PixelPLUS

THE FUTURE OF LED TECHNOLOGY

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IPTEC GENERAL TRADING LLC

Established in 2006, IPTEC headquartered in Dubai has a global presence across many countries with authorized distribution centres in Kenya, Angola, Greece, Pakistan, Kuwait & Nigeria. IPTEC is one of the Top CCTV Camera Distribution Company supplying high quality affordable security products such as IP Cameras, Analogue Cameras, Video Door Phones, Alarm Systems, Biometric Access Control Systems and other accessories as well. We supply security system devices for Airports, Banks, Hotels, Education, Healthcare, Retails, Stadiums, Critical Infrastructure & Logistics sectors.

DUBAI POLICE CERTIFIED COMPANY

We are a Dubai Police Certified Security and Surveillance Camera Distribution Company, which guarantees that our products and services meet high quality industry and regulatory standards for CCTV camera distribution

SOLUTIONS WE OFFER

VIDEO WALL
Innovative, high-performance video wall solutions that solve our customers' most challenging visualization problems. We are committed to delivering complete solutions that are intelligently tailored to the activities, environment, and work-flow of the people who will be using them.

VIDEO SURVEILLANCE
Provides video surveillance solutions for banks, retailers, transportation agencies, cannabis businesses and other commerical organizations. We provide world class Centralized IP based Video Surveillance solutions including IP cameras, IVA, VMS & NVR, designed specifically for large & growing.

BUSINESS SECURITY
IPTEC provides best in class access management solutions that enhances data security, efficiency, and productivity across the corporate network. We provide perfect and reliable solutions with an extensive collections of time attendance systems & biometric fingerprint systems.

PixelPLUS

PixelPLUS brings Award-Winning LED Solutions to the LED industry by delivering high-quality, customizable, and durable products. We are one of the leading companies in UAE with international recognition working in the production and installation of indoor as well as outdoor LED Screens and rental/staging products. We follow a solutions-oriented approach with addition to or current products showcase. By this approach, we keep innovating and develop new products based on the customers' needs, regardless of the size of the work. We have been honored by multiple awards for our products due to its one-of-its-kind and imaginative visual projects for a range of customers. We have gained knowledge from a myriad of demanding environments. This has helped us to develop reliable and cost-effective solutions and strives for creativity amplification.

What we do?
Our product line is divided into 3 categories based on the application desired – indoor, outdoor, and rental staging products.

• **Indoor LED products include**
ECO Series, Flexible Modules, Interactive, LED Banner, Transparent LED, and Floor LED.
• **Outdoor LED products include**
outdoor Cabinet, Advertising, Transparent LED, and Curtain LED.
• **Rental LED products include**
Outdoor Cabinet, Advertising, Transparent LED, and Curtain LED.

We follow a solutions-based approach for the desired needs of the customer and thus, we offer the following solutions:

• **Shop Signage LED Solutions** – to help your customers engage visually with attractive displays about your stores and shops.
• **Street Advertising LED Solutions** – which acts as a powerful and eye-catching advertisement tool for intersections on busy roads as well as freeway exits
• **Meeting Room LED Solutions** –to act as a dynamic and interactive backdrop in conference halls, meeting rooms, and boardrooms, and add value to speeches and presentations with graphical data.
• **Concerts & Events** – for stage background and can provide a combination of vivid pictures and music for concerts and events.
• **School** – to introduce a modern and interactive platform for communication between teachers, students, and the community.

MENA Marketing Service Network

Africa Market

Headquarters
Dubai
United Arab Emirates

Middle East Market

Products Introduction

- Fine Pixel Pitch LED Screen
- COB Fine Pixel Pitch LED Screen
- Indoor Modules Series
- Outdoor Fixed LED Screen
- Transparent LED Screen
- Rental LED Screen
- Creative LED Screen
- All-in-one LED Meeting Display
- LCD Smart Conference Display
- Conference Overall Solution

Cabinet size: 600*337.5*31mm (Ultra Thin Series)
Weight: 5.2kg

Cabinet size: 600*337.5mm*75mm （Conventional series
Weight: 6.5kg

| HD	High Grayscale	Quick Installation	Super wide Viewing Angle	Easy To Maintain	Seamless Stitching	Magnetic Adsorption	Low Power Consumption

High Reliability

- The integrated design of the interior ensures a clean internal structure, high reliability, and stable operation without the need for wiring.

Ultra-thin series   Conventional series
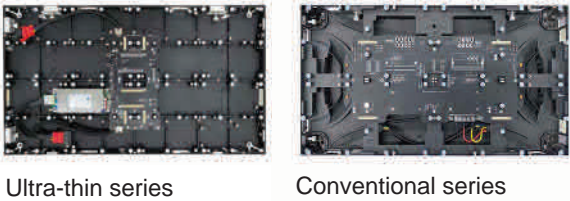
INTEGRATED POWER SUPPLY

16:9 Perfect Sizing

- The 16:9 aspect ratio, which is standardized and ideal for the eyes, can perfectly match mainstream video and content sources without any distortion.

7680
3840
4320
2160
1920
1080

2K:1920x1080   4K: 3840x2160   8K: 7680x4320
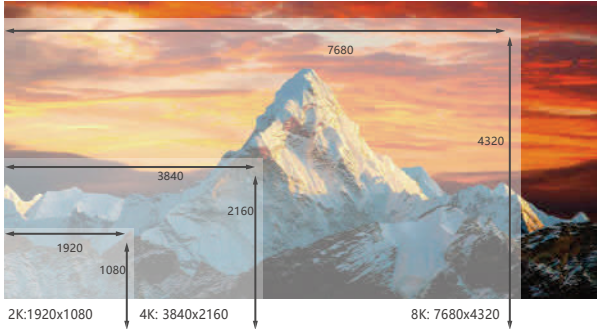
Magnetic Module

- The cable-free connection of magnetic secured modules greatly enhances both stability and maintenance efficiency.

MODULAR DESIGN

High definition LED display

- The usage of high-brightness matte black LEDs ensures low attenuation, high reliability, good consistency, and superior weather resistance.
- It provides exceptionally vivid images with its high contrast ratio of 5000:1.

High Contrast   Low Contrast
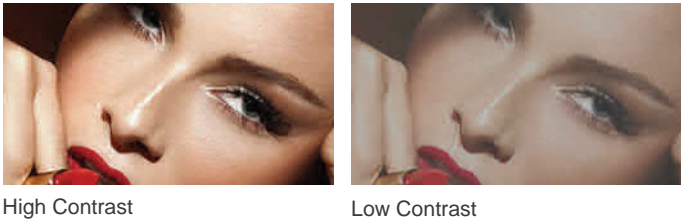
Seamless Splicing

- The excellent alignment and jointing between cabinets are ensured by locating pins and a die-cast aluminum structure.

Superior Heat Dissipation Performance

Silent Running

Compact & Lightweight

- The die-cast aluminum structure with high precision allows the cabinet to weigh only 5.8KG, ensuring a quick and easy installation.

Conventional series   Ultra-thin series

Technical parameter：

Pixel Pitch	0.9375mm	1.25mm	1.44mm	1.5625mm	1.875mm	2.34mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	1137777/m²	640000/m²	480716/m²	409600/m²	284444/m²	182044/m²
Module Resolution	320X180 dots	240X135 dots	208X117 dots	192X108 dots	160X90 dots	128X72 dots
Module Size （WXH)	300X168.75mm	300X168.75mm	300X168.75mm	300X168.75mm	300X168.75mm	320X168.75mm
White Balance Brightness	600cd/㎡	600cd/㎡	600cd/㎡	600cd/㎡	600cd/㎡	600cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥1 m	≥1 m	≥1 m	≥1 m	≥1 m	≥2 m
Contrast	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit
Refresh rate	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H	≥72H	≥72H	≥72H
Life Span	100，000 H	100，000 H	100，000 H	100，000 H	100，000 H	100，000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡

Seamless Splicing

Flip-chip COB
flip chip cob /fixed installation

LIGHT WEIGHT · LOW ENERGY · SKD · NO NOISE · HD HIGH DEFINITION · EASY INSTALL · RUGGED

ISO 9001 CQC · RoHS · UL · ETL · CE · FC · CCC · EMC · TÜV

Image Enhancement

- It supports HDR and has a 16-bit grayscale with a brightness of 1000 nits.

