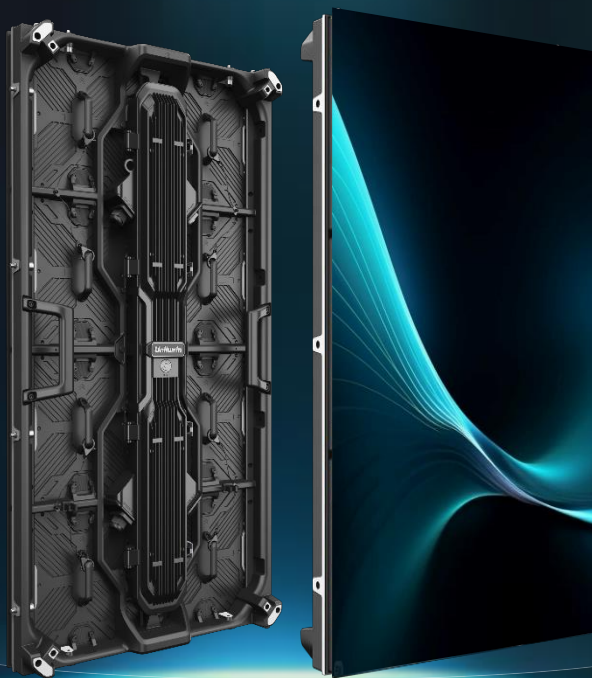


# UslimIII 0

Vivid Details, Unlimited Canvas

## UslimIII O Series

MIP: P1.5 | P1.9 | P2.5 | SMD : P2.6 | P2.9 | P3.9



### High Definition Display

7680Hz, Max 5000nit(MIP)



### Energy-saving technology

5000nits@Avg 200w/sqm common cathode



### Various size

500\*1000/500\*750/500\*500mm



### High protection level

IP69K waterproof grade, die cast aluminum cabinet



### Module no cable design

Safe 、 stable and easy to maintenance



### Convenient maintenance

Front and rear,10s quick-release single module

# Flexible installation

Unilumin

Various sizes available

## Two bottom shells

MIP module double-sided potting seal +sunshade;  
SMD fully enclosed bottom shell



250\*250mm(MIP1.9)



250\*250mm(SMD3.9)



500\*1000mm



500\*750mm



500\*500mm

## Three standard sizes

Make shapes freely

The UslimIII O series offers various cabinet sizes enabling flexible splicing to meet diverse outdoor scenarios assembly needs.

# High Definition Display



MIP: 5000nits



SMD: 5000-7000nits



## 5000~7000nits brightness

20% increase in brightness ensures clear visibility even under direct sunlight in outdoor environments.

## 160°+ wide viewing angle

Pixel-level mixing guarantees uniformity, with 160°+ wide viewing angles and consistent color reproduction without dead spots.

## 7680Hz refresh rate

Smooth and dynamic display performance. Perfect for mobile device capture, enhancing the effectiveness of online advertising campaigns.

\*SMD max 7000nits(Optional)

# Energy Efficiency Leader, Low Carbon and Green

**74,460 kWh**

Annual electricity saving

**89,352 RMB**

Annual electricity cost saving

**Multicast 107 days**

Annual free playback duration

**43.18 tons**

Annual carbon emission reduction



UslimIII O series adopts **low-turnover common cathode drive + common cathode package LEDs + double voltage power supply** energy saving technology, **reduces power consumption by 15%+** at the same brightness.

UslimIII O has achieved a new energy-saving breakthrough by adopting **common cathode energy-saving technology**, which can **reduce equipment heating and extend its service life**. Short term energy-saving benefits and long-term use value are the preferred solutions for economic and environmental considerations.



\*Test standard: 3.9 pitch, 100m<sup>2</sup>, 12H/day, continuous operation for 365 days.

\*Compared with conventional 4.5V power supplies, the power consumption is reduced by 15%+.

