

absen
LED



XV SERIES

X2V/X3V/X5V

OUTDOOR & INDOOR
YOUR FIRST CHOICE

Feature

- Adding 2.6 indoor module
- CrystalView 18bits

Further Improved Image Performance

02

05 Service & Support

Compatibility

- Platform Design
- Hanging Bar & Ground Stacking System

03

04

LED Protection & Safety

- Detail Protection
- High Protective Grades & High Weather Resistance

01

Optimized Design

- Identical Modules
- Easy to Service
- Curve Latch



OPTIMIZED DESIGN

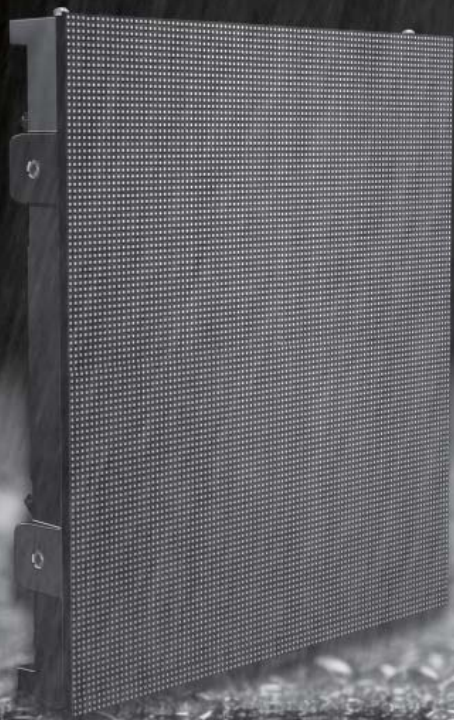


1 Identical Modules

· Putting connectors on each side of the module.



· Modifications on the frame to ensure water proof.



Easy to Service

- Replace in seconds with a quick release system.
- Serviceable from the back without tools.



· Front and Rear Maintenance Available

Front Module Maintenance



Connect module tool (Just for X2V)

- Horizontal pull (Magnetic design)
- Take place the module directly

Rear Module Maintenance



· Push the module from rear side
(Magnetic design)

· Take the module from rear

3 Curve Latch

- Integrated curve locking system for $+5^\circ$, 0° , -5° ;
- From flat to curves is simple and easy—no tools.
- Using curving bracket for nonstandard angles;





Think Helsinki, Think! II - The sequel

THE SHOW STARTS AT 16:30

**FURTHER IMPROVED
IMAGE PERFORMANCE**

📍 CrystalView 18Bit+

The CrystalView 18Bit+ provides the highest standard of image quality by offering a package of world class solutions, including 18bit+ solution and 4K processing, perfect mechanical alignment between panels.

• 18bit+ Solution, 4 Times Grey Scale

Combined with grey scale coding technology that is human eye friendly, the 18bit+ solution has greatly improved the industry-common problem of losing grey scale at low brightness, to provide a much more vivid image. The details of image is optimized, thanks to the grey level increase of up to 4 times.



Before



After

18Bit+ Solution

• Outstanding Image Reproduction

With top tier driver chip specially designed for rental screens, the LEDs receive consistent and stable current to accurately control the image. The innovative SRAM structure ensures high fresh rate, high grey scale, color uniformity. Furthermore, it has solved the widely complained issues of ghosting effects.



Ghosting Effects



No Ghosting Effects,
Extraordinary Image Quality

• Ultra High Refresh Rate

Refresh rate up to 3840Hz, delivers extraordinary image quality even at 1/3000 high-speed camera, with no flickering, perfectly meet the high demand of switching pictures smoothly at broadcasting.