High Reliability

- It adopts flip chip COB encapsulation, making it waterproof, shockproof, and dustproof.

EHC(Ecology Human Care)

- It has low thermal resistance and good heat dissipation, which prolongs the life of the chip. Additionally, it is moisture-proof, anti-collision, waterproof, scrubable, seamlessly spliceable, and has high flatness.
- The ultra-high contrast creates a more delicate and layered picture.
- The flip-chip structure enhances the luminous efficiency.
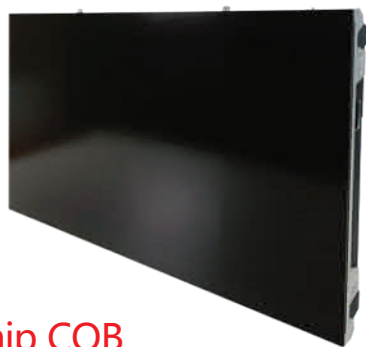
Flip Chip COB

The wireless flip chip COB is capable of withstanding higher currents, and its welding area is 6 times larger than conventional COB, resulting in higher reliability. With 100% light efficiency, it achieves a peak brightness of 1000 nits.

Image Enhancement

- Higher Stability and Reliability
- Higher pixel density
- Higher Contrast Ratio
- Excellent Thermal Management
- Wider View Angle without Color Shift
- Lower Heat Generation
- IP56 waterproof

chip

Flip chip COB

Encapsulation
die
PCB
Soldering pad — Soldering pad

Conventional SMD
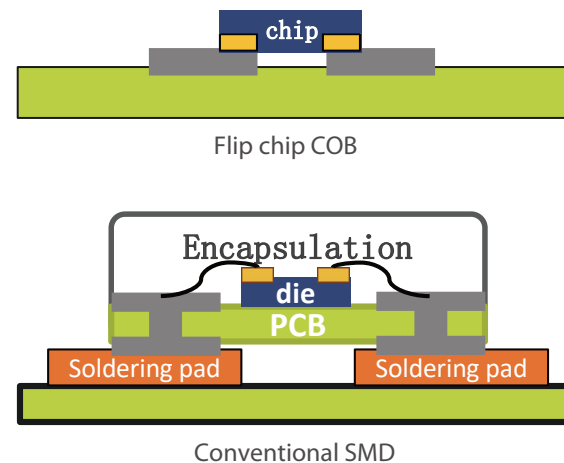
Technical parameter：(T=25℃)

Basic Parameter

Pixel Pitch	0.9375mm	1.25mm	1.5625mm
Pixel Structure	Full Flip COB 1R1G1B	Full Flip COB 1R1G1B	1R1G1B
Pixel Density	1,137,777/m^2	640000/m^2	409600/m^2
Module Resolution（WXH)	160*180 dots	120*135 dots	108*96dots
Module Size（WXH)	150*168.75mm	150*168.75mm	150*168.75mm

Optical Parameter

Single Point Brightness	support	support	support
Chroma Correction	support	support	support
White Balance Brightness	≥600cd/㎡	≥600cd/㎡	≥600cd/㎡
Color Temperature	2000-12500K Adjustable	2000-12500K Adjustable	2000-12500K Adjustable
Horizontal Viewing Angle	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥160°	≥160°	≥160°
Optimal Viewing Distance	≥1 m	≥1 m	≥1 m
Brightness Uniformity	≥97%	≥97%	≥97%
Contrast Ratio	≥5000:1	≥5000:1	≥10000:1

Process Performance

Signal Processing Bits	16 bits*3	16 bits*3	16 bits*3
Gray Scale	12-16Bit	12-16Bit	12-16Bit
Control Distance	Cable: 100 m,Optical Fiber: 10km	Cable: 100 m,Optical Fiber: 10km	Cable: 100 m,Optical Fiber: 10km
Drive Mode	constant current source driver	constant current source driver	constant current source driver
Frame Rate	≥50/60HZ	≥50/60HZ	≥50/60HZ
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ
Way To Control	Synchronize	Synchronize	Synchronize
Brightness Adjustment Range	0-100Stepless Adjustmen	0-100Stepless Adjustmen	0-100Stepless Adjustmen

Usage Parameter

Continuous Operation Time	≥72Hours	≥72Hours	≥72Hours
Life Span	>50,000Hours	>50,000Hours	>100,000Hours
IP Rating	Lamp face IP65/back IP20	Lamp face IP65/back IP20	Lamp face IP65/back IP20
Operating Temperature	-20ºC to 50ºC	-20ºC to 50ºC	-20ºC to 50ºC
Operating Humidity	10 %- 80% RH No Condensation	10 %- 80% RH No Condensation	10 %- 80% RH No Condensation
Storage Temperature	-20ºC to 60ºC	-20ºC to 60ºC	-20ºC to 60ºC

Electrical Parameter

Operating Voltage	D C 4.2-5V	D C 4.2-5V	D C 4.2-5V
Power Requirements	AC：100-240V/200-240V	AC：100-240V/200-240V	AC：100-240V/200-240V
Maximum Power Consumption	300W/㎡	300W/㎡	350W/㎡
Average Power Consumption	100W/㎡	100W/㎡	130W/㎡

Typical Applications

- Monitoring, command and control centre
- Shopping mall
- Opera house
- Church
- Reception hall
- Theatre stage design
- High-level video conferencing
- Window display
- Airport
- Stadium

Flip-Chip COB

SPECIFICATION

Cabinet size : 600x337.5mm

Module size: 150x168.75mm

Pixel pitch(mm): P0.9375 / P1.25

Pixel Structure: Full Flip COB 1R1G1B

IP Ratings: Indoor

SPECIFICATION

Cabinet size : 600x337.5mm

Module size: 150x168.75mm

Pixel pitch(mm): P1.5625

IP Ratings Indoor

Features:

The die-cast aluminum cabinet is ultra-light and thin, with high flatness. It measures only 28mm in thickness and weighs 3.2KG.

It has ultra-high reliability due to the absence of exposed pins and its resistance to anti-static breakdown, resulting in improved stability of the display.

It has a high IP grade and is easy to clean due to its COB truly fully sealed structure, which supports moisture resistance, anti-collision, prevention of pollution damage, and easier cleaning of the device surface.

It has high brightness and is anti-glare, as COB can effectively control the brightness of the pixel center, reduce the intensity of light radiation, and inhibit moiré, glare, and glare to the retina.

It has a wide viewing angle of up to 175° horizontally and vertically, with no color deviation from any direction.

COB packaged LED display has better heat dissipation, as it encapsulates the LEDs on the PCB board, making heat dissipation easier and causing little light attenuation. This greatly extends the life span of the display.

It adopts a Common Cathode design, resulting in lower power consumption. COB can effectively reduce power consumption by 25% to 50%, making it more environment-friendly and energy-saving. Additionally, COB has a longer operation lifespan.

It has a high refresh rate of 3840Hz, which results in dynamic ghostless images with no smearing. It also has a wider color gamut, uniform brightness, and broadcast-grade grayscale processing, bringing realistic and natural picture transitions.

