UsurfaceⅢ, Oudoor LED from Unilumin

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Pioneering SMD technology delivers an impressive 10,000 nits for outdoor LED screens, available in P6, P8, P10 and P16 pixel pitches. Designed for maximum impact, it offers exceptional brightness and a high contrast ratio for clearer visuals with reduced sunlight reflection. A wider viewing angle ensures excellent visibility across large areas, while flexible front or rear maintenance makes installation and servicing simple and efficient.

Application Scenario

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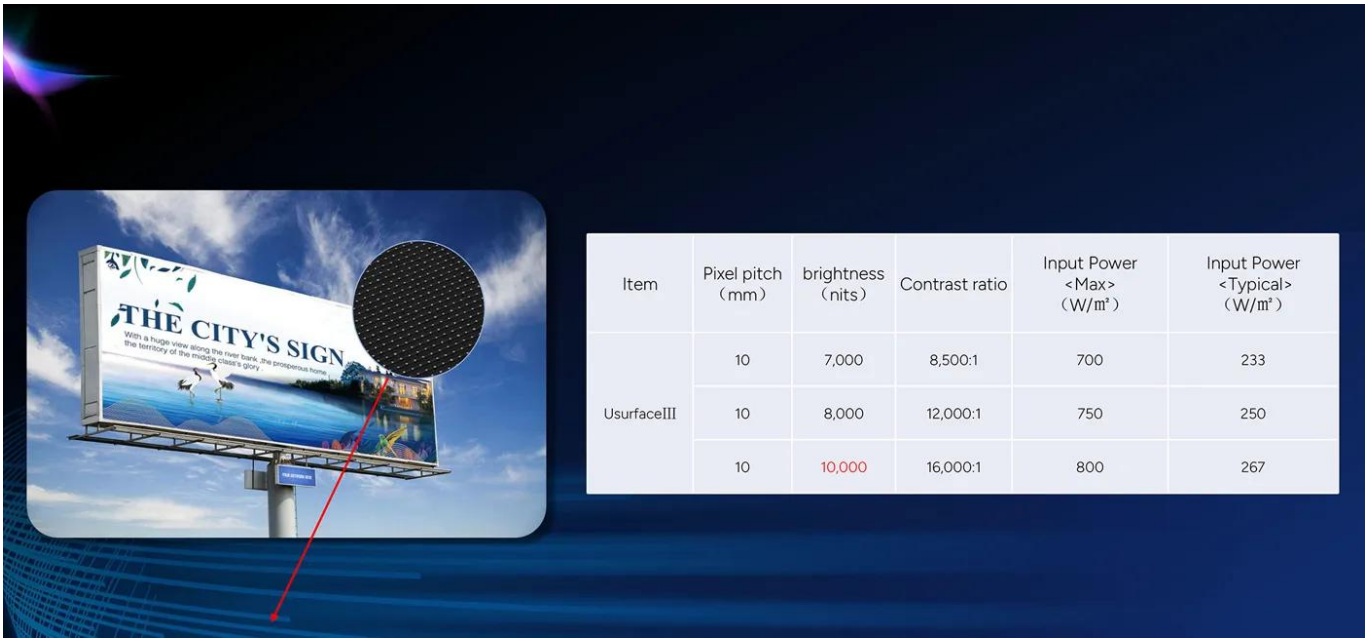


E Sports

Ultra-high brightness——Up to 10,000nits

Featuring exclusive custom SMD lamp beads, brightness reaches up to 10,000 nits, ensuring clear visuals even in direct sunlight, with outstanding color mixing performance.

