

Unilumin

Usurface III

Industry leading 10000 nits SMD Display Screen

UsurfaceIII

UsurfaceIII, a **high-end** outdoor product ,
industry's first **10,000-level brightness**
SMD display, with **IP65** high protection
level, suitable for outdoor business wall,
high-rise buildings and other LED display.





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01-Excellent display performance

- Brightness up to **10000nits**;
- Super high contrast ratio
16000:1 optional
- **140°/120°** Ultra-wide viewing angle

Ultra-high brightness——Up to 10000nits

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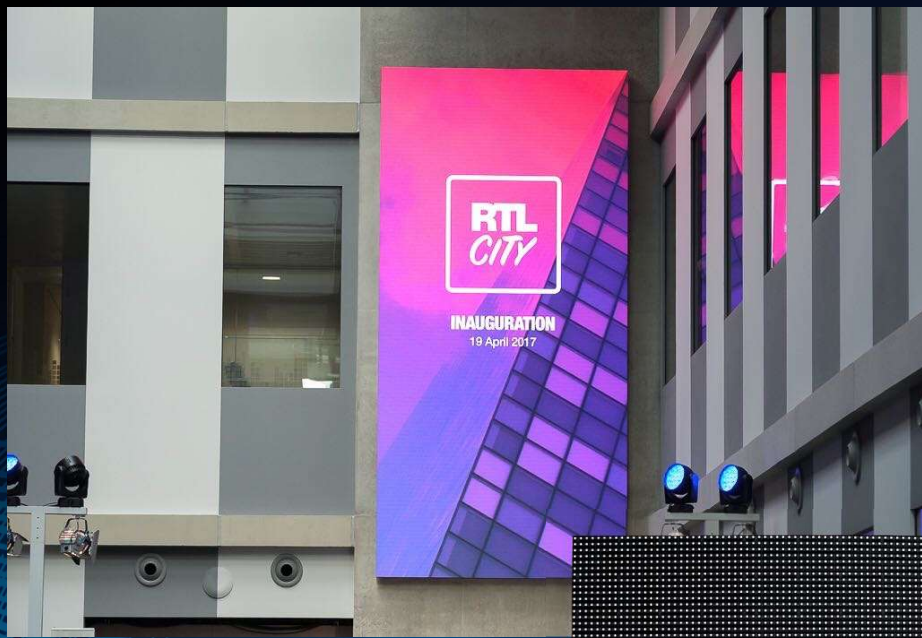


Item	Pixel pitch (mm)	brightness (nits)	Contrast ratio	Input Power <Max> (W/m ²)	Input Power <Typical> (W/m ²)
UsurfaceIII	10	6500	8000:1	650	217
	10	8000	12000:1	750	250
	10	10000	16000:1	800	267

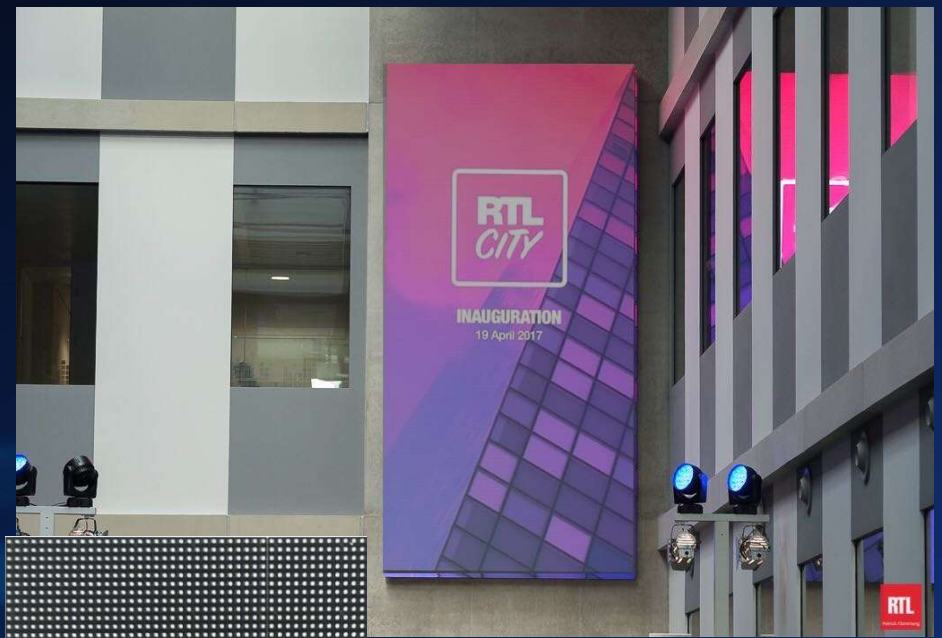
Exclusive custom SMD lamp beads, brightness can reach 10000nits, in the direct sunlight visual effect is still clear, excellent color mixing effect.