Customer case

R&F Center p0.9

Indoor Modules Series

**Ultra-wide viewing angle, Good color consistency,
Easy maintenance, Quick installation
High brightness, High grayscale, High contrast,
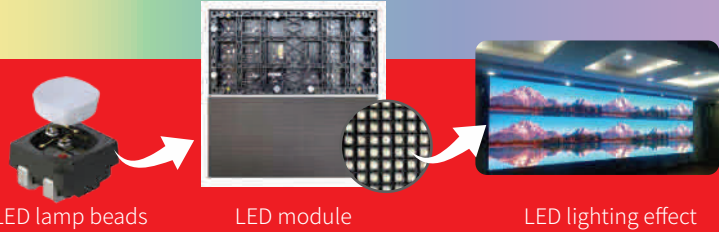Safe and reliable, Seamless splice**

Features of LED lamp beads

- The chips in RGB package are arranged in a straight line.
- The use of black package substrate improves color contrast.
- The modules are lightweight, with each single LED weighing only 1.0mg.
- It has great white balance brightness, resulting in a better display effect.
- The RGB package is all black with a matte surface, resulting in a softer screen glow.

LED lamp beads   LED module   LED lighting effect

Module Specifications:

Size	Pixel Pitch
320*160mm	P1.25 / P1.538 / P1.667 / P1.839 / P1.86 / P2 / P2.5 / P3.076 / P4
300*168.75mm	P0.9375 / P1.25 / P1.44 / P1.5625 / P1.875
256*128mm	P2 / P4
240*240mm	P1.5 / P1.667 / P1.875 / P2.5
200*150mm	P1.25 / P1.5625 / 1.667
192*192mm	P3
160*160mm	P2.22 / P2.5

Product Parameters

Technical parameter :(T=25℃)(Size: 200*150mm/192*192mm/160*160mm)

Pixel Pitch	1.25mm	1.5625mm	1.667mm	3mm	2.22mm	2.5mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	640000/㎡	409600/㎡	360000/㎡	111111/㎡	202905/㎡	160000/㎡
Module Resolution	160(W)*120(H)dots	128 (W) *96 (H) dots	120 (W) *90 (H) dots	64(W)*64(H)dots	72 (W) *72 (H) dots	64 (W) *64 (H) dots
Module Size (WXH)	200mm*150mm	200mm*150mm	200mm*150mm	192mm*192mm	160mm*160mm	160mm*160mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥1 m	≥1 m	≥1 m	≥3 m	≥2 m	≥2 m
Contrast	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡

Technical parameter：(T=25℃)(Size：320*160mm)

Pixel Pitch	1.25mm	1.538mm	1.667mm	1.839mm	1.86mm	2mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	640000/㎡	422753/㎡	359856/㎡	295690/㎡	289050/㎡	250000/㎡
Module Resolution	256(W)*128(H)dots	208 (W) *104 (H) dots	192 (W) *96 (H) dots	174 (W) *87 (H) dots	172(W)*86(H)dots	160 (W) *80 (H) dots
Module Size (WXH)	320mm*160mm	320mm*160mm	320mm*160mm	320mm*160mm	320mm*160mm	320mm*160mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥1 m	≥1 m	≥1 m	≥1 m	≥1 m	≥2 m
Contrast	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡

Pixel Pitch	2.5mm	3.076mm	4mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B
Pixel Density	160000/㎡	105688/㎡	62500/㎡
Module Resolution	128 (W) *64 (H) dots	104 (W) *52 (H) dots	80 (W) *40 (H) dots
Module Size (WXH)	320mm*160mm	320mm*160mm	320mm*160mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥2 m	≥3 meters	≥4 meters
Contrast	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡

Technical parameter:(T=25℃)(Size:300*168.75mm)

Pixel Pitch	0.9375mm	1.25mm	1.44mm	1.5625mm	1.875mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	1137777/㎡	640000/㎡	482253/㎡	409600/㎡	284444/㎡
Module Resolution	320(W)*180(H)dots	240 (W) *135 (H) dots	208 (W) *117 (H) dots	192 (W) *108 (H) dots	160 (W) *90 (H) dots
Module Size (WXH)	300mm*168.75mm	300mm*168.75mm	300mm*168.75mm	300mm*168.75mm	300mm*168.75mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥1 m	≥1 m	≥1 m	≥1 m	≥1 m
Contrast	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡

Technical parameter:(T=25℃)(Size:256*128mm/240*240mm)

Pixel Pitch	2mm	4mm	1.5mm	1.667mm	1.875mm	2.5mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	250000/㎡	62500/㎡	444444/㎡	360000/㎡	284444/㎡	160000/㎡
Module Resolution	128 (W) *64 (H) dots	64 (W) *32 (H) dots	160(W)*160(H)dots	144 (W) *144 (H) dots	128 (W) *128 (H) dots	96 (W) *96 (H) dots
Module Size (WXH)	256mm*128mm	256mm*128mm	240mm*240mm	240mm*240mm	240mm*240mm	240mm*240mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°	≥160°	≥160°	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°	≥140°	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥2 m	≥4 meters	≥1 meters	≥1 meters	≥1 meters	≥2 meters
Contrast	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H	≥72H	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H	100,000 H
Operating Voltage	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡	260W/㎡

Indoor Modules Series

Module 160mm × 160mm	Pixel pitch(mm): P 2.22 / P 2.5	

Module 192mm × 192mm — Pixel pitch(mm): P3

Module 240mm × 240mm — Pixel pitch(mm):
P1.5 / P1.667
P1.875 / P2.5

Module 200mm × 150mm — Pixel pitch(mm):
P1.25 / P1.5625
P1.667

Module 256mm × 128mm — Pixel pitch(mm):
P2 / P4

Module 300mm × 168.75mm — Pixel pitch(mm):
P 0.9375 / P 1.25
P1.44 / P 1.5625 / P 1.875

Module 320mm × 160mm — pixel pitch:
P1.25 / P 1.538
P1.667/ P 1.839 / P1.86 /P2 / P2.5 / P3.076/ P4

Size	Pixel pitch
320*160mm	P1.25 / P1.538 / P1.667 / P1.839 / P1.86 / P2 / P2.5 / P3.076 / p4
300*168.75mm	P0.9375 / P1.25 / P1.44 / P1.5625 / P1.875
256*128mm	P2 / P4
240*240mm	P1.5 / P1.667 / P1.875 / P2.5
200*150mm	P1.25 / 1.5625 / 1.667
192*192mm	P3
160*160mm	P2.22 / P2.5

Features:

The chips within the RGB package are organized linearly.
Color contrast is enhanced by utilizing a black package substrate.
Each individual LED weighs merely 1.0mg, rendering the product lightweight.
Attaining an entirely black RGB package is feasible.
The product's surface is treated with a matte finish to create a gentler screen illumination.

Customer case

Digital Kiosk, LED Banner

Features:

- Our commercial grade touchscreen indoor kiosk designed for 24/7 application features an elegant design and functionality making self-service and engagement with your customers easy. These kiosks can easily replace the traditional printed posters/ banners or any visual that requires frequent communication or shout-outs. These are one time investments that give you an immediate return on investment.

- **Applications :**

  - Mall Navigation Systems
  - Hotels & Reception
  - Financial Institutions
  - Government offices
  - information points
  - Airport & rail stations
  - Museums & Exhibitions

- **HIGH-RESOLUTION**
  Resolution is also critical in most LED installations. One of the market's highest resolution displays is the LED Banner pitch.

- **PIXEL CALIBRATION**
  To help minimize failure and ensure the optimal colour and brightness of your LED screen, the LED Banner monitor is adjusted straight out of the box.

- **PROMOTE YOUR MESSAGE**
  The perfect show to promote your message in any commercial, hospitality, retail or entertainment setting where possible.

- **INTEGRATED MEDIA PLAYER**
  Your stand is able to play back any jpeg, video or visual media with an integrated media player and local storage. Build a schedule to keep your audience's content new, up to date and appropriate.

