Absen

Trusted LED Supplier

CPS Series

Creativity with Simplicity

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CPS Series

CPS1.8 / CPS2 / CPS2.5 / CPS3

Ready-to-Use Panel
Integrated product design

Lightweight Design
12kg/m², 46.5mm

Superior Performance
High refresh rate

Flexible Splicing
Standard & small panels

L-shaped Corners
Create innovative designs

Wireless Connectivity
No wires in the cabinet

Quick Installation
Efficiency increased by 3 times

Easy Maintenance
Full front maintenance

Ready-to-Use LED Panel

Superior Quality / Worry-Free / Safe & Secure

VS

On-Site Assembly LED Panel

Inferior Quality / Troublesome / Hidden Dangers

Superior Quality

- Excellent Product Design
- Reliable Raw Materials
- Standard Manufacturing Process
- Quality Control Throughout the Whole Manufacturing Process
- Extraordinary Visual Effect

Worry-Free

- Ready-to-Use Panel
- Quick Installation
- One-Stop Standard Solution
- Global Service & Long-Term Warranty

Safe & Secure

- Safe and Trustworthy
- Global Certification: CCC, FCC, ETL, CE, RoHS
- Professional Installation & Maintenance Services

Inferior Quality

- Crude Product Design
- Poor Raw Material
- Non-Standard Manufacturing Process
- No Strict Quality Control
- Terrible Visual Effect

Troublesome

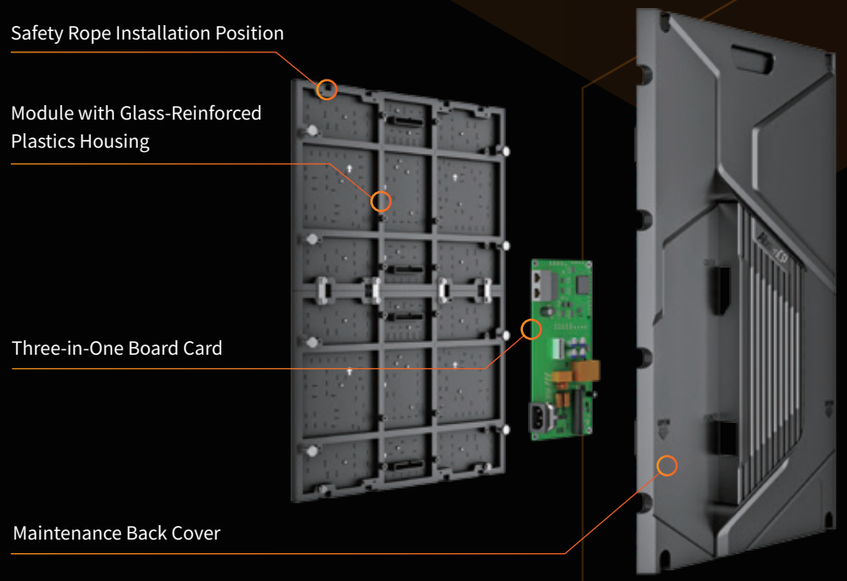
- On-Site Assembly
- Complicated Installation
- Non-Standard Solution
- Unreliable After-Sales Service

Hidden Dangers

- Great Security Risks
- No Certification
- Non-Standard Installation & Maintenance Services

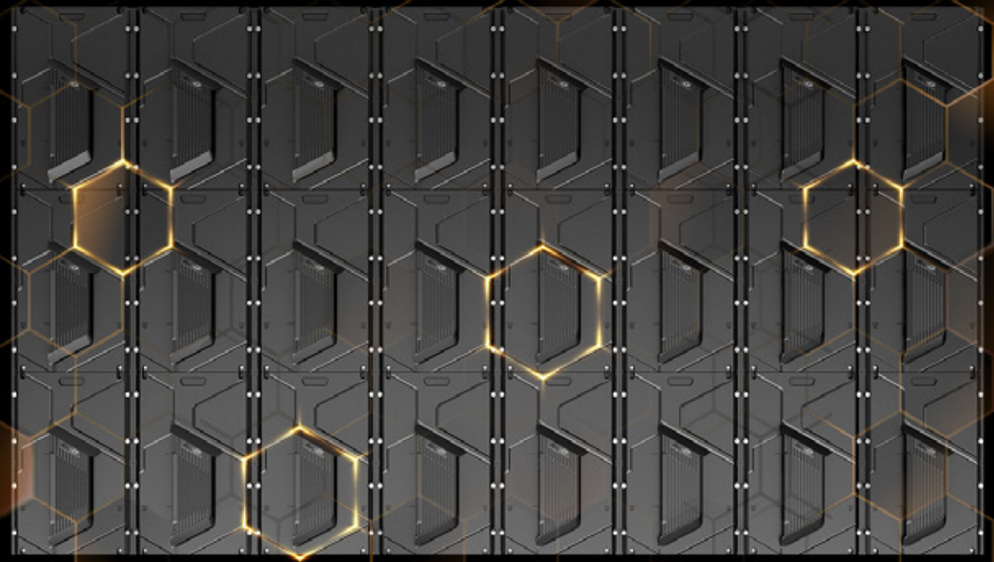
Ready-to-Use LED Panel with Superior Quality