# IP69K Protection, Supports Outdoor Bare Mounting

**Unilumin**

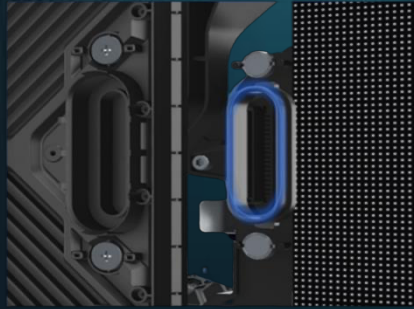
## Die-casting Frame & PSU Box

Enhanced structural stability and impact resistance eliminate stress points and leakage risks common in traditional spliced designs.



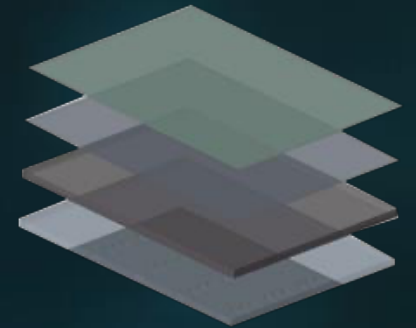
## Modular Sealing Gasket

Effectively isolates water and moisture, meeting the standard with batch airtightness testing.



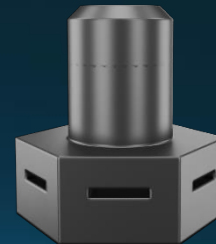
## Surface Coating for MIP version

Nano anti-corrosion coating ensures enhanced durability in harsh environments (outdoor/high-humidity).



## Cabinet Valve

Balancing internal pressure, the vent valve prevents cabinet deformation, seal damage, and condensation caused by pressure fluctuations.



# Advantages of Flip Chip LED Stability

Unilumin



## Small size , deep black levels

Deep black levels are vital for revealing fine details. MIP LEDs can achieve smaller size, with a larger black area and clearer details.

## Stability of fully flip chip MIP

Flip-chip LEDs are directly soldered, offering stronger connections, better heat dissipation, and enhanced stability.

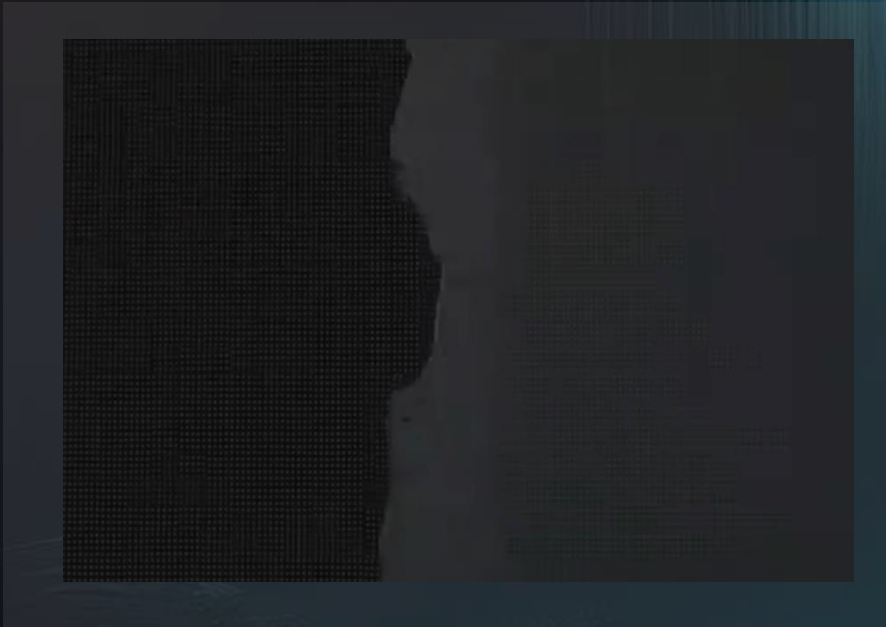
## Luminous Efficiency Improvement

MIP flip-chip LEDs emit light from five sides without blockage, boosting efficiency by over 50%.

