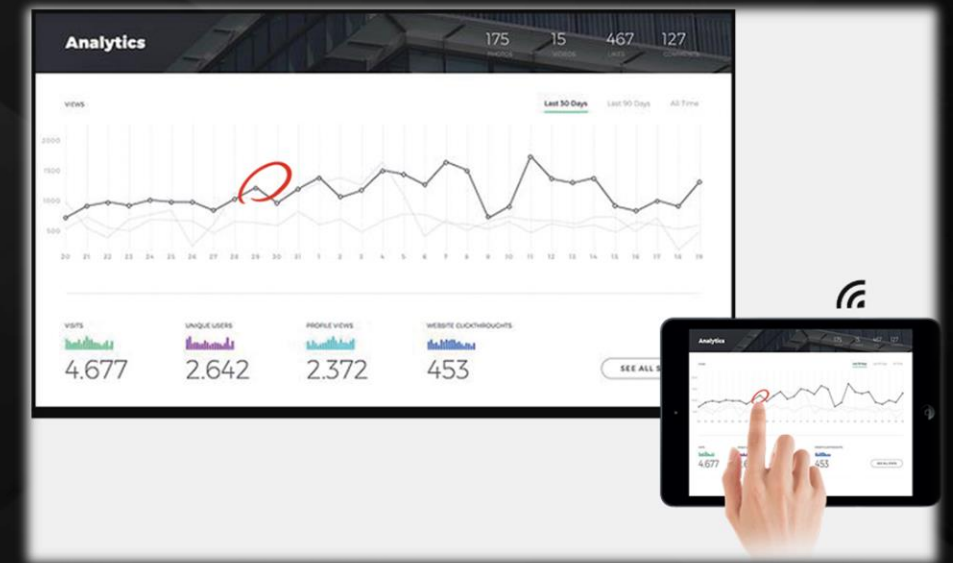


Wireless Screen Casting & Wireless Writing

Supports quick wireless screen casting from multiple devices such as computers, mobile phones, and tablets, as well as different platforms including Windows, iOS, and Android. Enables up to 4 independent split screens for simultaneous sharing.



The LED large screen can be controlled wirelessly via a tablet, allowing writing and annotation. Words appear right under your fingertips, delivering a smooth and effortless writing experience.



Infrared Touch Control

INFRARED TOUCH CONTROL

10-point touch, smooth 10-point line drawing.
Response speed ≥ 100 frames per second,
meeting writing requirements.

Includes intelligent diagnostic software for high
debugging and testing efficiency.



Ultra-Large Sizes

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More sizes available to meet diverse application needs,
delivering a more stunning visual experience.