CPS Series: High heat resistance, exceptional strength, lightweight glass-reinforced plastics housing for deformation-free performance. Integrated design guarantees stability, arrives pre-assembled for effortless flatness.



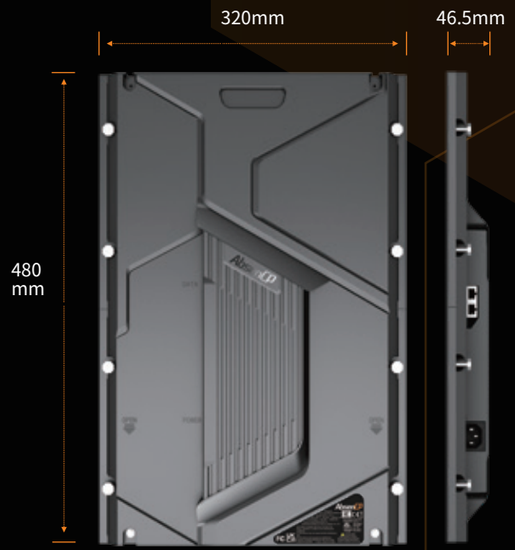
The Fusion of Minimalism & Hive-Engineered Precision

Inspired by hive structure and modern mecha-style, our product unites bold lines with a dynamic attitude. The hive symbolizes exceptional structural engineering and optimal space utilization, elevating product strength and durability. Its distinctive yet minimalist design is a testament to Absen's unceasing dedication to innovation and excellence in the LED industry.



Ultra-Thin & Lightweight Design

Ultra-thin, lightweight design for effortless handling and efficient space utilization, elevating user experience.

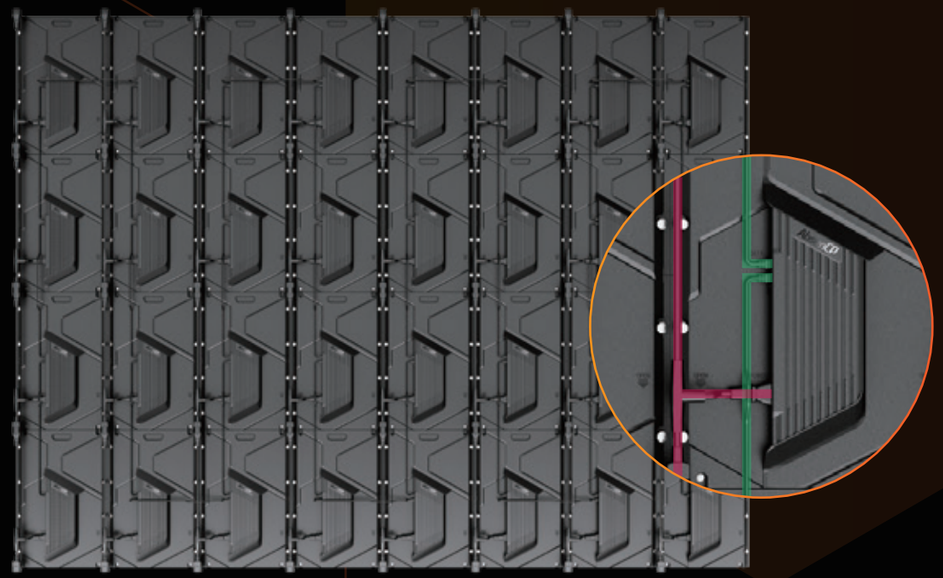


46.5mm
The thinnest part is only 24mm

⩽12kg/m²
Ultra-lightweight

Neat Cabling, Simple Operations

Utilize ethernet for signals, T-connectors for power—straightforward, easy, convenient. discover the simplicity of our LED display products.