Super high contrast ratio——Up to 16000:1

Thanks to the **ultra-high contrast performance**, the display is clearer and more detailed, with true and full color reproduction.



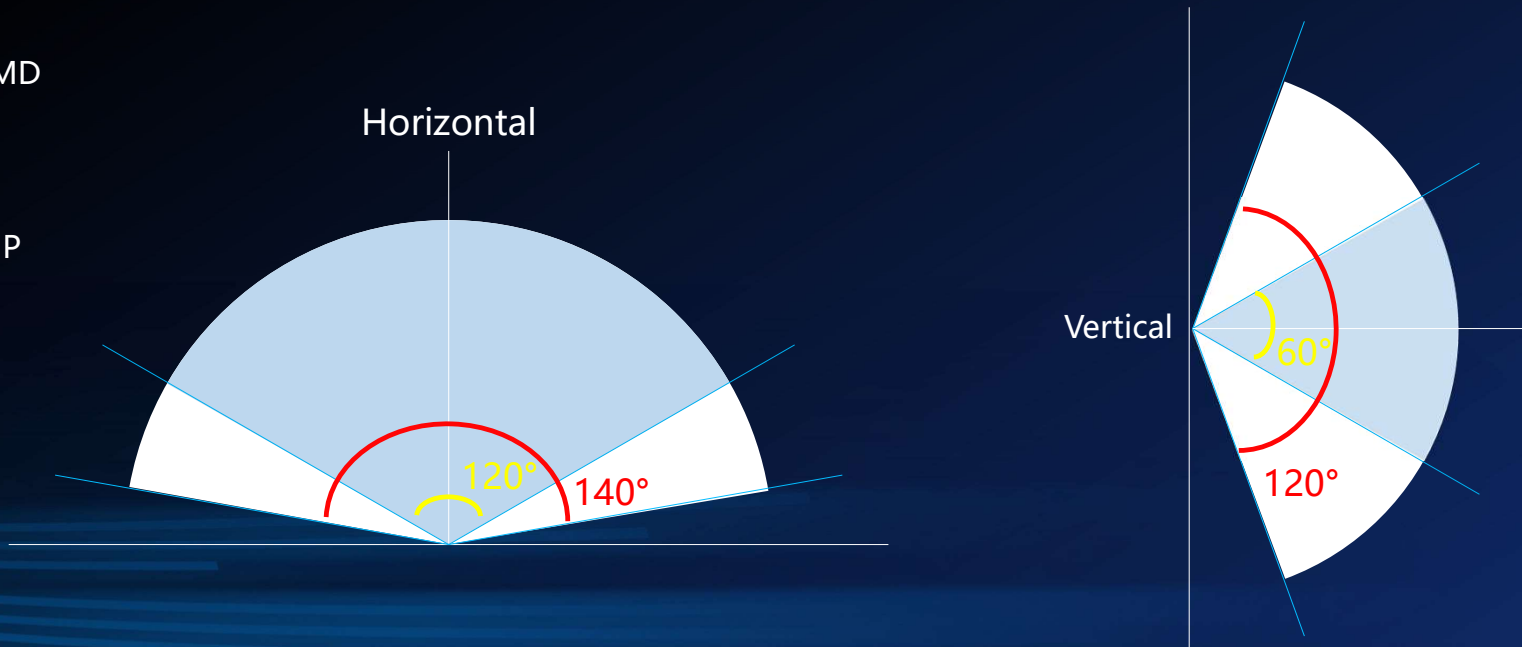
Usurfacell



Ordinary SMD

Wide viewing angle——SMD overall wider than DIP

- SMD
- DIP



- ◆ Viewing angle of SMD is overall wider than DIP. The vertical one is even **double** that of DIP.
- ◆ Thus, LED screen for media advertising can reach great range of visibility to improve efficiency of advertising.