108inch



135inch



162inch

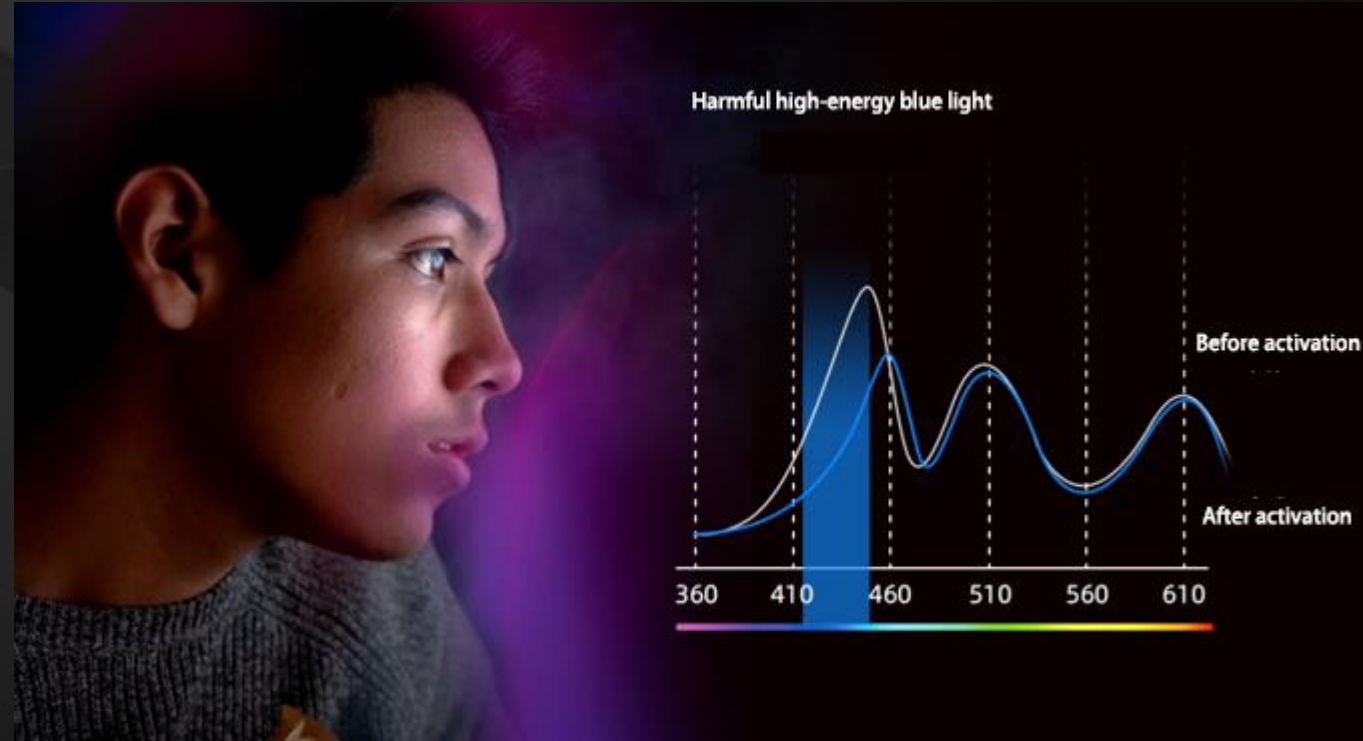
COB High-Definition Picture Quality

Adopting COB integrated packaging technology. Compared with SMD packaging technology, it offers better protection and heat dissipation, with no grainy feeling when viewed up close. The screen approximates a surface light source, providing a soft and non-glare image, while delivering ultra-high contrast and an ultra-wide color gamut. It enables uniform calibration of brightness and color for each individual pixel unit, bringing an exceptional display performance.



One-Key Eye Protection Care for your eyes

One press to activate eye protection mode. The system effectively helps filter out harmful high-energy short-wave blue light. Even after long periods of viewing, your eyes are better protected.



Dynamic Energy Saving & Smart Black-Screen Power Saving



Dynamic Energy Saving
Automatically detects video content and dynamically adjusts power consumption, reducing operating power by at least 20%.

Black-Screen Power Saving
Lowers power consumption by approximately 50% when the screen is black.