# MIP Outdoor Weather Resistance

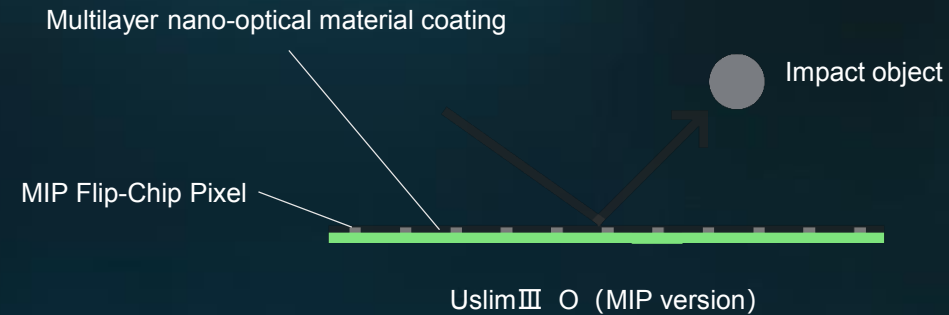
Unilumin

## Weather Resistance



A uniform coating of new nano-material is bonded through a proprietary process, forming a dense micro-nano composite bonding layer.

## Coating protections



Flame-retardant



Anti-UV



Anti-corrode



Anti-moisture



Anti-static

Comparing with other SMD products (without surface coating), Uslim III O MIP provides surface coating treatments against fire, UV, dust, water and static electricity.

\*MIP Version

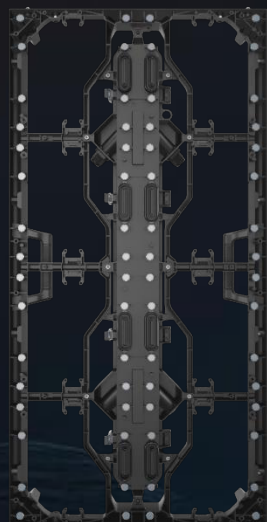
# Unlimited various applications

Unilumin

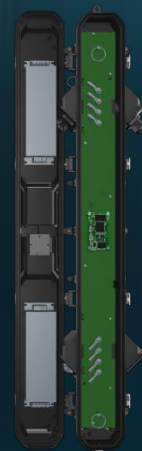
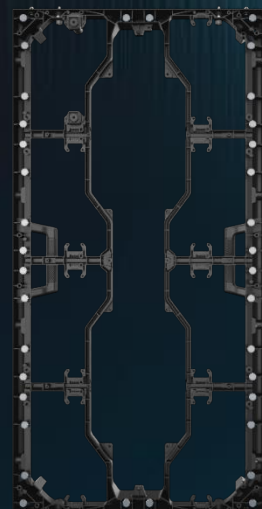
## Front Maintenance