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02-Efficient heat dissipation capability

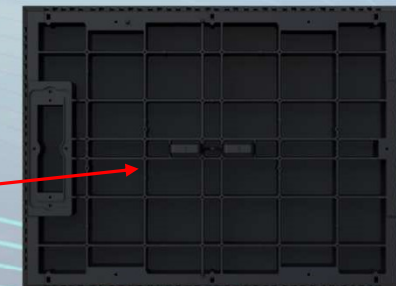
- Frame type case design;
- **Double-sided gluing**, bottom shell hollowing
- **Fanless power supply design**

Good heat dissipation——5°C lower than normal module

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1. The **frame-type box** is designed to withstand various adverse weather conditions for better heat dissipation.
2. Module **double-sided potting seal**, no need to back case protection, better heat dissipation, more suitable for high temperature and high humidity environment.
3. Module bottom case **hollowing**, efficient heat dissipation.



Through the above three unique designs, the heat dissipation capability of the case is even better, and during actual operation, the surface temperature is at least **5°C lower** compared to conventional SMD HD displays.

Good heat dissipation——Fanless power supply

1. **No fan power supply**, high temperature resistance, more quiet.

2. The power supply is **close to the aluminum back cover** for efficient heat dissipation.



Compared to the power supply with a fan, it can **effectively prevent dust and moisture** from entering and operate more stably.

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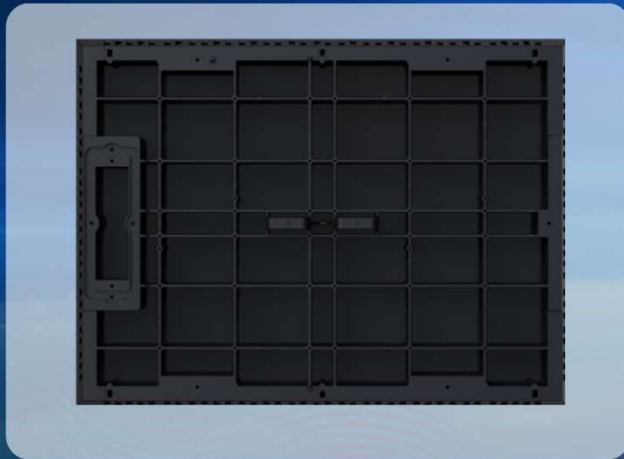
03-Totally protection

- Double-sided gluing;
- **Bottom shell hollow design;**
- **Fully enclosed design.**



Totally protection——Double-sided gluing,hollow shell design

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Double-sided gluing design



Hollow shell design

- ◆ High protection grade **IP65**, stronger weather resistance, more stable.
- ◆ Bottom shell up and down through holes to prevent water accumulation

High reliability——IP65 High protection level

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Waterproof test



Module waterproof test

◆ The completely **waterproof design** can withstand storm weather

High protection——IP65、 Independent waterproof module

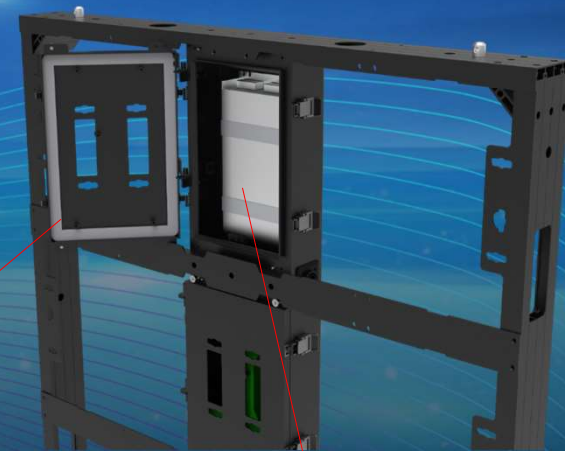
Independent waterproof module, IP65 class, **EXCELLENT** waterproof and dustproof effect, high protection and weather resistance.

The **hollow design** facilitates heat dissipation and avoids rainwater accumulation.



Double-sided gluing design, totally waterproof

Power box **waterproof ring**, better protection



Due to the long power life and low failure rate brought by **fanless power supply**, the product is more stable.