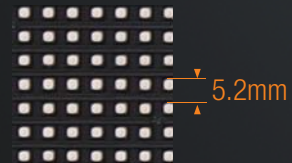
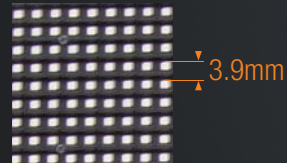
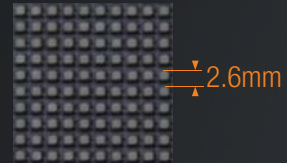
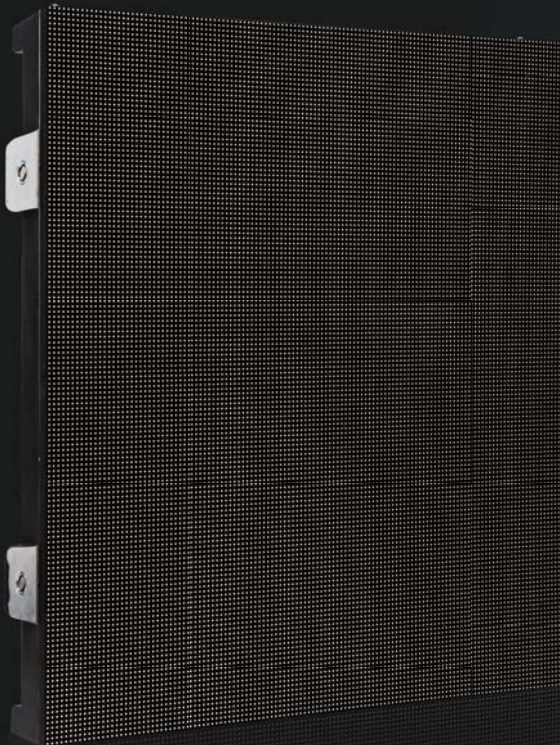
Low Refresh Rate



High Refresh Rate

➤ Adding 2.6 Indoor Module

- A small step in reducing pixel pitch, a big leap in leading technology.
- 3 different modules can be used on one frame.





COMPATIBILITY

🔗 Platform Design

- XV series is based on X series platform.
- One platform for all application, indoor and outdoor.
- Save customer money on product, accessories and training.