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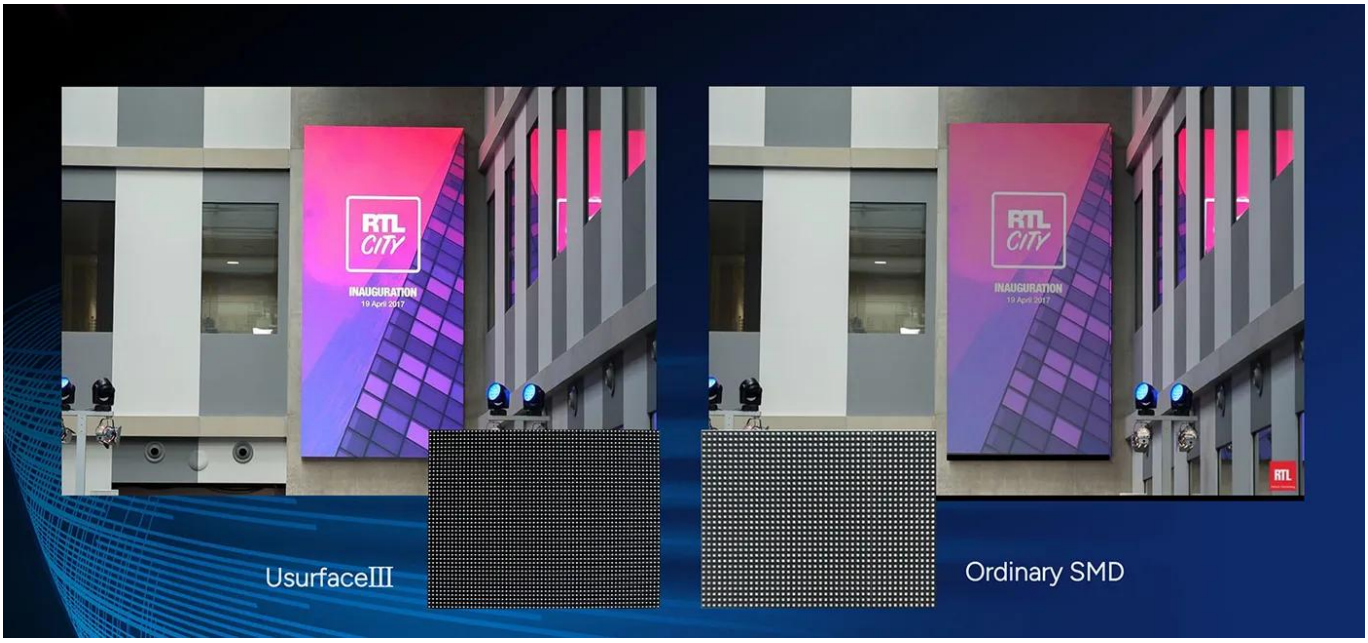


Item	Pixel pitch (mm)	brightness (nits)	Contrast ratio	Input Power <Max> (W/㎡)	Input Power <Typical> (W/㎡)
UsurfaceIII	10	7,000	8,500:1	700	233
	10	8,000	12,000:1	750	250
	10	10,000	16,000:1	800	267

Super high contrast ratio——Up to 16,000:1

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

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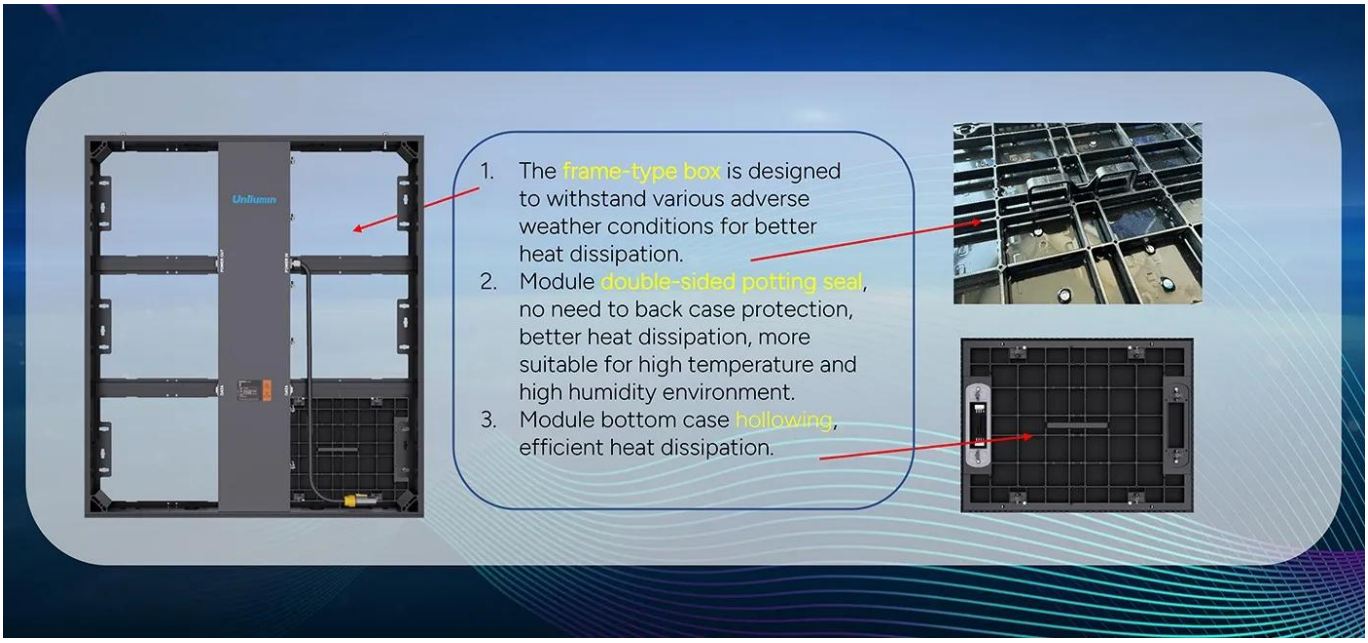
Wide viewing angle——SMD overall wider than DIP

- SMD technology offers a significantly wider viewing angle than DIP, with the vertical angle nearly double that of DIP. This allows LED advertising screens to achieve broader visibility, greatly enhancing advertising impact and effectiveness.