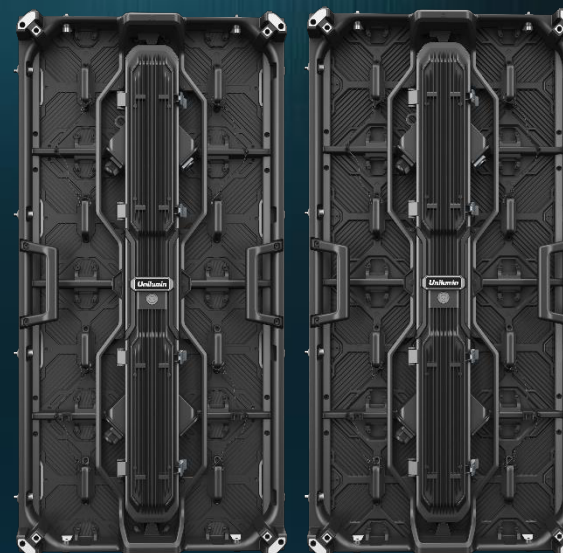
Front maintenance tool  
Remove modules



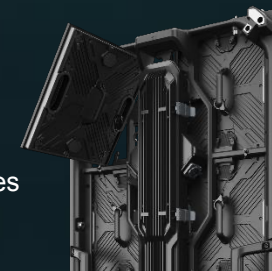
Remove screws



## Rear Maintenance



Remove modules



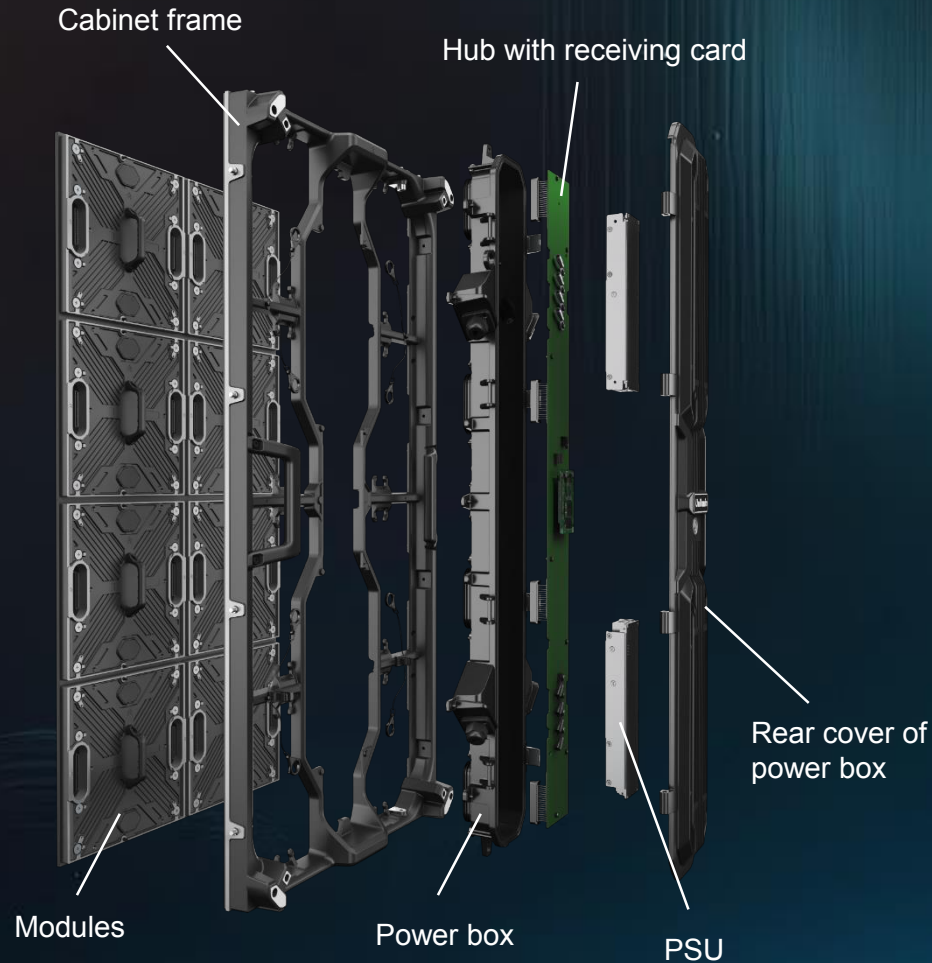
Open PSU box



Support full front & rear installation and maintenance;  
Single module disassembly and assembly time  $\leq 10s$ , achieving an 83% improvement in maintenance efficiency compared to traditional screw-fixed designs.

# Superior structural design

Unilumin



## Module cordless connection & Modular design

UslimIII O's module cordless connection facilitates easy maintenance while ensuring stable signal transmission by reducing significant amount of connection cables.

This design minimizes cable clutter, allowing for quick access to components and enhancing overall reliability, making it an efficient choice for seamless operation.

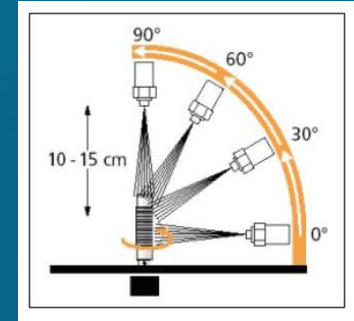
# IP69K Protection — Superior Waterproof Performance

Unilumin



## IP69K Test\*

-  Water temperature:  $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$
-  Water pressure: 80~100 bar
-  Water flow rate: 14~16L/min
-  Water spray distance: 10~15cm
-  Water spraying angle:  $0^{\circ}$ ,  $30^{\circ}$ ,  $60^{\circ}$ ,  $90^{\circ}$
-  Water spraying time: 30 seconds per angle



Compared with IP65, IP69K is a higher dimension protection test, which is closer to the real application of outdoor display screens, so customers don't need to worry about USK's operation status.

\*Test standard: hot vapor washout test as defined in EN 60529 and DIN 40050-9.