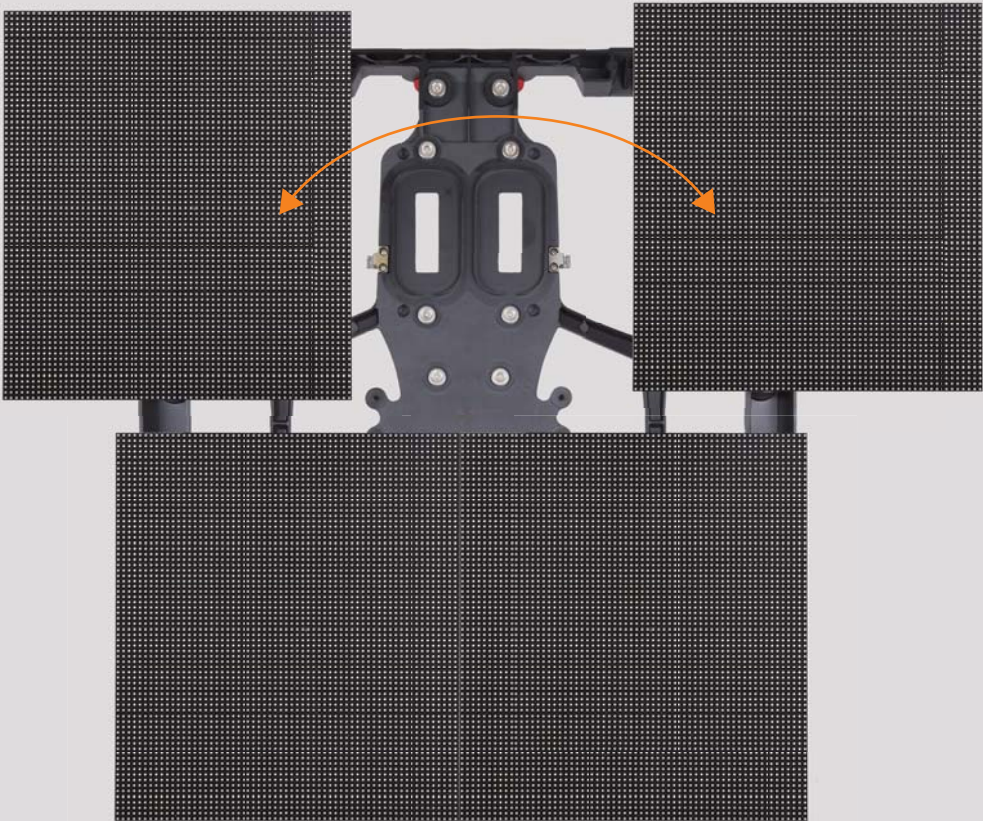
Old X5 Product

upgrade



New XV Series

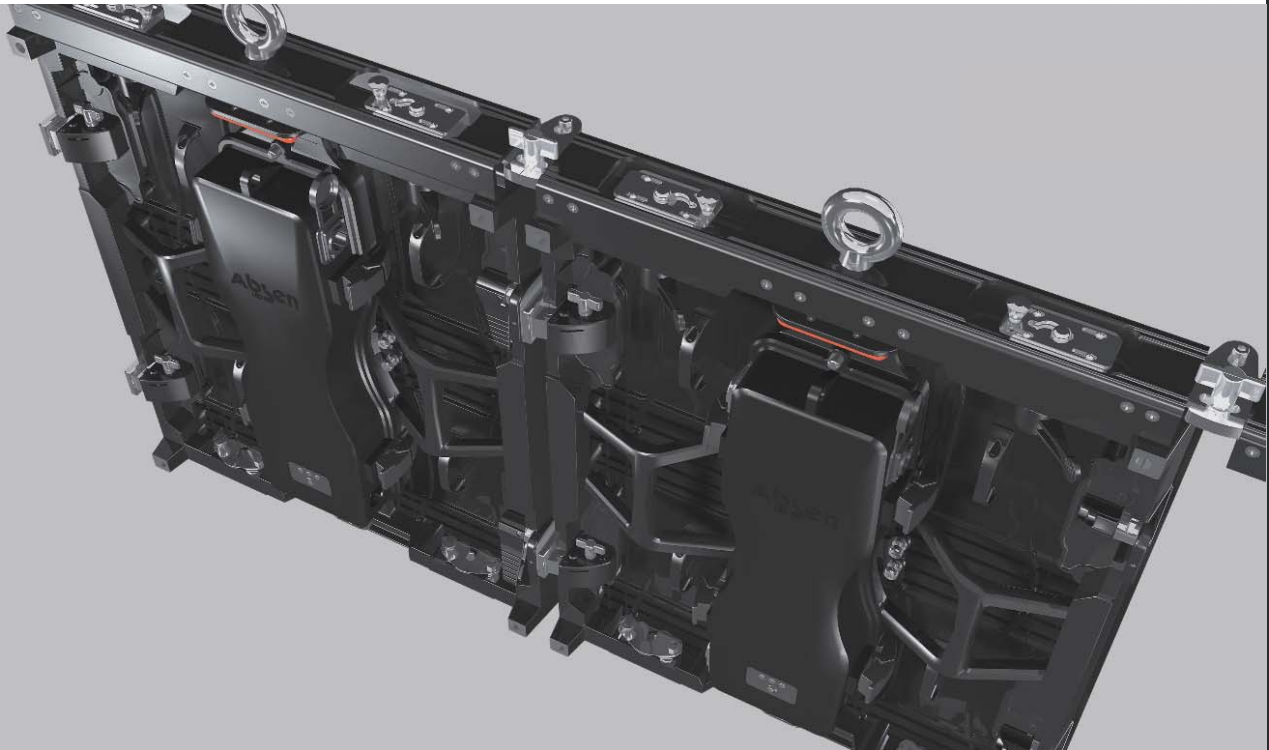
· Identical modules for all 4 quadrants.

