# Absen
**Trusted LED Supplier**



# CPN Series
## Shining Star, Constant Quality

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# CPN Series

CPN2 | CPN2.5 | CPN3

**Ready-to-use Panel**
Branded PSU and receiving card

**Supreme Image Quality**
High refresh rate, high grayscale

**Flexible Splicing**
Mixed splicing of standard and small panels

**Dual Backup Version**
Power supply and signal are stable and continuous

**Diversified Installation**
Stacking, hanging and wall-mounting

**Full Front Maintenance**
Module, PSU and receiving card

# Ready-to-Use LED

Superior Quality/ Worry-Free/ Safe & Secure

**VS**

## On-Site Assembly LED

Inferior Quality/ Troublesome/ Hidden Dangers

### Superior Quality

- Excellent product design
- Reliable raw material
- 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
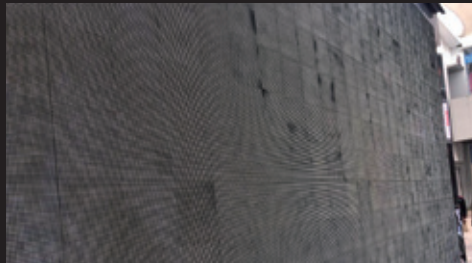- Global Service and Long Term Warranty



### Safe & Secure

- Safe and Trustworthy
- Certification
- 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 Panel with Superior Quality

Top brand power supply & receiver card in a dust-proof, rodent-proof aluminum cabinet;
Original factory parts ensuring superior quality; Providing comprehensive visual solutions.

# Supreme Image Quality, Vivid Colors

Utilizes PWM LED driver chip and color management for vibrant, high-quality images;
High 3840 refresh rate for scan-line free photos and videos; Low-brightness high-gray tech for silky fine image texture.
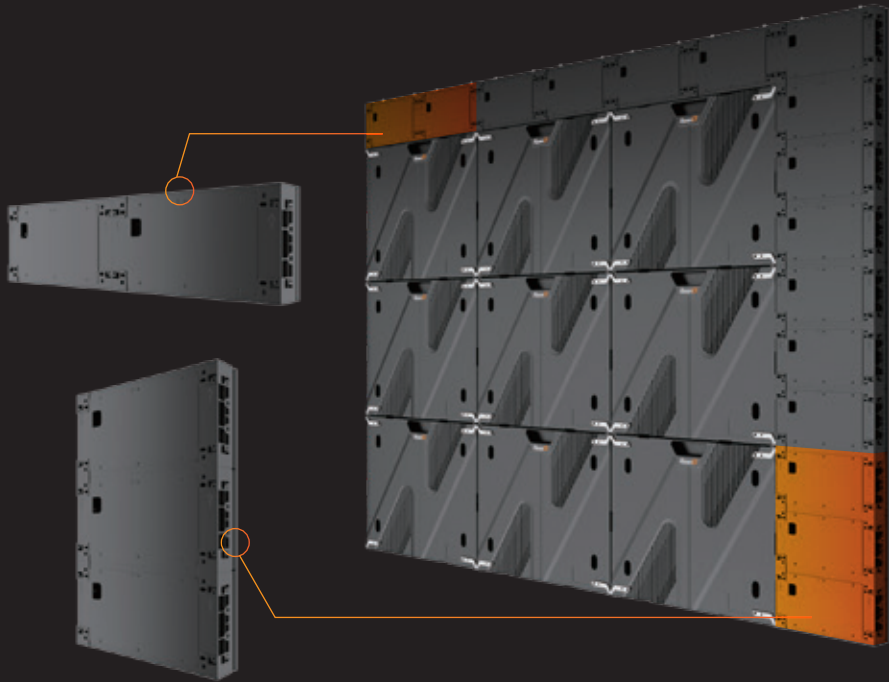
640mm