Application Scenarios

Exhibition & Display

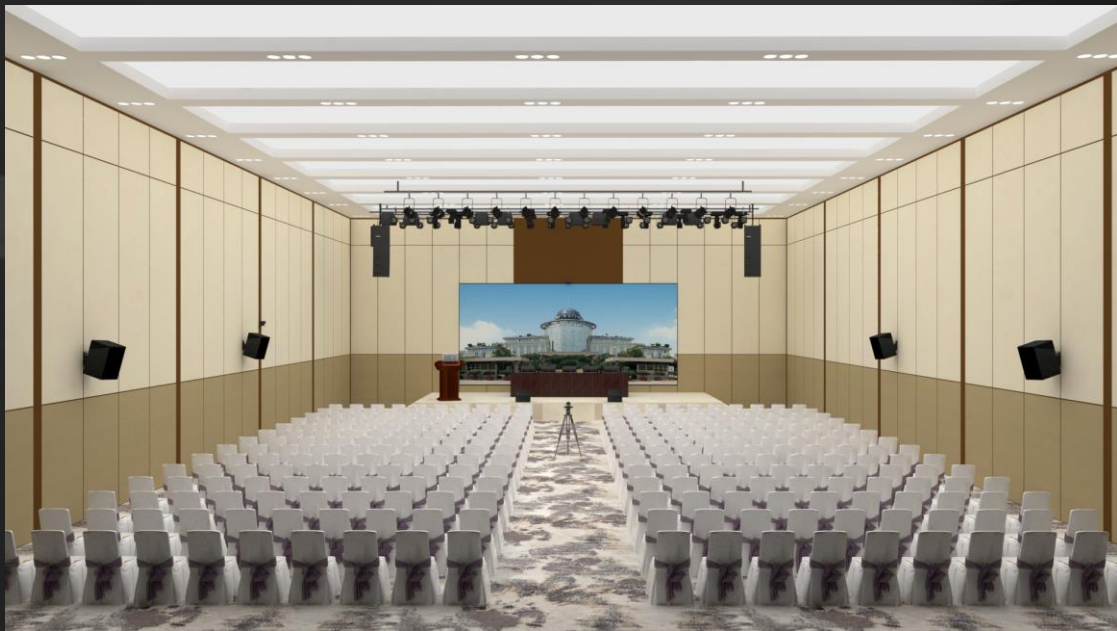


Office Area & Training Hall



Application Scenarios

Multifunction Hall



LectureHall & Meeting Room

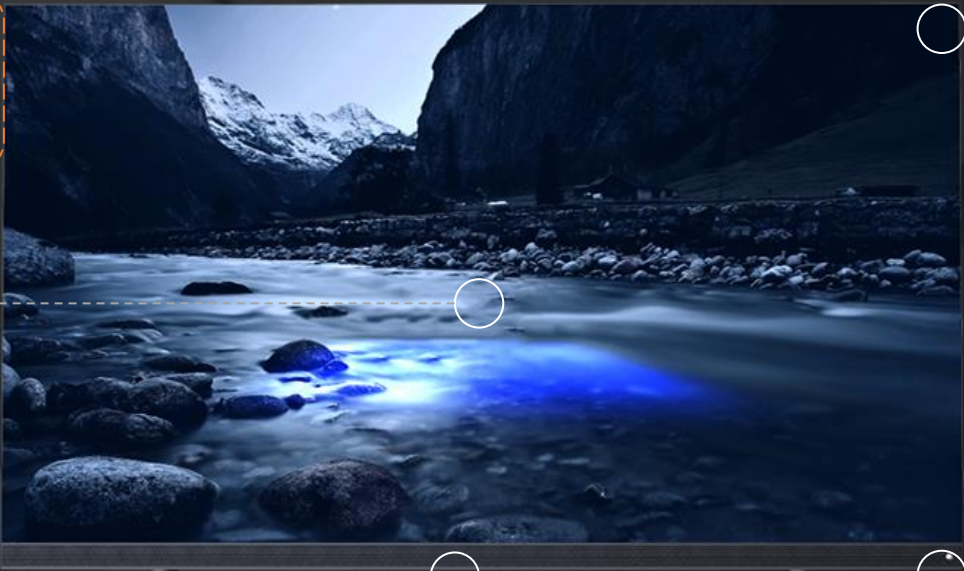


Product Topology Diagram & Parameters

Product Structure Diagram

Supports multi-screen seamless splicing, allowing flexible combination into a large ultra-high-definition display wall with high image quality, high resolution, and wide color gamut.

High-Definition Display Screen



Aluminum alloy edge banding,

CNC precision cutting, metallic finish; rounded chamfers for safety and comfort. Seamless splicing. Dustproof and waterproof for extended lifespan.

Aluminum Alloy Frame

Lightweight, high strength, impact-resistant; anodized treatment for corrosion resistance and aesthetics.

Universal Swivel Casters

Easy to move, convenient for use across different areas.

Menu Control Area

Power switch, signal source selection, volume adjustment.

Control Board Area

Input Source Section: Wired connection area for connecting mouse, keyboard, signal sources, etc.