- **CONNECTIONS**
  Easy interface to run, modified via USB, HDMI or network connection

Free Standing Touch & Non Touch screen Advertising Kiosk

SPECIFICATION

Professional chip and processing technology to ensure high image quality.
Industrial high-performance LCD screen ensures high image clarity, high brightness and stability of use.
The surface is fine-grained, smooth and even, with good anti-rust and wear-resisting functions.
Adopt industrial industrial control board, Android system

Portable Advertising LED Banner

SPECIFICATION
Professional chip and processing technology to ensure high image quality.
Industrial high-performance LCD screen ensures high image clarity, high brightness and stability of use.
The surface is fine-grained, smooth and even, with good anti-rust and wear-resisting functions.
Adopt industrial industrial control board, Android system

Free Standing Advertising Kiosk

SPECIFICATION

Professional chip and processing technology to ensure high image quality.
Industrial high-performance LCD screen ensures high image clarity, high brightness and stability of use.
The surface is fine-grained, smooth and even, with good anti-rust and wear-resisting functions.
Adopt industrial industrial control board, Android system

Wall Mount Advertising Kiosk

SPECIFICATION

Professional chip and processing technology to ensure high image quality.
Industrial high-performance LCD screen ensures high image clarity, high brightness and stability of use.
The surface is fine-grained, smooth and even, with good anti-rust and wear-resisting functions.
Adopt industrial industrial control board, Android system

All-in-one LED Meeting Display

Specification
size: 108 "
Pixel pitch(mm): P1.25 / P1.5625 / P1.875

Specification
size: 136 "
Pixel pitch(mm): P0.9375 / P1.25
P1.5625 / P1.875 / P2.34

Specification
size: 163"
Pixel pitch(mm): P0.9375 / P1.25
P1.5625 / P1.875 / P2.34

Specification
size: 216 "
Pixel pitch(mm): P2.34

Features:

- Fashionable and simple thin bezel-free design, the box thickness is only 28mm, the screen ratio of up to 95%, a broader visual extension, fully show the high-end atmosphere.

- 2K-4K high-definition resolution, 16bit high grayscale, full broadcast level color gamut, high brightness and high refresh rate brings more natural color restoration and more extremely visual enjoyment.

- Support PC, mobile phone, tablet, multi-platform wireless screen casting, support simultaneously displaying for four screen at maximum, enables interaction more convenient.

- Highly integrated, with universal TV interface; Without construction, support free standing or wall-mounted installation, more convenient and fast.

Customer case

Conference Overall Solution
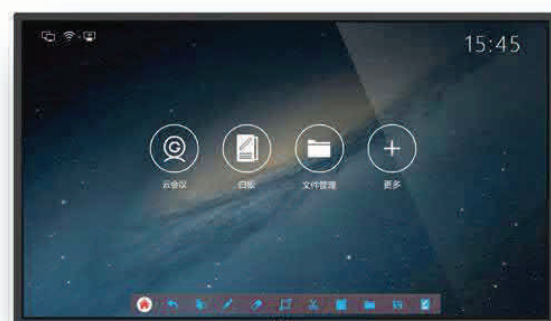
Features:

- The multimedia conference system should be built to meet the needs of internal conferences, modern conferences, decision-making conferences, and information release, and design function set display systems, video conference systems, digital conference speech discussion systems, sound reinforcement systems, central centralized control systems, signal processing and The multi-media intelligent electronic conference system integrating the connection system, conference intelligent camera system, conference video system and other applications.

- The configuration and design of the system can meet the needs of daily meetings, report meetings, multimedia presentations and other office services to the greatest extent.

- It can be used for daily internal meetings;
  Can be used as a video conference room;
  It can meet the use requirements of various information film screenings, various training sessions, and various reports;
  High-level executive meetings may be convened;
  It can realize free discussion in meetings, etc.;
  Realize intelligent and automatic control;
  Real-time meeting recording, storage, live broadcast, on-demand.

Small meeting room / 30m² -60m²

Medium and large meeting room / 60m²-200m²

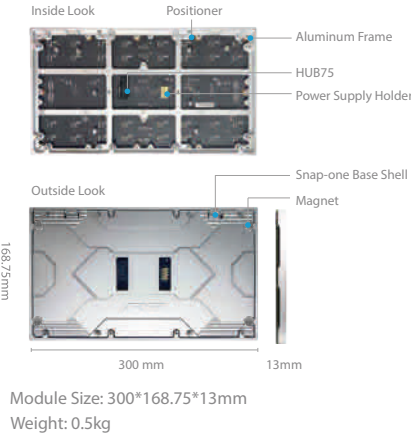Function Room / 200m² above

Lecture Hall / 200m² above

LED Aluminum Bottom Case Display

| HD	High Contrast	High Grayscale	High Brightness	Easy To Maintain	Quick Installation	Thin And light	Low Power Consumption

● Advantages

The LED aluminum base module is incredibly thin, measuring only 13mm in thickness, which allows for a perfect connection when splicing, resulting in a flatter and easier-to-install screen compared to conventional modules.

The module's base shell is made of durable aluminum material, providing excellent thermal conductivity to dissipate heat and maintain stability in high and low-temperature environments. To ensure the highest installation quality and shape accuracy, the module features independently designed bent angle connectors that connect the structural profile and outer frame

Inside Look   Positioner

Aluminum Frame
HUB75
Power Supply Holder

Outside Look

Snap-one Base Shell
Magnet

168.75mm

300 mm   13mm

Module Size: 300*168.75*13mm
Weight: 0.5kg

● Installation And Maintenance

The aluminum base module can be mounted using either magnet-on or back-locked screws. This allows the PCB to fit perfectly on the aluminum base, facilitating efficient heat dissipation and maintaining stability even in high and low-temperature environments. The module's back cover is snap-fitted, making it easy to install and remove for maintenance purposes.

Cabinet Frame Structure   How To Install And Maintain
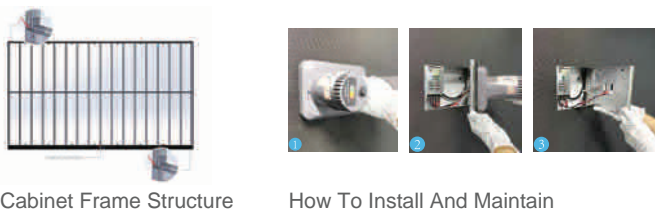
Technical parameter(T=25℃)

Basic Parameter

Pixel Pitch	1.5625mm	1.875mm	2.34mm
Pixel Structure	1R1G1B	1R1G1B	1R1G1B
Pixel Density	409600/㎡	284444/㎡	182044/㎡
Module Resolution	192 (W) *108 (H) dots	160 (W) *90 (H) dots	128 (W) *72 (H) dots
Module Size (WXH)	300mm*168.75mm	300mm*168.75mm	300mm*168.75mm

Optical Parameter

Single point brightness	support	support	support
Chroma Correction	support	support	support
White balance brightness	≥600cd/㎡	≥600cd/㎡	≥600cd/㎡
Color temperature	2000K—12500K	2000K—12500K	2000K—12500K
Horizontal viewing angle	≥160°	≥160°	≥160°
Vertical viewing angle	≥140°	≥140°	≥140°
Optimal Viewing Distance	≥1 m	≥1 m	≥2 m
Brightness uniformity	≥97%	≥97%	≥97%
Contrast	≥5000:1	≥5000:1	≥5000:1

Process Performance

Signal processing bits	16bits*3	16bits*3	16bits*3
Grayscale	12-14Bit	12-14Bit	12-14Bit
Control distance	Cable: 100 m,Optical Fiber：10km	Cable: 100 m,Optical Fiber：10km	Cable: 100 m,Optical Fiber：10km
Drive mode	constant current source driver	constant current source driver	constant current source driver
Frame rate	≥60HZ	≥60HZ	≥60HZ
Refresh rate	≥3840HZ	≥3840HZ	≥3840HZ
Control method	Synchronize	Synchronize	Synchronize
Brightness adjustment range	Brightness Adjustment Range	Brightness Adjustment Range	Brightness Adjustment Range