Superior Colors, Stable Display

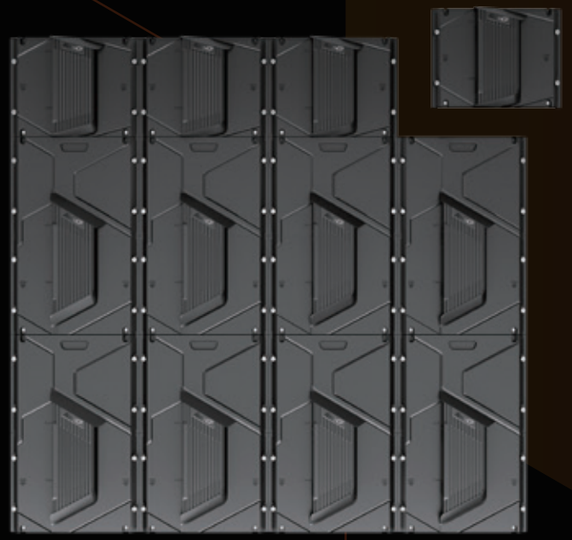
Experience limitless horizons with our genuine 3840 high refresh rate LED screens.
Say goodbye to scan line hassles, revel in sharp, seamless visuals.

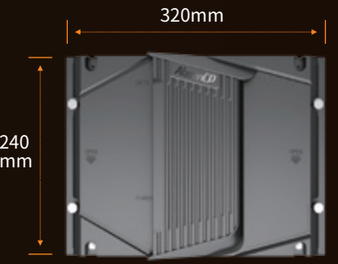
3840Hz
High refresh rate
(Pictures taken without scan lines)

500nits
Clear Visibility, Brilliant Brightness

Small Panel for Flexible Splicing

Explore boundless possibilities for customization with our versatile LED displays.
Achieve the perfect view by adjusting and blending to fit your needs.





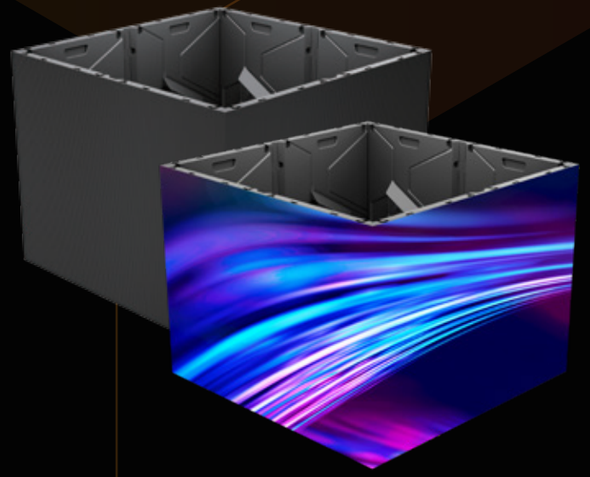
- Small panel

- Standard panels and small panels can be connected together vertically

L-Shaped Corners for Versatile Styling

Unleash creativity with our unique L-shaped corner design. It enables versatile styling, including column wrapping, catering to a myriad of display needs.