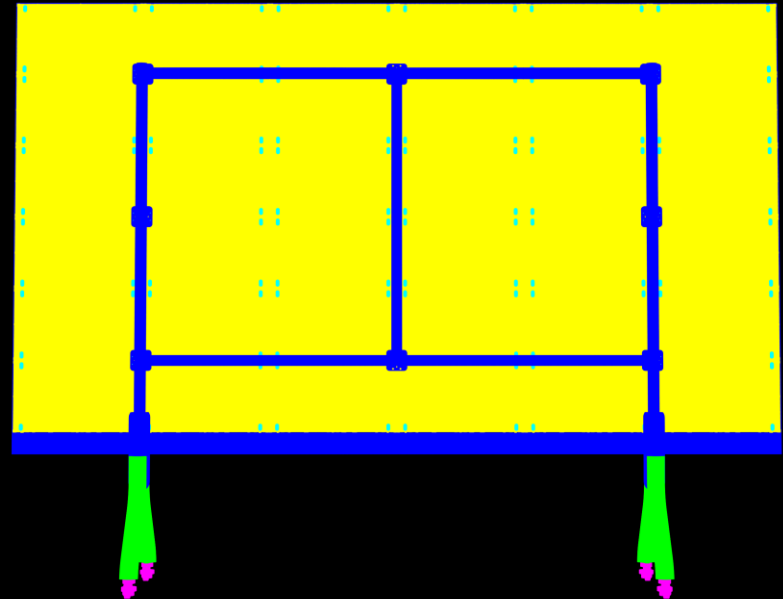
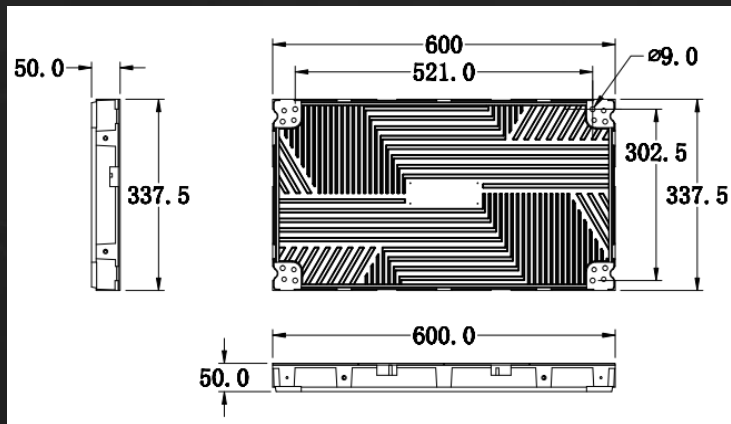
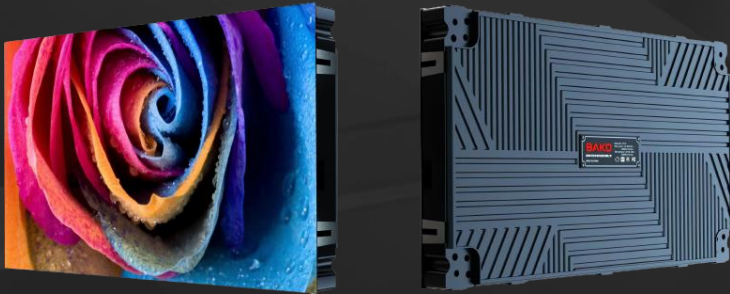
Dual System: Supports wired and wireless system signal switching. Output

Source Section: Can output video signals, audio interfaces, optical output, etc.