# Magnetic anti-loosening structure

Unilumin

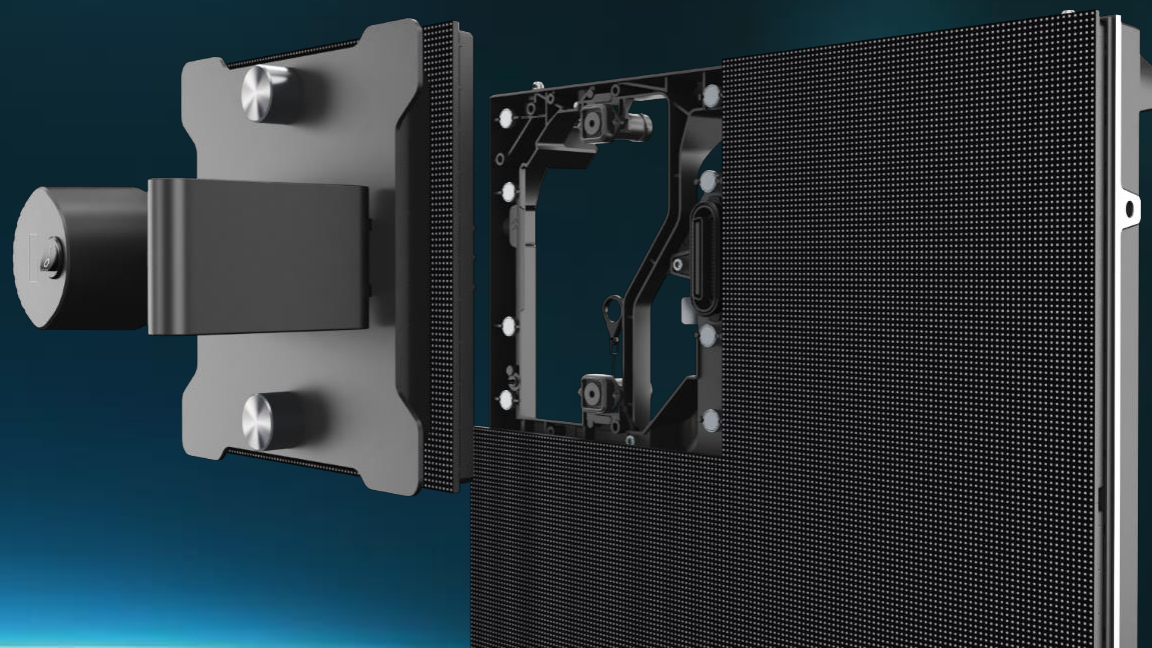


## Patent Locks

The powerful magnet + magnetic anti-loosening structure eliminate the risk of module detachment caused by magnetic attraction alone. This dual insurance design ensures safety.

Additionally, the use of specialized maintenance tools for disassembly prevents unauthorized module removal or theft by non-professional personnel.

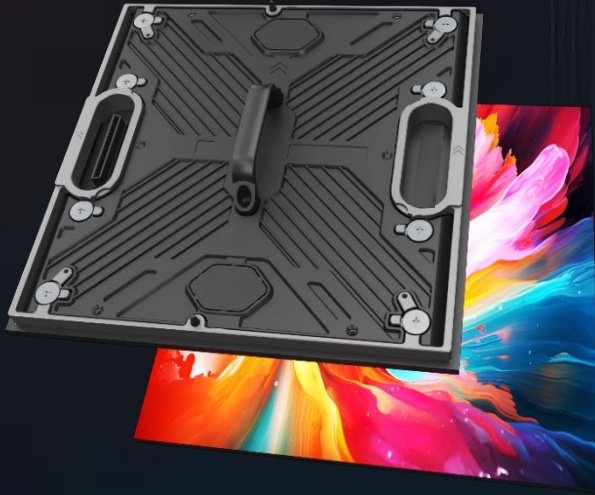
- ◆ Prevents detachment
- ◆ Prevents theft
- ◆ Prevents disassembly