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

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.

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Convenient maintenance——thin and light

- Profile aluminum cabinet , higher strength, no rust hidden trouble.
- Light and light, 800*900*98mm, the weight of a single box is only 20.8kg, supporting single installation and maintenance.

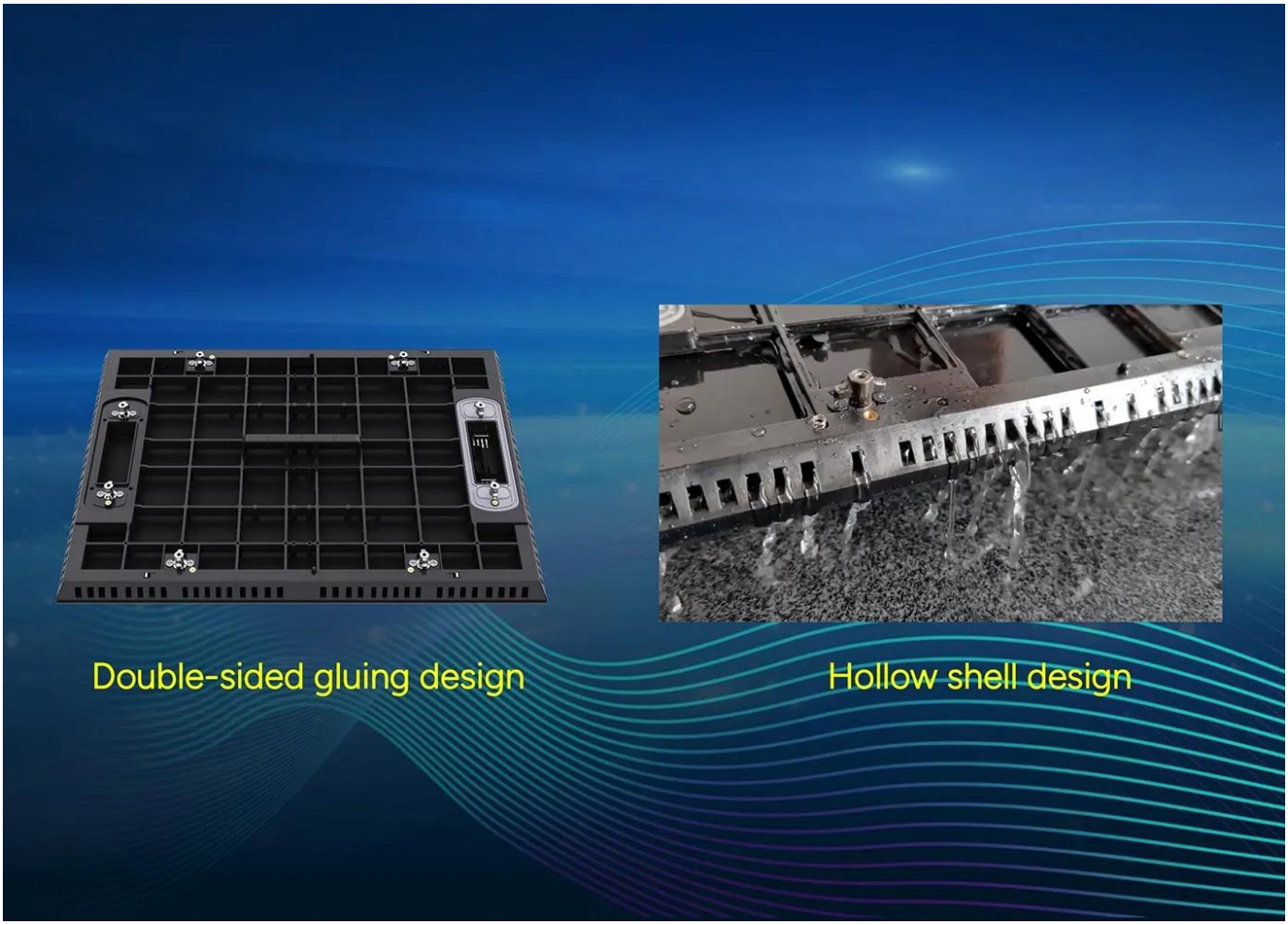
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Total protection——Double-sided gluinghollow shell design

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

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High reliability——Fully enclosed design

The module and cabinet feature a fully enclosed design with complete waterproof protection, making them capable of withstanding stormy weather conditions.

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

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to ensure the sealing and waterproof performance of the interface.
- Equipped with module handle, higher safety.

Convenient maintenance——Three-stage design

The unique design enables faster, more convenient screen maintenance.

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.

Smart module function (optional)

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

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