Main Structure Introduction

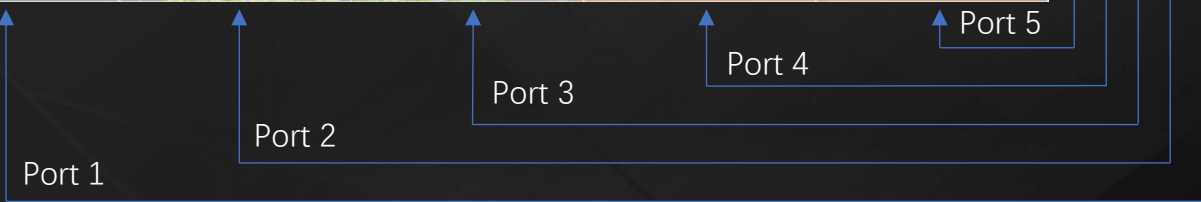
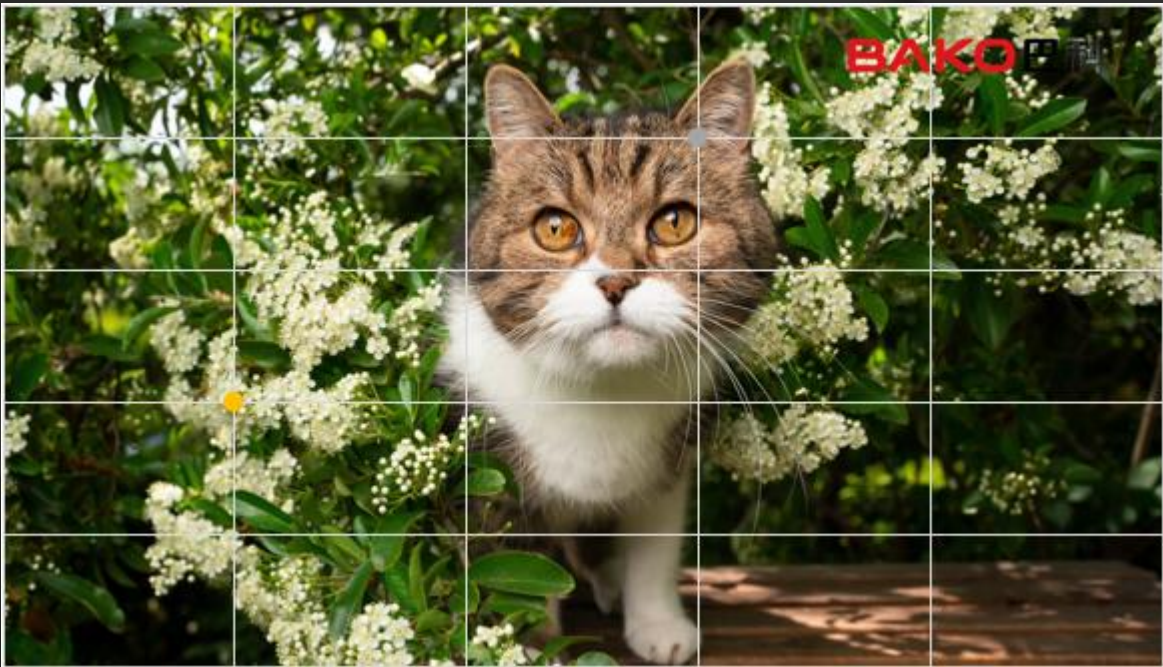
The LED conference all-in-one is mainly assembled from an external structure and LED display cabinets.