Usage Parameter

Continuous working time	≥72H	≥72H	≥72H
Life Span	100,000 H	100,000 H	100,000 H
Protection class	IP20	IP20	IP20
range of working temperature	-20 ℃ to 50 ℃	-20 ℃ to 50 ℃	-20 ℃ to 50 ℃
Operating humidity range	10 %- 80% RH	10 %- 80% RH	10 %- 80% RH
Storage temperature range	-20 ℃ TO 60 ℃	-20 ℃ TO 60 ℃	-20 ℃ TO 60 ℃

Electrical Parameter

Operating Voltage	DC 4.5-5V	DC 4.5-5V	DC 4.5-5V
Power Requirements	AC：220×（1±10%）V、50×（1±5%）Hz	AC：220×（1±10%）V、50×（1±5%）Hz	AC：220×（1±10%）V、50×（1±5%）Hz
Maximum power consumption	680W/㎡	680W/㎡	680W/㎡
Average power consumption	270W/㎡	270W/㎡	270W/㎡

Seamless Splicing

Flexible LED
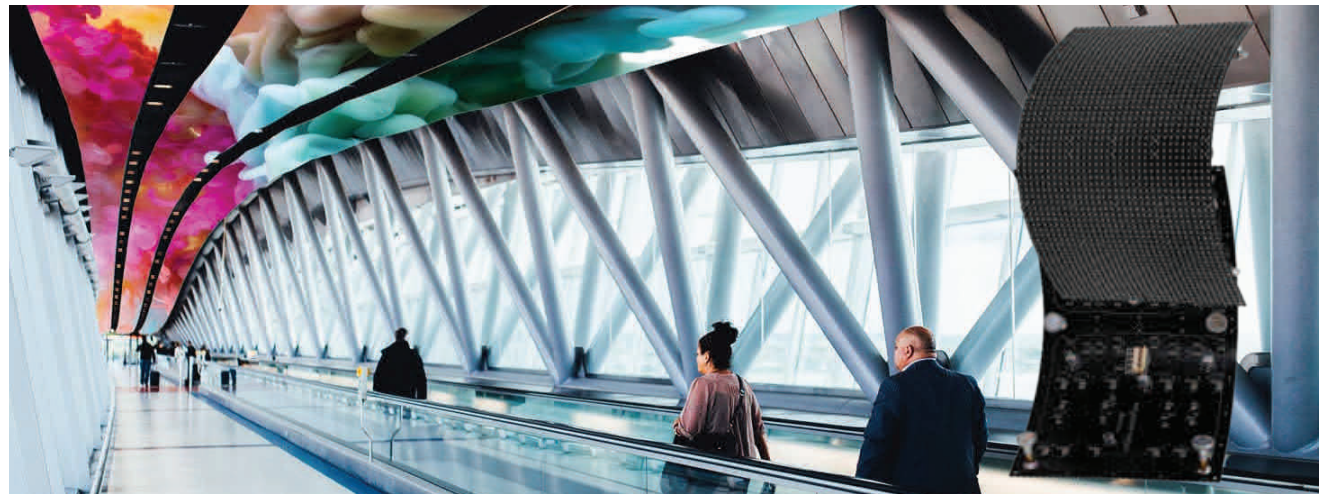
Features:

- The Flexible Modules Adaptive LED Tile enables more imagination than ever before. They are suitable for making round and innovative LED screen projects. Flexible LED screen are very popular in Dubai, Abu Dhabi, Al Ain. Any conventional display screen part is removed by its radical lightweight design: no shader, no perforations, nothing to interfere with the viewing experience. It is ideal for those installations that need a non-traditional LED solution because of its lightweight and ability to curve, bend, fold and adhere to virtually any metal surface. Flexible Modules allows seamless convex or concave LED designs where conventional flat or concave LED designs are not flexible panels will not work. Flexible Modules is an extremely lightweight and high-resolution production like no other.

The Flexible Modules Series are available in the following pixel pitches: P1.6, P1.9, P2.5, P3, P4, P5

- **Applications :**

  - High-resolution Modules
  - Easily Build Concave & Convex Curves
  - Front & Rear Serviceability
  - Reliable Data & Power Management

- Flexible display is made of high quality SMD Leds integrated into a special rubber module, showing a nice and clear image, just like a regular video screen
- With a refresh rate of more than 1200 Hz, the image is flicker-free, suitable for professional applications,lightweight and small in volume,fast, easy and not costly installation
- The display curtain is made of special rubber that can be coated to become waterproof.
- It can be applied to achieve concave or convex display , making it suitable to all kind of irregular shapes, such as circles, columns, ellipses, triangles etc.

EASILY BUILD CONCAVE & CONVEX CURVES
Spice up your visual landscape with angles, curves and just about any other creative design via seamless convex or concave curved video walls.

CREATIVE CONFIGURATIONS
With Flexible Modules, adaptive capabilities, the development of angles, curves, cylindrical and seamless designs has never been so simple.

FRONT & REAR SERVICEABILITY
The replacement of a single module made it easy, improving serviceability in the sector.

MAGNETIC
Magnetic mounts allow attachment to virtually any metal surface or LED video design, along with set screw ports.

RELIABLE DATA & POWER MANAGEMENT
Combined with quality connectors, external sending and receiving control ensures stable and reliable connections between each Flexible Modules Adaptive LED tile when conventional flat or flexible LED panels are not applicable. Up to 30 feet from the design, power supplies can be mounted, extending the life of the LED design and keeping the final product construction small, lightweight, and compact.

HIGH-RESOLUTION MODULES
High-resolution video replay as well as innovative architectural displays allow for a wide variety of pitch choices.

CUSTOM FRAMES
Flexible Modules Tiles can be attached via magnets to virtually any surface. The Flexible Modules specific framing structure is built and produced to achieve your particular concept and implementation, with each project being particular.

CUSTOM SIZING
In order to satisfy the need for more innovative LED video designs, FLEXMod tiles come in regular sizes and can also be modified or trimmed to make angled tiles.

SLIM CONSTRUCTION
Smaller modules improve the accessibility of innovative displays.

MODEL	P1.875	P2	P2.5	P3	P4
Pixel Pitch (mm)	1.875	2	2.5	3.0	4.0
Pixel Composition			RGB	RGB	
Size: LxW (mm)	240x120	256x128	320x160	240x120	256x128
Structural Features			Light & drive in one		
Lamp Type	SMD1515	SMD1515	SMD2121	SMD2121	SMD2121
Input Voltage			4.2-5.0V		
Panel Power	≤11.5W	≤11.5W	≤11.5W	≤15W	≤15W
Maximum Current	2.0A±0.3A	2.0A±0.3A	2.0A±0.3A	2.7A±0.3A	2.7A±0.3A
Pixel Density (dots/m2)	284262	250000	160000	111111	62500
Kit Material			Polycarbonate		
Drive Method	1/32 scan	1/32 scan	1/32 scan	1/20 scan	1/16 scan
Copper m2 Nut			6x8xM4		
Brightness	≥600	≥600	≥800	≥800	≥800
Average Power	≤46W	≤46W	≤46W	≤45W	≤60W
Maximum Power	≤92W	≤92W	≤92W	≤90W	≤120W

Rental LED Screen

SPECIFICATION

Cabinet size: 500 x 500mm

Module size : 250 x 250mm
Indoor (mm) : P2.6 / P2.97 / P3.9
Outdoor (mm): P2.97 / P3.9 / P4.8

SPECIFICATION

Cabinet size : 576 x 576mm

Module size : 288 x 288mm
Indoor (mm) : P3.8 / 4.8
Outdoor (mm): P3.8 / P4.8

Features:

- The module comes with unique protection for all four corners, providing maximum protection for the edges of the module.