60mm

480mm

AbsenCD

**Branded PSU**

**Branded receiving card**

**Precision die-cast aluminum cabinet**

**3840 high refresh rate**
(Pictures taken without scanning lines)

**High grayscale**
(Clear details)

# Variable Sizes, Infinite Splicing

320*160mm mini & 640*480mm standard cabinets, designed in high-pressure resistant alloy, for personalized combination needs.
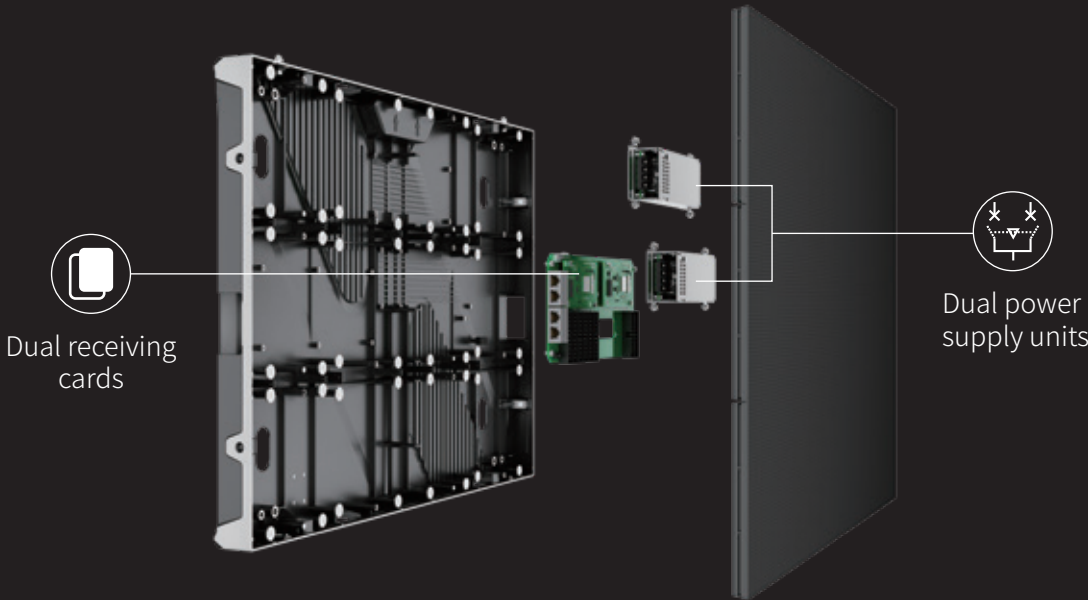


● Diversified splicing of small panels      ● Splicing of standard panels and small panels

# Dual Backup Version, Stable and Long-lasting

Dual receiver cards secure stable signal input, ensuring continuous online presence. Twin power supplies prevent signal disruption due to power issues, easily handling emergencies with seamless switching, safeguarding continuity and integrity of information.*



Dual receiving cards

Dual power supply units

*Dual backup version are optional

# Ultra-thin Trim Pieces, Stylish and Elegant

Ultra-thin trim pieces design solutions for enhance appearance and esthetic feeling.*

Metal spraying process

# Standard Stacking Solution, Easy Installation

Standard stacking solution with square steel structures, simplifying screen assembly for quick installation.

Installation with steel structure

*Ultra-thin trim pieces solutions are optional

# Wall-mounted Solution, Space-Saving

Wall-mounted solution, maximizes space utilization,
maintenance-free extra channels for efficient and ease installation.



● Wall mount



● Wall-mounted installation

# Standard Suspension Setup, Safe and Reliable

Standard suspension solution, flexible for various scenarios,
widely meeting user demands with notable adaptability advantages.



● Recommended hanging LED display height:
  6m or less, to ensure safety and visual effect



● 1x/2x hanging bars are available

# Full Front Maintenance, Convenient and Simple

Supports full front maintenance for modules, PSU, and receiver card, simple and easy to operate.



# For All Commercial Display Applications



Transportation Hub



Chain Store



Entrance & Lobby



4S Car Shop



Exhibition Hall



Conference Hall

And More Application Scenarios......

# Safe and Stable

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

### Reliable raw material

High quality LED lamp ,
power box and other accessories

### Standard manufacturing process

Adhere to 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, best experience

Absen has built up a global network , able to provide prompt and professional local services.

**Absen service ability**

### Comprehensive support

Enjoy 2-year warranty, support up to
3-year extended warranty, lifetime
maintenance, and enjoy 10+ items of
professional service solutions to help you
solve problems

### Global coverage

500+ Absen certified  partners, 3000+
Absen certified engineers, covering most
of the global market, the global service
network is continuing to expand
vigorously

### 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

24/7/365 available, quick response in
10 seconds

### One-stop service

Enjoy exclusive and professional service in the whole process of pre-sales,
sales and after-sales

**Initiative**　Proactive care and return visits, regular touring inspection services for customers

**Efficiency**　Absen customer service center responds within 10 seconds, intelligently match the best local service resources, and enjoy a fast service experience

**Standardization**　Comprehensive service engineer training system, ACE professional training and certification, ACP professional certification; establishing customer's product files and record the entire service process

**Thoughtfulness**　Longer warranty, worry-free quality

## Service channels

Hot line: +86 400-700-3278
WeChat: 13923413428
WhatsApp: 008613923413428
Email: service@absen.com
Official website: www.absen.com

## Service time （GMT+8）

7X24 hours online service



# Parameters

| Parameters | | CPN2 | CPN2.5 | CPN3 |
|---|---|---|---|---|
| Physical Parameter | LED type | Black SMD1515 | Black SMD1515 | Black SMD2020 |
| | Pixel pitch(mm) | 2 | 2.5 | 3 |
| | Panel dimensions (W*H, mm) | 640×480×60 | 640×480×60 | 640×480×60 |
| | Panel resolution | 320x240 | 256x192 | 208x156 |
| | Panel weight(kg) | 6.7 | 6.7 | 6.7 |
| | Panel material | Die casting aluminum | | |
| | Module size (W*H, mm) | 320×160 | | |
| Optoelectronic Parameter | Brightness (nit) | 600 | | |
| | Refresh rate(Hz) | 3840 | | |
| | Grayscale (bit) | 14 | | |
| | Viewing angle (H/V,°) | 160/160 | 160/160 | 150/150 |
| | AC operating voltage(V) | 100~240 | | |
| | Power consumption (max./avg., W/m²) | 325/108 | 331/110 | 266/87 |
| 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, CE, ETL, FCC | | |