\*Optional

# Smart Monitoring\*, Enabling Remote Monitoring

**Unilumin**



Pixel Error Detection



Voltage Monitoring



Smoke Detection



Temperature Monitoring



Module Signal Monitoring

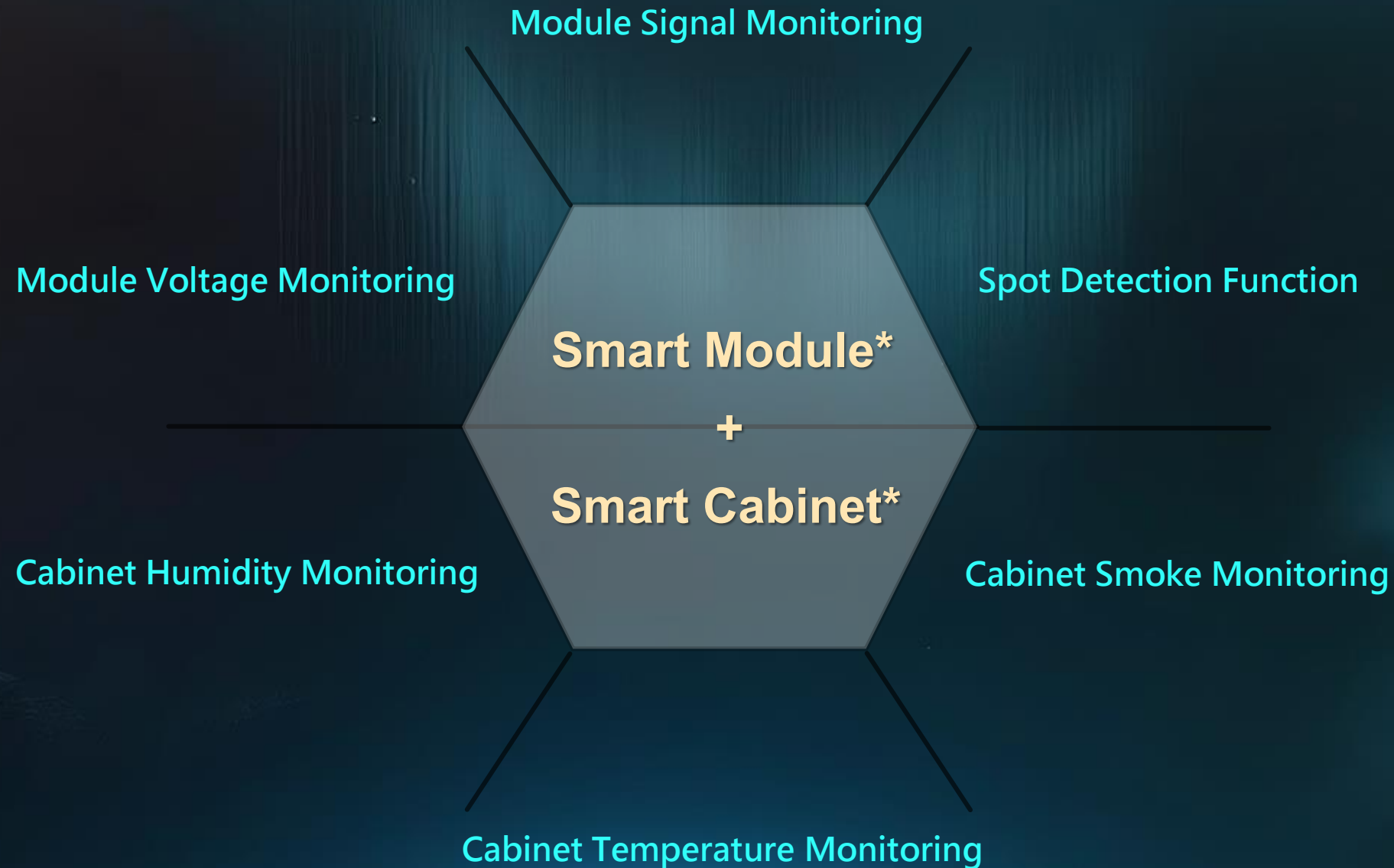


Cabinet Humidity Monitoring

\*Optional

# Smart Monitoring\*, Enabling Remote Monitoring

**Unilumin**



\*Optional

# Specifications

Unilumin

| Model                    | UslimⅢ MIP O1.5                | UslimⅢ MIP O1.9 | UslimⅢ MIP O2.5 | UslimⅢ O2.6                    | UslimⅢ O2.9 | UslimⅢ O3.9 |
|--------------------------|--------------------------------|-----------------|-----------------|--------------------------------|-------------|-------------|
| Pixel Pitch              | 1.56                           | 1.9             | 2.5             | 2.6                            | 2.9         | 3.9         |
| LED Type                 | MIP                            |                 |                 | SMD                            |             |             |
| Module Size              | 250x250mm                      |                 |                 | 250x250mm                      |             |             |
| Panel Size               | 500×500/500x750/500×1,000×86mm |                 |                 | 500×500/500x750/500×1,000×87mm |             |             |
| Weight                   | 41/38.5/37kg /m <sup>2</sup>   |                 |                 | 35/33/31kg /m <sup>2</sup>     |             |             |
| Maintenance              | 100% Front and Rear            |                 |                 |                                |             |             |
| Ingress Protection       | IP69K                          |                 |                 |                                |             |             |
| Material                 | Die-cast Aluminum              |                 |                 |                                |             |             |
| Brightness               | 5,000cd/m <sup>2</sup>         |                 |                 | 5,500-7,000cd/m <sup>2</sup>   |             |             |