- The fast lock feature allows for automatic locking when two cabinets are combined, enabling one person to complete the installation process.

- The system is designed with a modular structure for easy installation and maintenance. It features easy pin connections and an independent power box for convenient installation and management.

- The system has a unique curve connection design that supports both concave and convex connections, and allows for ±6, 0, ±3 arc adjustments.

- The system supports both front and rear access, making it easy for maintenance and servicing.

- The system supports hanging and stack assembly, as well as ground support system installation.

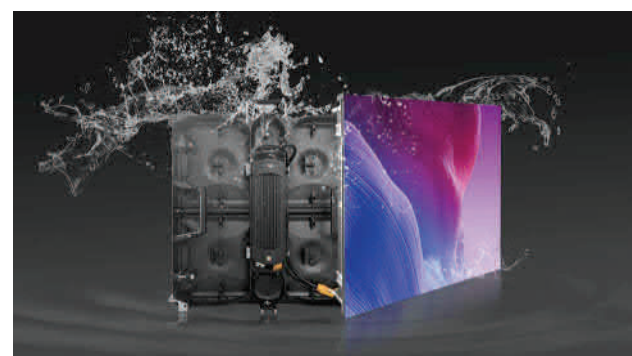## Customer case

Rental LED Screen

Product Information

HD	High Grayscale	Quick Installation	Super wide Viewing Angle	Easy To Maintain	Seamless Stitching	Magnetic Adsorption	Low Power Consumption

288mm

288mm

Module size： 288*288mm

Protective Corner

Mod Handle

Fast lock

Handle

Fast Lock Base

Handle

Power Box

Test Button Indicator

Power Socket

Network Cable Socket

Cabinet size： 576*576*94mm Weight:7.8kg

IP65 Waterproof Rating/Easy Maintenance

The system has a good waterproof effect, with an IP65 protection level, making it suitable for outdoor rental use.

The magnetic module structure supports front maintenance, allowing for individual module replacement without removing the whole panel, providing stability and durability. It also offers easy maintenance access for technicians from the front.

Installation Method

This cabinet made of high-precision die-cast aluminum is seamless and features a new structural design, making it ideal for outdoor use. It can be hoisted and stacked, providing a perfect solution for various applications.

Technical parameter：(T=25℃)(Indoor)

|		
Pixel Pitch	3.8mm	4.8mm
Pixel Structure	3IN1 SMD	3IN1 SMD
Pixel Density	67817/㎡	43402/㎡
Module Resolution	75X75 dots	60X60 dots
Module Size (WXH)	288mm x 288mm	288mm x 288mm
White Balance Brightness	800-1000cd/㎡	800-1000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°
Optimal Viewing Distance	≥4meters	≥5 meters
Contrast	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H
Life Span	100,000 H	100,000 H
Protection Class	IP20	IP20
Operating Voltage	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	700W/㎡	700W/㎡
Average Power Consumption	260W/㎡	260W/㎡

Technical parameter：(T=25℃)(Outdoor)

|		
Pixel Pitch	3.8mm	4.8mm
Pixel Structure	3IN1 SMD	3IN1 SMD
Pixel Density	67817/㎡	43402/㎡
Module Resolution	75X75 dots	60X60 dots
Module Size (WXH)	288mm x 288mm	288mm x 288mm
White Balance Brightness	≥5000cd/㎡	≥5000cd/㎡
Color Temperature	2000K—12500K	2000K—12500K
Horizontal Viewing Angle	≥160°	≥160°
Vertical Viewing Angle	≥140°	≥140°
Optimal Viewing Distance	≥5meters	≥5 meters
Contrast	≥5000:1	≥5000:1
Grayscale	12-14Bit	12-14Bit
Refresh Rate	≥3840HZ	≥3840HZ
Continuous Working Time	≥72H	≥72H
Life Span	100,000 H	100,000 H
Protection Class	IP65	IP65
Operating Voltage	DC 4.2-5V	DC 4.2-5V
Maximum Power Consumption	850W/㎡	850W/㎡
Average Power Consumption	300W/㎡	300W/㎡

Typical Applications

Transparent LED Screen

Customer case
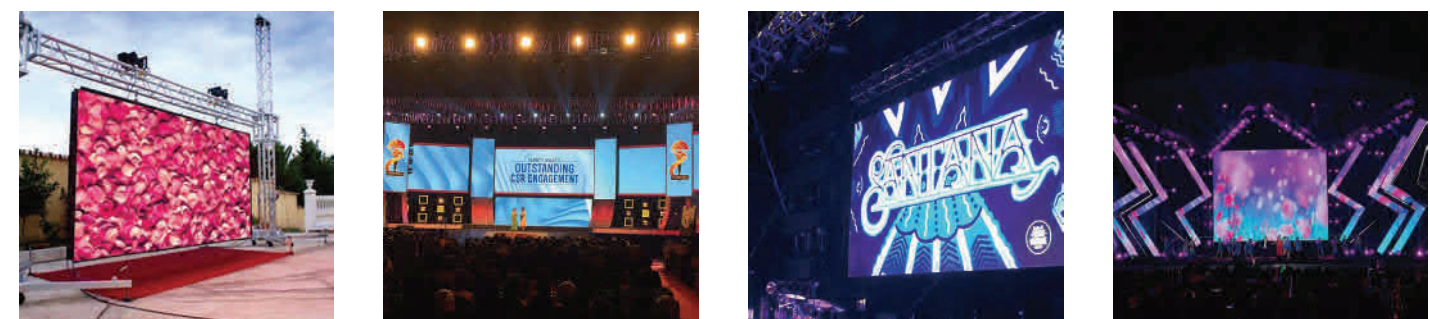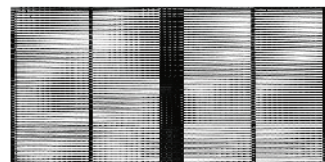
SPECIFICATION

Cabinet size 500x1000mm

pixel pitch: P2.6-5.95mm / P3.9-7.8mm
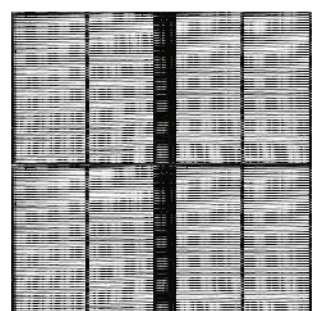
SPECIFICATION

Cabinet size 1000x1000mm

pixel pitch: P2.6-5.95mm / P3.9-7.8mm

Features:

- The aluminum module frame is lightweight, making it easier to maintain.

- The multi-layer circuit design is adopted to ensure that the current distribution of the lamp board is uniform and the heat dissipation is fast

- High protection, high waterproof..

- The bracket installation, back strip installation, and installation/removal of the whole screen are securely fastened and connected using quick bolts, enabling fast and easy installation.