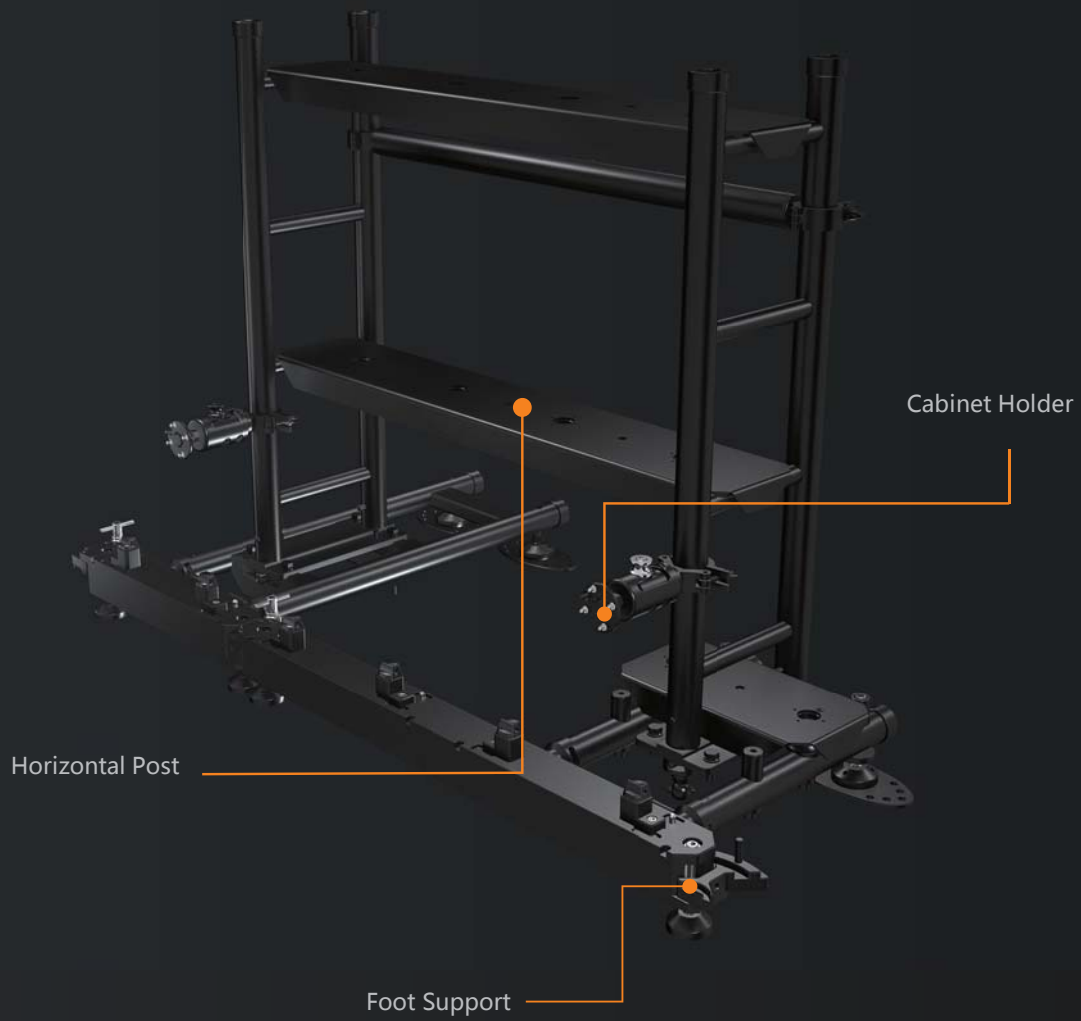


2 Hanging Bar & Ground Stacking System



Compatible with original X series





Horizontal Post

Cabinet Holder

Foot Support



LED PROTECTION & SAFETY



1 Detail Protection

Edge protection

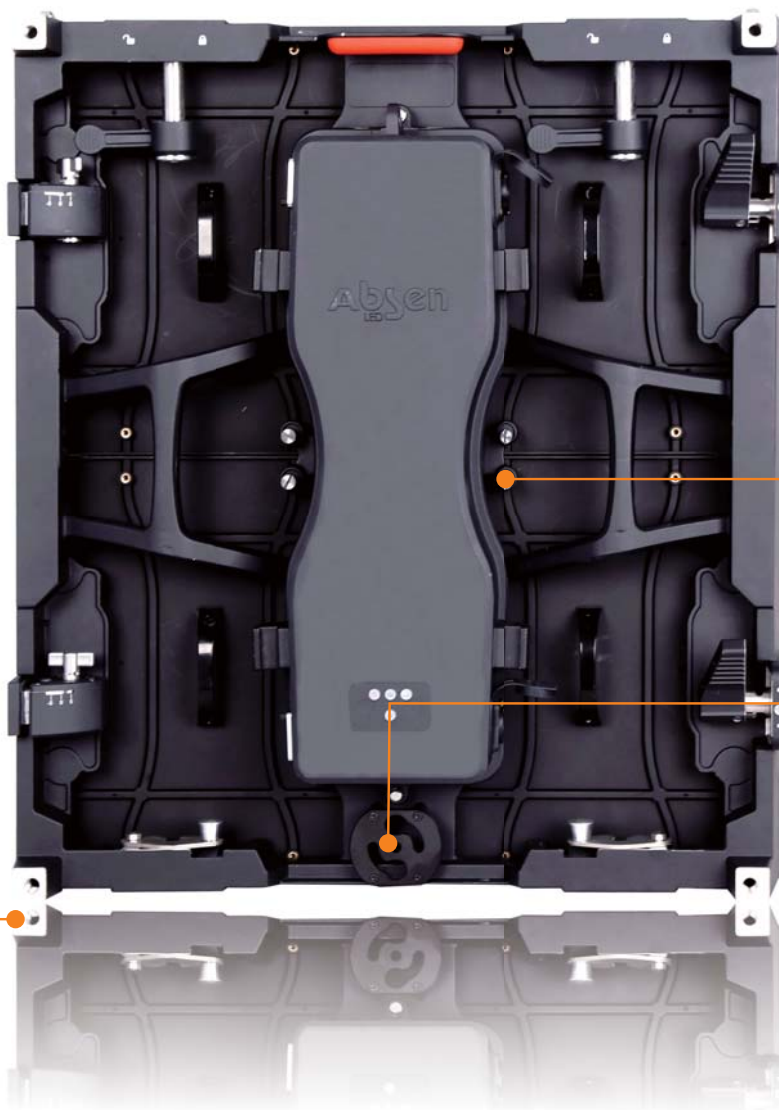
Longer standing pole at the front edge of cabinet prevent the LED face touch ground with its degree angle.