| Viewing Angle<br>(H / V) | 170°/170°                      |                 |                 | 160°/160°                      |             |             |
| Contrast Ratio           | 7,000-10,000:1@10lux           |                 |                 | 8,000-16,000:1@10lux           |             |             |
| Gray scale               | ≥14bit                         |                 |                 |                                |             |             |
| Refresh Rate             | 7,680Hz                        |                 |                 |                                |             |             |
| Input Power<br><Max>     | 600W/m <sup>2</sup>            |                 |                 | 580-640W/m <sup>2</sup>        |             |             |
| Input Power<br><Typical> | 150W/m <sup>2</sup>            |                 |                 | 145-160W/m <sup>2</sup>        |             |             |

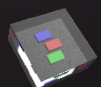
# Application

Unilumin



Street furniture, City buildings, CBD areas, Commercial plaza, Transportation hub...etc.

# Upgrade for better Highlights



MIP version



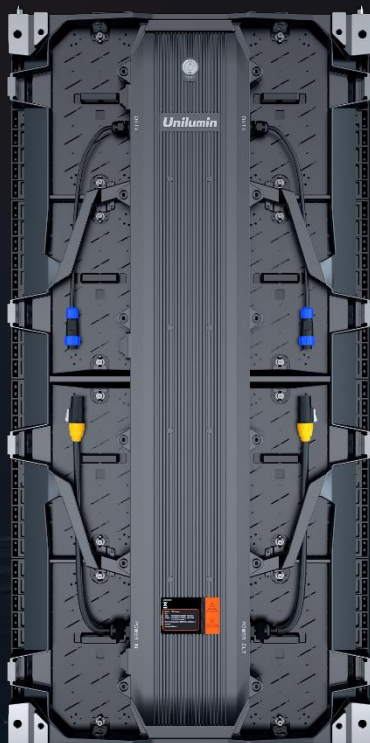
More cabinet sizes



Energy Efficiency



Lightweight



USK

- SMD: 5000-6000nits
- Weight: 36kg/sqm(P3.9,500\*1000mm)
- 3840Hz(optional 7680Hz)
- Viewing angle:160°/140°
- Dual-voltage Common anode
- Internal cordless connection
- Front & Rear maintenance
- 2 cabinet sizes
- Module sunshade (optional)
- Magnet(2.6/2.9) 、 Magnet+ knobs(3.9/4.8/5.9)
- Smart module(optional)
- Power & data redundancy(optional)
- Curve and corner(support)

- MIP: 5000nits; SMD: max 7000nits
- Weight: 31kg/sqm(P3.9,500\*1000mm)
- 7680Hz(standard)
- Viewing angle:170°/170°(MIP version )
- Dual-voltage common cathode
- Internal cordless connection
- Front & Rear maintenance
- 3 cabinet sizes for more creative splicing options
- Module sunshade (MIP version standard)
- Magnet + patent magnetic anti-loosening structure
- Smart module(optional)
- Curve and corner(under development)



Uslim III O