External structure: aluminum alloy frame, universal swivel casters, edge banding materials, bottom control column, control conference card.



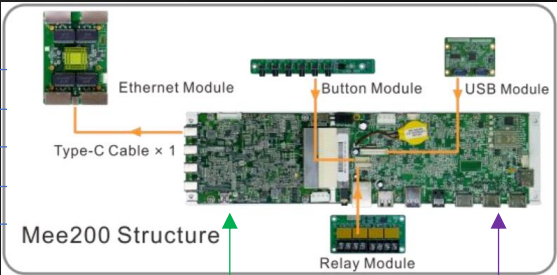
Screen Implementation Topology Diagram

LED large display - 5×5 cabinet splicing



- Ethernet port, wires
- Ethernet port, wires
- Ethernet port, wires
- Ethernet port, wires
- Ethernet port, wires

MEE310 conference card



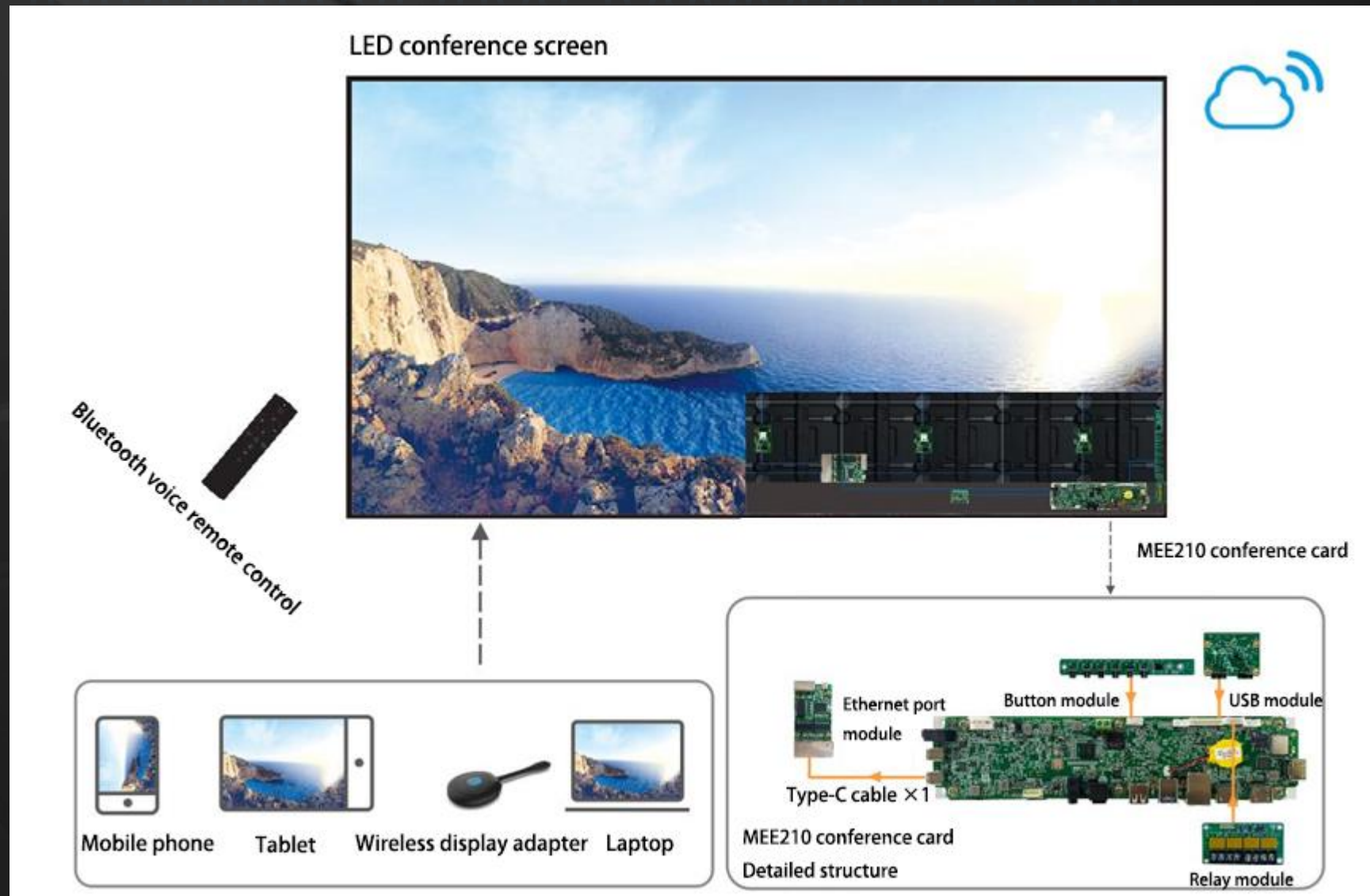
HDMI input



PC

Mini USB

Functional Implementation Topology Diagram



Parameter List

108inch Parameter List

Model	Pixel Pitch (mm)	Cabinet Size (mm)	Display Area Size (mm)	Size with Stand (mm)	Real Pixel Resolution	Max Power (W)	Avg Power (W)
BK0078-108	0.78	600×337.5×35.5	2400×1350	2410×2070	3072×1728	approx. 1200	approx. 480
BK0093-108	0.93				2560×1440	approx. 1120	approx. 448
BK0125-108	1.25				1920×1080	approx. 1120	approx. 448
BK0156-108	1.56				1536×864	approx. 1120	approx. 448
BK0187-108	1.87				1280×720	approx. 1040	approx. 416

Parameter List

135inch Parameter List

Model	Pixel Pitch (mm)	Cabinet Size (mm)	Display Area Size (mm)	Size with Stand (mm)	Real Pixel Resolution	Max Power (W)	Avg Power (W)
BK0078-135	0.78	600×337.5×35.5	3000×1687.5	3010×2408	3840×2160	approx. 1200	approx. 480
BK0093-135	0.93				3200×1800	approx. 1200	approx. 480
BK0125-135	1.25				2400×1350	approx. 1120	approx. 448
BK0156-135	1.56				1920×1080	approx. 1120	approx. 448
BK0187-135	1.87				1600×900	approx. 1040	approx. 416