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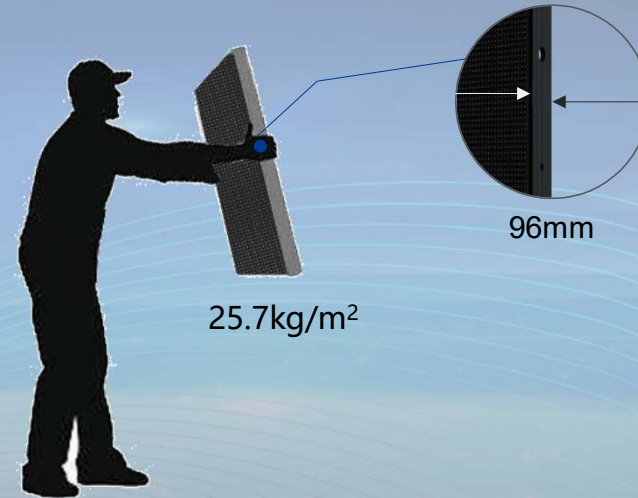
04-Convenient maintenance

- **Lightweight case** that can be carried by one person;
- **High transport efficiency;**
- **Module handle, 8 knobs.**

Convenient maintenance——thin and light



W800mm×H900mm×**D96mm**
Aluminum profiles



25.7kg/m²

96mm

U surfacell: Only 96mm thickness, 25.7kg/m²

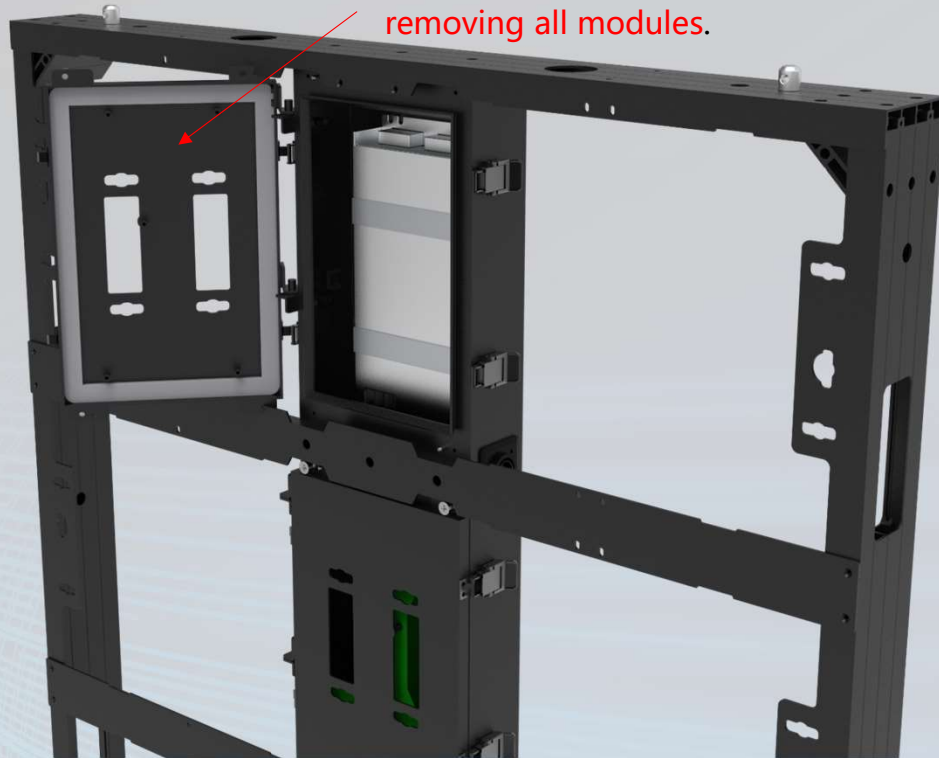
◆ **Profile aluminum cabinet**, higher strength, no rust hidden trouble.

◆ Light and light, 800*900***96mm**, the weight of **a single box is only 18.5kg**, supporting single installation and maintenance.

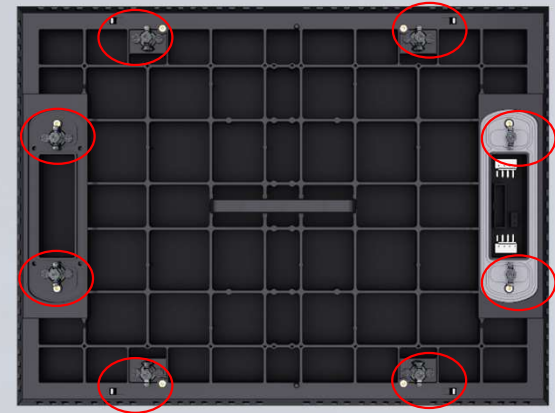
Convenient maintenance—Three-stage design

The unique design makes the maintenance process of the screen more **convenient and fast**.

Easy to remove broken power supply without removing all modules.