- L-shaped corner display

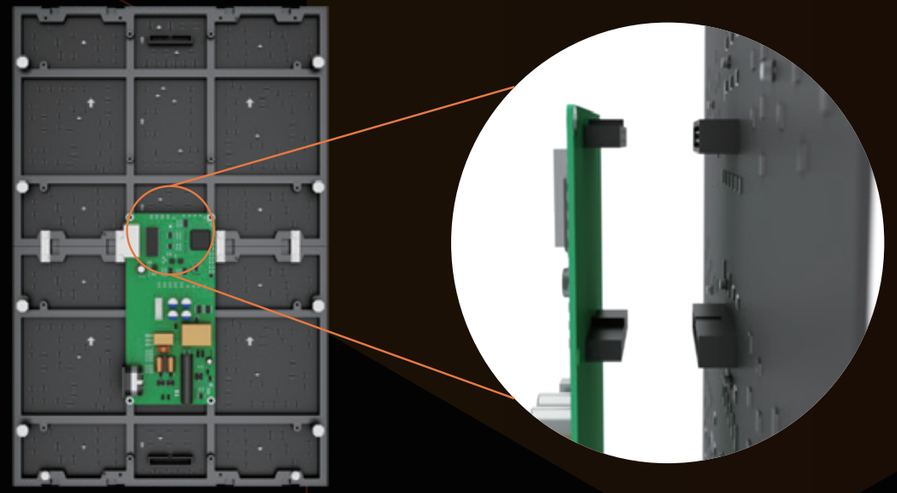


- Wrapped column diagram

*The corner panel needs to be customized.

Wireless Connectivity, Simple & Stable

Our meticulously engineered hardware architecture eliminates cabinet cable clutter, aligning perfectly with our minimalist and efficient design philosophy to deliver a user experience that's second to none.



- Wireless design inside the pane

Solder-Free & Universal Steel Structure

Achieve lightning-fast installations using our magnetic setup approach. Craft large displays with unparalleled ease and efficiency.

Installation Efficiency Increased by 3 times
Magnetic installation for the whole display, effectively reducing construction costs

Safety Rope (Optional)
Can be used for stacking, wall-mounting, and ceiling installations

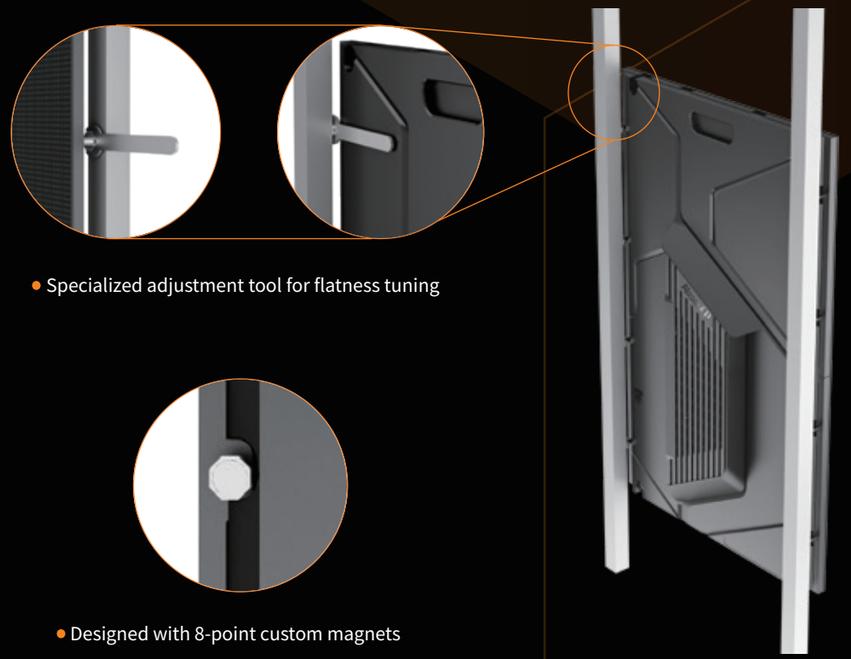
Standard Magnetic Wall-Mount

Unlock valuable space and enhance layout flexibility with our standard wall-mount solutions, boasting a sleek profile of less than 90mm.

- Total thickness:
  85mm
- Thickness of frame kit:
  60mm

Innovative Flatness Adjustment

Experience unparalleled visual clarity through our precise flatness adjustment, unlocking infinite delicate picture quality.



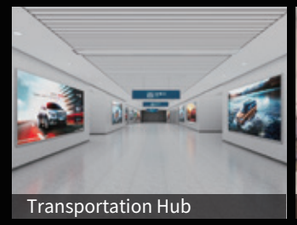
- Specialized adjustment tool for flatness tuning

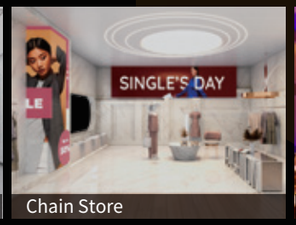
- Designed with 8-point custom magnets

Full Front Maintenance

By using vacuum maintenance tools, it simplifies front-end maintenance without the need for extra channels, ensuring easy assembly and a user-friendly operation.