Optional thumb screw

to secure the modules

Attachment point

for new general ground stacking system



② High Protective Grades & High Weather Resistance

Module Aging Test



Time: 12 hours, 2 hours all white/
0.5 hour black circle

Display Aging Test



Time: 12 hours, full white 0.5 hours/
full black 0.5 hour(11 circles)+1 hour video

Thermal Shock Test



High and low temperature
cycle -40°C ~ 100°C

Salt Spray Test



The brine's concentration: $5 \pm 1\%$, PH: 6.5-7.2,
Temperature: $35 \pm 2^\circ\text{C}$, brine spraying and testing for
48 H, then washing the demo with waters for 5 min

Waterproofing Test



6.3mm, Water Velocity: 12.5L/min,
Distance: 2.5~3m, Time: 10min

Constant Temperature & Humidity Test



Temperature Rise 50°C

A large outdoor stage structure with multiple red LED screens and a crowd of people in the foreground. The stage is built with a complex metal truss system. Several large LED screens are mounted on the structure, displaying vibrant red and pink abstract patterns. In the foreground, a crowd of people is visible, with one person in the center wearing a hat and raising their hand. The scene is set against a clear sky, suggesting an outdoor event at dusk or dawn.

SERVICE & SUPPORT

8+ Overseas Subsidiaries

USA Germany UAE Russia Mexico Brazil Japan HK



Barcode

Barcodes to trace product details



Solutions

Complete solutions enhances operation efficiency



Online Service

Helpline 400, 24 hours online service



Zero Down Payment

Set "Zero Down Payment" as industrial standard



ACE

ACE training - global accessibility



Network System

Whole network system makes life easier



Platform

Build platform for more active interaction



Customized

Customized products for clients

ACE, short for ABSEN CERTIFIED ENGINEER, is a program launched by Absen in the purpose of training our clients, freelancers, whoever might need to work with our screens, to better know the use and maintenance of our products. Since 2013, Absen has successfully trained and certified hundreds of technicians worldwide to better understand LED technology and Absen products. Unlike other leading companies, Absen is offering such services completely free of charge. It has greatly benefited both our clients and Absen ourselves.



| PARAMETERS | X2V | X3V | X5V |
|------------------------------|-----------------------|-----------------------|-----------------------|
| Pixel Pitch: | 2.6mm | 3.9mm | 5.2mm |
| Pixel Configuration: | SMD 2020 | SMD 1921 | SMD 2727 |
| Brightness: | 1200 nit | 4500 nit | 5000 nit |
| Color Contrast: | 6500:1 | 6500:1 | 7500:1 |
| Refresh Rate: | ≥3840 Hz | ≥1920 Hz | ≥3840Hz |
| Gray Scale: | 16384 level | 32768 level | 32768 level |
| Pixel Matrix per Cabinet : | 192×216 Pixel | 128×144Pixel | 96×108 Pixel |
| Power Consumption (max/avg): | 510/170 W/sq.m | 615/205 W/sq.m | 555/185 W/sq.m |
| Viewing Angle (H/V): | 140°/120° | 140°/110° | 140°/100° |
| IP Rate: | IP40/IP21 | IP65/IP54 | IP65/IP54 |
| Cabinet Size (W × H × D): | 500 x 562.5 x 96 mm | 500 x 562.5 x 96 mm | 500 x 562.5 x 96 mm |
| Cabinet Weight: | 8.5 kg | 9 kg | 9 kg |
| Cabinet material: | Die casting Magnesium | Die casting Magnesium | Die casting Magnesium |
| Input Voltage (AC): | 100 ~ 240 V | 100 ~ 240 V | 100 ~ 240 V |
| Operating Temperature: | -10 ~ +40 °C | -20 ~ +50 °C | -20 ~ +50 °C |

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