Fixed by 8PCS knobs, 30S fast module maintenance



Convenient maintenance——Save on shipping costs

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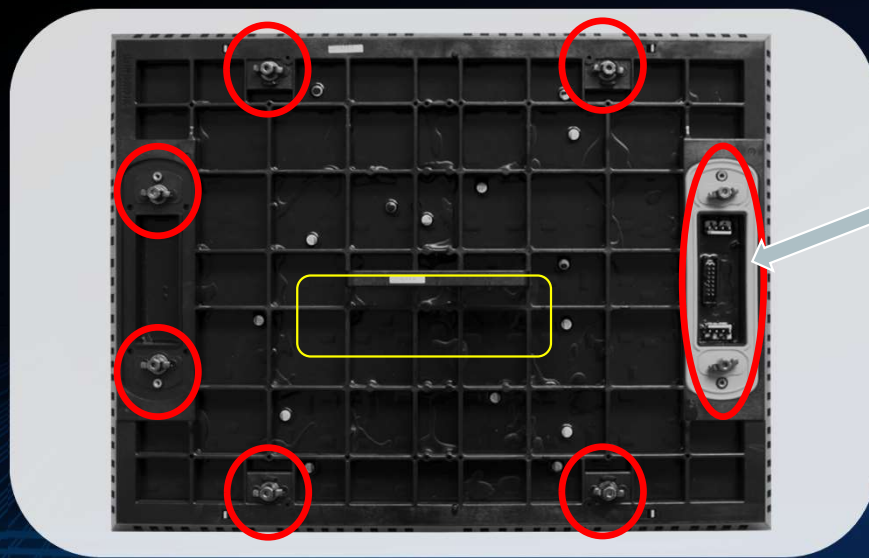
Usurfacelll



Ordinary

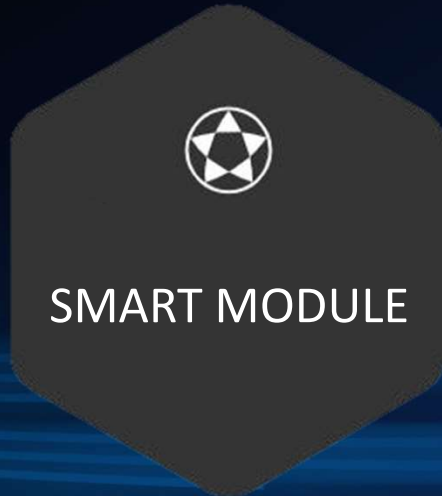
- ◆ Light weight, **26KG/m²**, conducive to building load bearing.
- ◆ Unit cars can carry **more Usurfacelll cabinets**, saving transportation and labor costs.

Convenient maintenance——knobs fixed design



- ◆ The module is fixed by **6+2 knobs**, so that the force is more uniform and easy to disassemble. The two knobs at the interface are equipped with waterproof apron to ensure the sealing and waterproof performance of the interface.
- ◆ Equipped with **module handle**, higher safety.
- ◆ Front , Rear , Front and Rear maintenance, **three kinds of maintenance methods** are optional.

Smart module function (optional)



- Pixel Inspection Function
- Module Signal Monitoring
- Module Voltage Monitoring
- Module Temperature Monitoring

Brightness automatic adjustment (optional)

Intelligent brightness adjustment, keep the best picture at all times, **save power consumption** to the greatest extent



The screen changes its brightness to match the ambient brightness, which gives a good display and helps reduce the screen's power consumption in low light.

Main specifications

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Item	UsurfacellII (800*900)											
Pixel pitch	6.67			8.33			10			16.67		
brightness (nits)	6500	8000	10000	6500	8000	10000	6500	8000	10000	6500	8000	10000
Maintenance	Front		Rear	Front		Rear	Front		Rear	Front		Rear
Weight (kg/m ²)	29		26	29		26	29		26	29		26
Size (mm)	W800*H900*D96											
Contrast ratio	5500:1	7000:1	9000:1	5500:1	7000:1	9000:1	8000:1	12000:1	16000:1	8000:1	12000:1	16000:1
IP	Front : IP65/IP65 Rear: IP65/IP54											
Input power <Max>(W/ m ²)	650	750	800	650	750	800	650	750	800	650	750	800
Input power <Typical>(W/ m ²)	217	250	267	217	250	267	217	250	267	217	250	267

Notes: Different sizes can be customized, such as 800*1200.

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TOGETHER, FOR A BRIGHTER FUTURE

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