Primary Use Cases of Commercial Displays

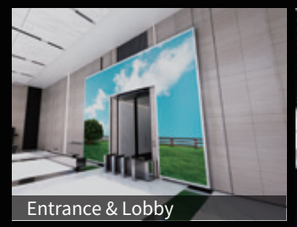

Transportation Hub



Chain Store

Hotel

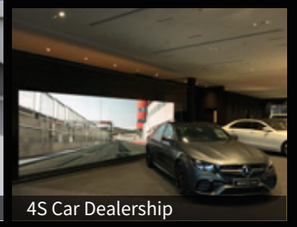
Conference Hall


Entrance & Lobby

Exhibition Hall

Meeting Room

House of Worship


4S Car Dealership

And More Use Cases……

Safe & Stable

Standard manufacturing process and a number of quality tests ensure safe operation of CPS series.

Reliable Raw Materials

High quality LED lamp,
power box,
and other accessories

Standard Manufacturing Process

Adheres to a standard manufacturing process to ensure product quality

Quality Control Throughout the Whole Manufacturing Process

18 Monitoring Links
29 Operation Processes
33 Recording Links
2285 Inspections And Tests

Certifications

China Compulsory Certification
Energy Conservation Certification
Pass performance/ blue light hazard/ photobiology test, etc.

Long Service Life

Pursue precision and high quality
Energy efficiency, long service life

Save Operating Cost

Stable product quality
Low operational risks
Low operating and maintenance costs

Professional Service, Exceptional Experience

Absen has established a worldwide network, enabling the delivery of timely and expert local services.

Absen Service Ability

Comprehensive Support

Experience a 1-year warranty, an optional extended 1-year warranty, lifetime maintenance, and access to 10+ professional service solutions designed to help you solve any challenges

Global Coverage

Benefit from a network of 500+ Absen Certified Partners and 3,000+ Engineers, with a global reach covering most markets. Our service network is continuously expanding

Multiple service channels

Providing service via multiple channels such as Hot line, WeChat, WhatsApp, E-mail and official website to quickly take care of service requirements

24/7 Response

We are available 24/7/365 with a quick response time in as little as 10 seconds

One-stop service

Experience exclusive and expert support throughout the entire sales process, from pre-sales to post-sales

Absen Service Philosophy

Initiative	Offering proactive care, follow-up visits, and regular inspection services for our valued customers.
Efficiency	All service channels guarantee a 10-second response time, utilizing intelligent algorithms to connect you with the most suitable local service resources, ensuring a swift and efficient service experience.
Standardization	A robust service engineer training system, including ACE professional training and certification, along with ACP professional certification. Additionally, we create and maintain comprehensive product files for our customers, meticulously recording the entire service process
Thoughtfulness	Extended warranty for peace of mind and uncompromising quality assurance.

Service channels

Hotline: +86 400-700-3278
WeChat: 13923413428
WhatsApp: 008613923413428

Email: service@absen.com
Website: www.absen.com

Service Time (GMT+8)

24/7 Online Customer Service

Parameters

Parameters		CPS1.8	CPS2	CPS2.5	CPS3
Physical Parameter	LED type	Black SMD1515	Black SMD1515	Black SMD1515	Black SMD2020
	Pixel pitch (mm)	1.86	2	2.5	3
	Panel dimensions (W*H, mm)	320×480×46.5	320×480×46.5	320×480×46.5	320×480×46.5
	Panel resolution	172x256	160x240	128x192	104x156
	Panel weight (kg)	1.85	1.8	1.75	1.75
	Module size (W*H, mm)	320×240			
Optoelectronic Parameter	Brightness (nit)	500			
	Refresh rate (Hz)	3840			
	Grayscale (bit)	12-13			
	Viewing angle (H/V, °)	160/140			
	Power consumption (max./avg., W/m²)	320/107	325/108	330/110	270/90
Application Parameter	Storage temperature (℃)	-40~+60			
	Operating temperature (℃)	-10~+40			
	Storage humidity (RH)	10%~85%			
	Operating humidity (RH)	10%~80%			
	IP rating	IP40/IP21			
	Certificate	CCC, FCC, ETL, CE, RoHS			

*Power consumption tolerance: ±15%, according to the actual situat

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