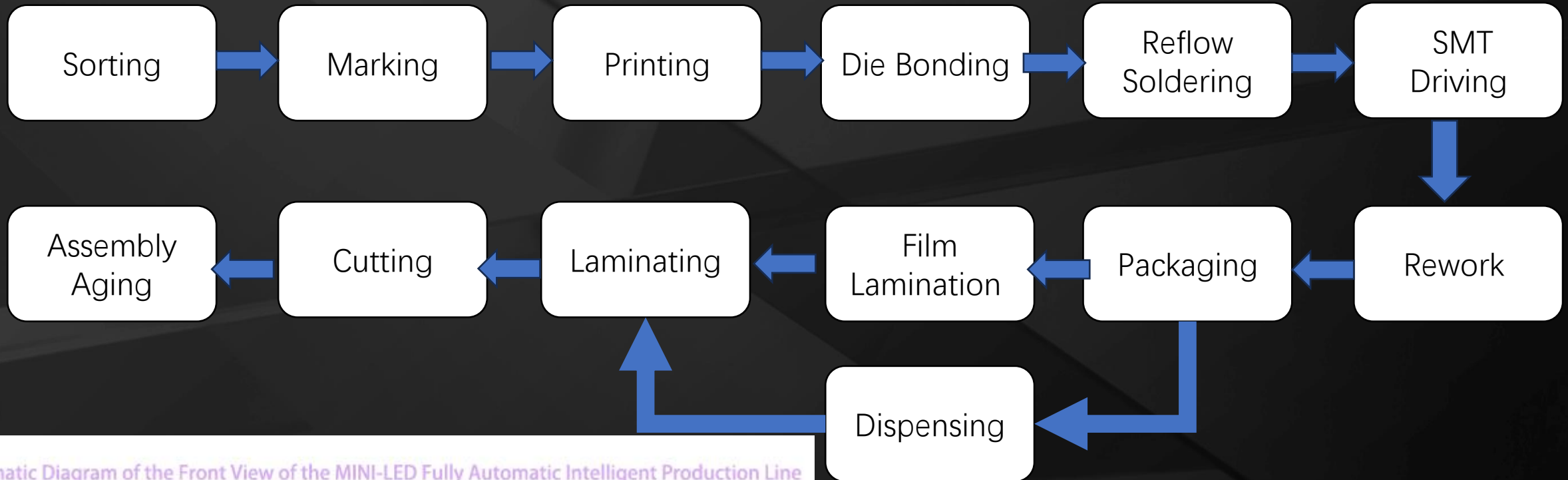
Parameter List

162inch Parameter List

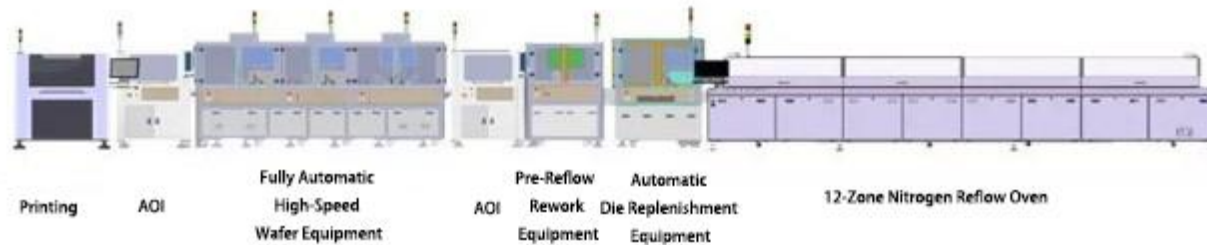
Model	Pixel Pitch (mm)	Cabinet Size (mm)	Display Area Size (mm)	Size with Stand (mm)	Real Pixel Resolution	Max Power (W)	Avg Power (W)
BK0078-162	0.78	600×337.5×35.5	3600×2025	3610×2745	4608×2592	approx. 2700	approx. 1080
BK0093-162	0.93				3840×2160	approx. 2700	approx. 1080
BK0125-162	1.25				2880×1620	approx. 2520	approx. 1008
BK0156-162	1.56				2304×1296	approx. 2520	approx. 1008
BK0187-162	1.87				1920×1080	approx. 2340	approx. 936

Production Process & Factory Overview

Production Process



Schematic Diagram of the Front View of the MINI-LED Fully Automatic Intelligent Production Line





Basic Situation & Production Line Configuration of the Third-Floor Die Bonding Workshop



Factory Live Status



Basic Workshop Information

The third-floor die bonding workshop covers an area of **4,500 square meters**. Its function is to accurately and stably attach bare chips (dies) onto designated positions on the substrate, directly affecting the electrical performance, heat dissipation efficiency, and reliability of the COB module.



Production Capacity

The workshop has **12 die bonding production lines**, fully covering the production process to ensure efficient and stable operation.



Number & Layout of Equipment

The workshop is equipped with a total of **72** die bonding machines, scientifically distributed across each production line, enhancing the level of automation and production efficiency.



Basic Situation & Production Line Configuration of the Second-Floor SMT Workshop



Factory Live Status



Basic Workshop Information

The second-floor SMT workshop covers an area of **2,000 square meters**. Its role spans multiple key stages of COB production, directly affecting the final product's quality, performance, and production efficiency.



Production Capacity

The workshop has **2 SMT assembly lines**, which run through the front-end processes of COB production and directly impact the functionality, stability, and production efficiency of the modules.

Factory Live Status



Basic Information of the Second-Floor Encapsulation Workshop

Basic Workshop Information

The second-floor encapsulation workshop covers an area of **2,000 square meters**. Its role spans key processes in COB module production. Through the application and curing of encapsulation materials (such as epoxy resin), it "seals and protects" core components including chips, bonding wires, and substrate circuits, while achieving heat dissipation, insulation, mechanical protection, and other functions.