- It finds application in various settings such as stages, beauty pageants, auto shows, concerts, convention and exhibition centers, hotel theaters, commercial shopping centers, and more.
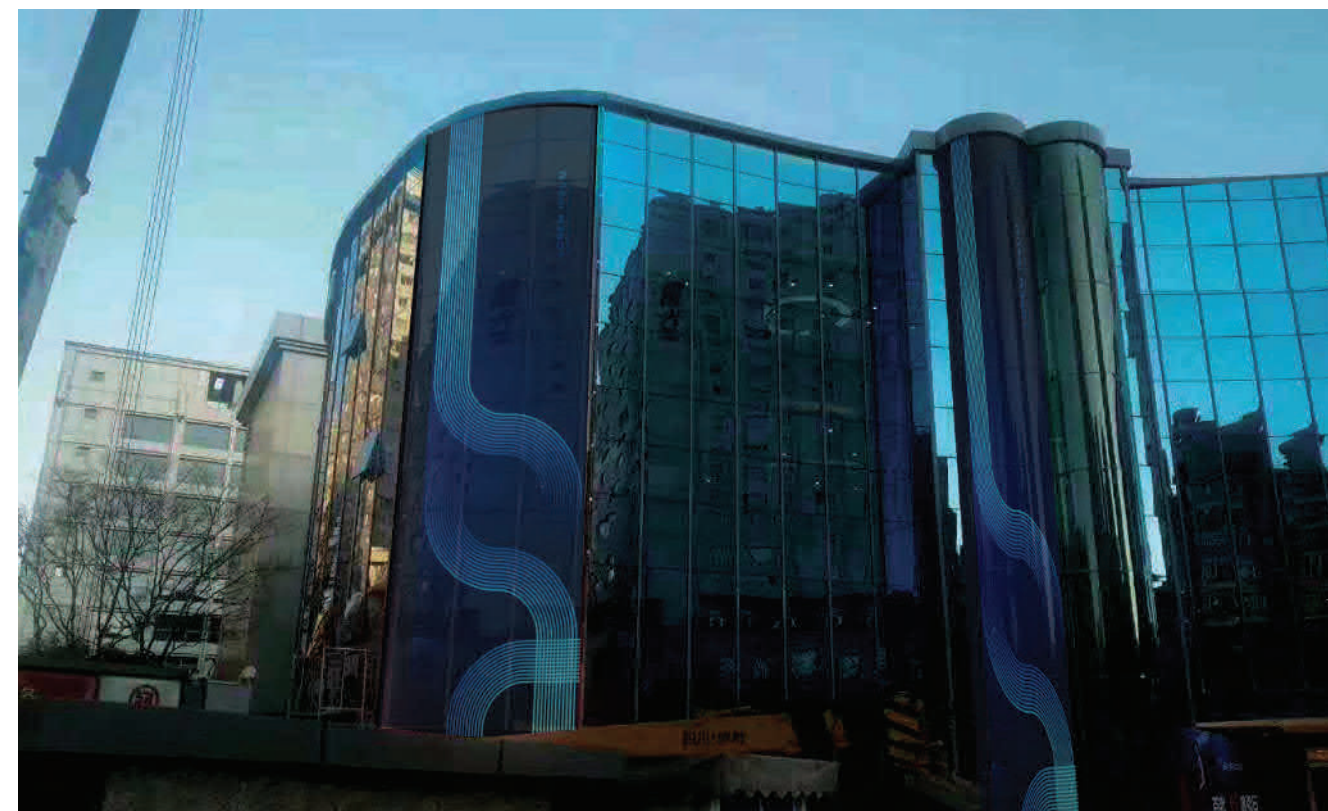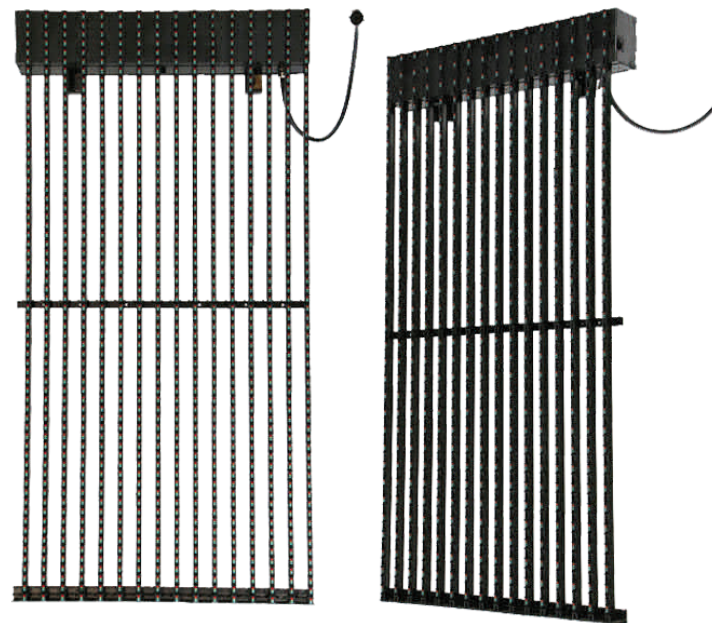
Transparent LEDs

Features:

- **High Transparency**
  The transparency of our T1 series can be up to 52% or even 82%. Outdoor transparent LED screen is available, which has IP65 level of waterproof and dustproof. The pixel pitch is P3.9-7.8.
- **High Brightness**
  The brightness of our transparent LED display can be up to 5,000nits or even higher.
- **Economical and Eco-friendly**
  The power consumption is 1/3 lower than normal LED screens.
- **Light and Slim**
  The weight is only 4.3kg/cabinet and the cabinet thickness is only 80mm.
- **Modular Design**
  The modular power box and LED module make repair easy and replacement of spare parts cost-effective.
- **Flexibility**
  Owning to high flexibility of cabinet and high density of pixel pitch, units can be multi-angle folded to satisfy creative HD design.

TRANSPARENCY
Transparent LED is a 60-70% transparent LED display that can be mounted in the front window of your room without losing natural light.
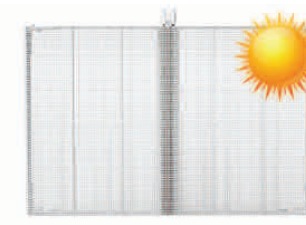
LIGHTWEIGHT DESIGN
In almost every commercial application, slim construction provides innovative and artistic benefits.

HIGH BRIGHTNESS MODELS
The show will cope with direct sunlight exposure at peak times of the day using high-brightness external power supplies.

AUTO BRIGHTNESS ADJUSTMENT
To maximize viewing and also help improve the lifetime of your LEDs, the brightness of your displays can be changed automatically during the night.

RELIABLE CONNECTIONS
Locking cables and connectors ensure safe, stable power and data interconnectivity between Transparent LED panels. Signal indicators provide simple panel status visibility.

SERVICEABILITY
Easy access to electronics and pixels from the rear of the panel makes for improved, easy serviceability.

QUICK-LOCK FEATURE
Our cam lock system makes it possible to quickly hang and attach between panels. A speedy and simple, 4-step method works with this specific locking system: align, lift, press, and lock.

ALIGNMENT
Alignment rails and set screws provide the installation with additional reliability.

SIZING OPTIONS
For Transparent LED, various sizing choices make it easier to meet your build requirements.

MODEL	P1.875	P2	P2.5	P3	P4
Pixel Pitch (mm)	1.875	2	2.5	3.0	4.0
Pixel Composition			RGB	RGB	
Size: LxW (mm)	240x120	256x128	320x160	240x120	256x128
Structural Features			Light & drive in one		
Lamp Type	SMD1515	SMD1515	SMD2121	SMD2121	SMD2121
Input Voltage			4.2-5.0V		
Panel Power	≤11.5W	≤11.5W	≤11.5W	≤15W	≤15W
Maximum Current	2.0A±0.3A	2.0A±0.3A	2.0A±0.3A	2.7A±0.3A	2.7A±0.3A
Pixel Density (dots/m2)	284262	250000	160000	111111	62500
Kit Material			Polycarbonate		
Drive Method	1/32 scan	1/32 scan	1/32 scan	1/20 scan	1/16 scan
Copper m2 Nut			6x8xM4		
Brightness	≥600	≥600	≥800	≥800	≥800
Average Power	≤46W	≤46W	≤46W	≤45W	≤60W
Maximum Power	≤92W	≤92W	≤92W	≤90W	≤120W