Basic Information of the First-Floor Calibration & Assembly Workshop



Factory Live Status

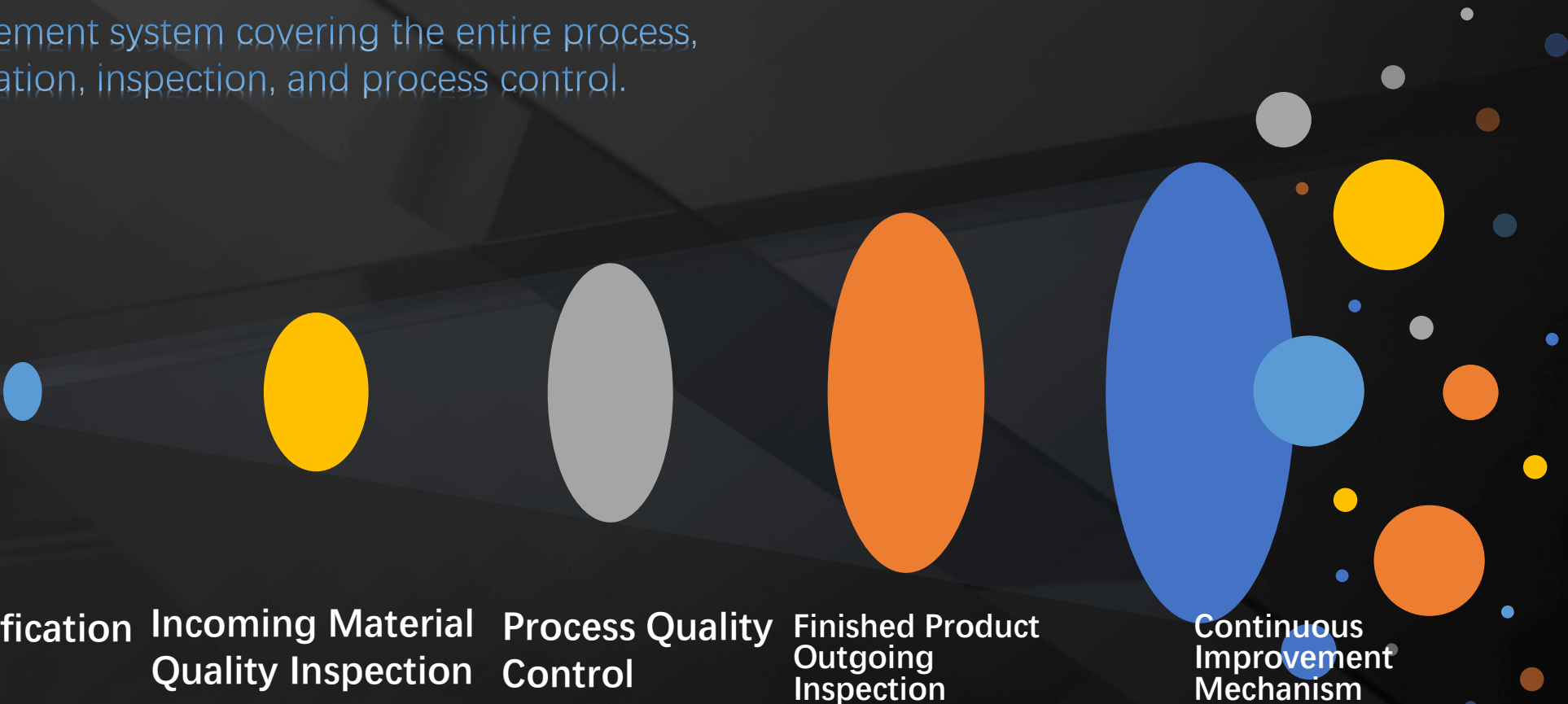


Basic Workshop Information

The first-floor calibration and assembly workshop covers an area of **4,500 square meters**. After encapsulation, COB modules may have individual performance differences (e.g., brightness, color temperature, voltage, signal sensitivity, etc.). The calibration and assembly workshop achieves parameter consistency through testing and calibration.

Management System

A quality management system covering the entire process, including certification, inspection, and process control.



System Certification Standards

The company has passed ISO9001 and other quality management system certifications, ensuring management processes comply with international standards.

Incoming Material Quality Inspection

Raw materials undergo strict inspection, controlling product quality from the source and preventing defective materials from entering production

Process Quality Control

IPQC monitoring is implemented at every production stage to ensure each process meets quality specifications.

Finished Product Outgoing Inspection

All finished products pass OQC inspection, ensuring that every shipped product meets customer and industry standards.

Continuous Improvement Mechanism

Management processes are optimized through quality data analysis and feedback, continuously improving product quality and customer satisfaction.



Thank you

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