Outdoor Fixed LED Screen

SPECIFICATION

Cabinet size : 1000x1000mm

Module size   : 250x500mm

Pixel pitch(mm): P3.9 / P6.25 / P7.8 / P10.4

IP Ratings: Outdoor

SPECIFICATION

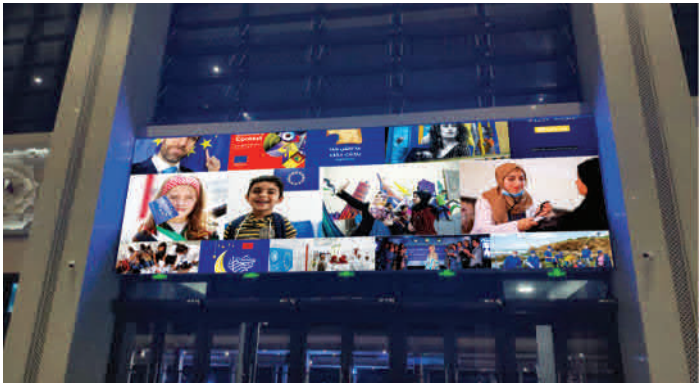| Cabinet size (mm)	Module size (mm)	Pixel pitch (mm)
960*960	320*160	P2.5 P3.076 P4 P5 P6.67 P8 P10
768*768	192*192	p3 p6
640*640	320*160	P2.5 P3.076 P4 P5 P6.67 P8 P10
1024*768	256*128	P4 P8

Features:

- **High-efficiency and energy-saving**
  LED lamps featuring high-grade chip packages offer low gray and high brightness, ensuring the longevity and display quality of the screen.

- **Adopt low**
  By utilizing a turnover voltage constant current driver IC, the power loss of the IC is improved, resulting in energy savings. Additionally, AC fans with high exhaust air volume are used, and components are arranged in a manner that enhances the uniformity of heat dissipation.

- **A variety of options**
  The availability of various module sizes and flexible spacing options allows for considerate upgrades to be made.

- **High contrast**
  With a standard refresh rate of 1920-3840Hz, the video picture is rendered delicately and smoothly. Additionally, the high contrast ratio of 4000:1 improves the differentiation between light and dark, enhances picture details, and restores true colors.

- **Wide range of applications**
  It is extensively utilized in various fields including commercial real estate, shopping malls, large squares, outdoor advertising screens, traffic screens, and more.

- **Rainproof and waterproof**
  The waterproof standard IP65 requires the module to be filled with glue, coated with glue on the front, and placed in a waterproof box. Additionally, the connection between the module and the box should be made using a waterproof rubber ring.

- **Wind resistance and earthquake resistance**
  To prevent the equipment from falling during use, strict requirements are placed on the wind and earthquake resistance of the load-bearing steel structure.

- **High temperature resistance**
  To reduce circuit compliance, high-density and high-precision circuit boards are used, and a macro ventilation design is implemented on the outside, avoiding the addition of fans.

- **Prevent open flames**
  The LED outdoor full-color display employs flame-retardant materials to prevent wire aging and the risk of fire in the event of a short circuit.

- **Installation method**
  This includes various installation options such as wall-mounted installation, embedded installation, hoisting, roof base installation, column installation, and more.

Customer case

Outdoor Fixed LED Screen

HD | HD | Water and dust proof | Quick install | Easy to maintain | Seamless stitching | Precise power supply | Low power

ISO 9001 | RoHS | UL | ETL | CE | FC | CCC | EMC | TÜV

Features

Simple Design Convenient Installation

Being light and thin, it reduces the load-bearing capacity required for the wall, resulting in cost savings for installation and transportation.
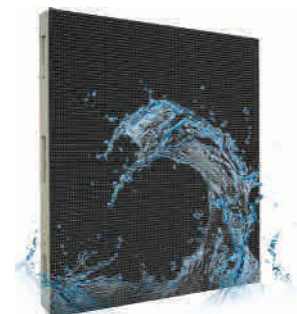
500mm
250mm
1000mm
1000mm
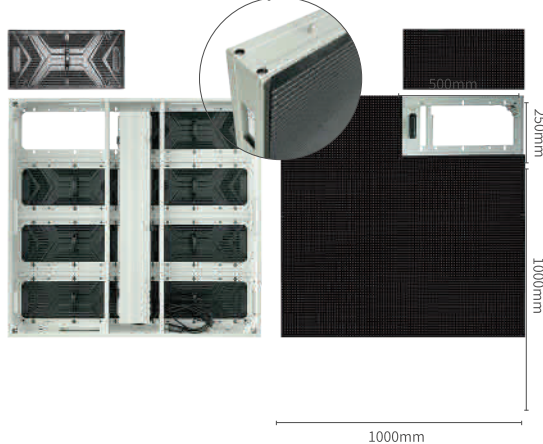
Cabinet size :1000*1000*95mm / Weight: 24kg

Stable and Reliable

The modules are designed with pin connections instead of cables, resulting in high energy efficiency and efficient heat dissipation.

High Heat Disspation Effciency

Water-proof Module

No Fan
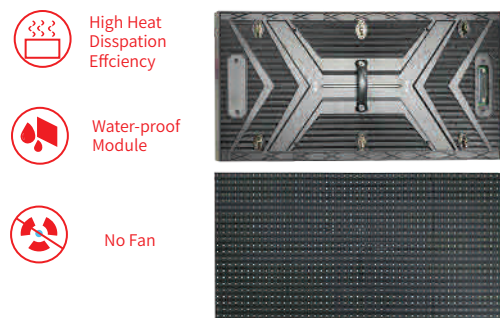
### Durable in any weather conditions and climates.

IP65

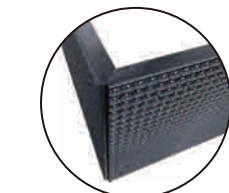Good Heat Dissipation

High Protection

Wall-mount Installation

The cabinets can be directly fixed to the wall without the need for a steel structure, resulting in cost savings for both the steel structure and installation.
Additionally, the display supports both front and rear access for maintenance purposes.
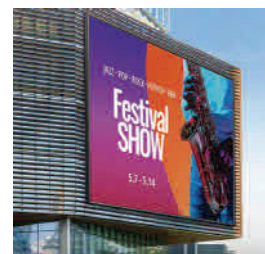
Bevel Design

For right angle splicing

Technical parameter：(T=25℃)(outdoor)

Basic Parameter

Pixel Pitch	3.91mm	6.25mm	7.81mm	10.41mm
Pixel Structure	3IN1 SMD	3IN1 SMD	3IN1 SMD	3IN1 SMD
Pixel Density	65410/m²	25600/m²	16394/m²	9227/m²
Module Resolution	128(W)X64(H) dots	80(W)X40(H) dots	64(W)X32(H) dots	48(W)X24(H) dots
Module Size (WXH)	500mm x 250mm	500mm x 250mm	500mm x 250mm	500mmX250mm

Optical Parameter

Single Point Brightness	support			
Chroma Correction	support			
White Balance Brightness	≥5000cd/m²			
Color Temperature	2000-12500K Adjustable			
Horizontal Viewing Angle	≥160°			
Vertical Viewing Angle	≥140°			
Optimal Viewing Distance	≥4 meters	≥6 meters	≥8 meters	≥10 meters
Brightness Uniformity	≥97%			
Contrast Ratio	≥5000:1			

Process Performance

Signal Processing Bits	16 bits*3
Gray Scale	12-14Bit
Control Distance	Cable: 100 m,Optical Fiber: 10km
Drive Mode	Constant current source driver
Frame Rate	≥60HZ
Refresh Rate	≥3840HZ
Way to Control	Synchronize
Brightness Adjustment Range	0-100Stepless Adjustmen

Usage Parameter

Continuous Operation Time	≥72Hours
Life Span	>100,000Hours
IP Level	IP65
Operating Temperature	-20 ℃ to 50 ℃
Operating Humidity	10 %- 80% RH No Condensation
Storage Temperature	-20 ℃ to 60 ℃

Electrical Parameter

Operating Voltage	D C 4.2-5V
Power Requirements	AC：220× (1±10%) V、50× (1±5%) Hz
Maximum Power Consumption	850W/m²
Average Power Consumption	350W/m²

Typical Applications