

Nature image, stable operation

Unilumin



USK Series

Outdoor HD Display Series



USK Series

Nature image, stable operation

USK, which has multiple virtues such as excellent display performance, super stability, energy-saving, and user-friendly designs, with high-end design concept to bring customers higher advertising value.

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Delicate and Stunning Visual Performance

Darker ! Brighter !

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Regular P3.9 SMD1921
contrast ratio 4500:1

USK P3.9 SMD1415
contrast ratio 6500 : 1



· 6000 nits brightness



· 6500 : 1 contrast ratio



· 2.6/2.9/3.9/4.8/5.9 available

With a higher contrast ratio and brightness, USK can present a stunning visual experience and the advertisements will be more eye-catching.

Ultra Clear Image with 7680 Refresh Rate

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Conventional Display

USK

7680Hz

USK support 7680Hz refresh rate, ensuring a more realistic and smoother visual experience with no ghosting and visible scan-lines

Ultra-wide Viewing Angle

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Ultra-wide viewing angle **160°/140°** , bringing all-round advertising to media clients and improving user perception

Keep the Ads Perfectly Rendered at Any Time

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Day mode



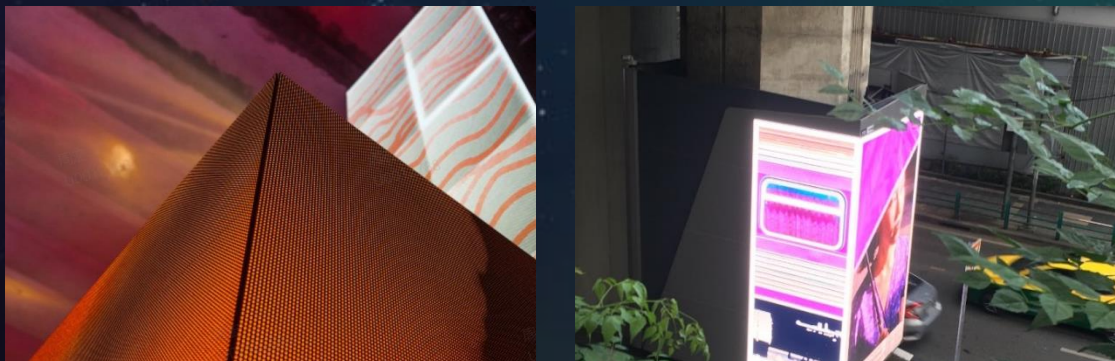
Night mode

- Day and night dual program to ensure that the grayscale will not be lost when the brightness is reduced at night
- Mode switching is easily achieved in **one second**
- The timing switch function is under development*

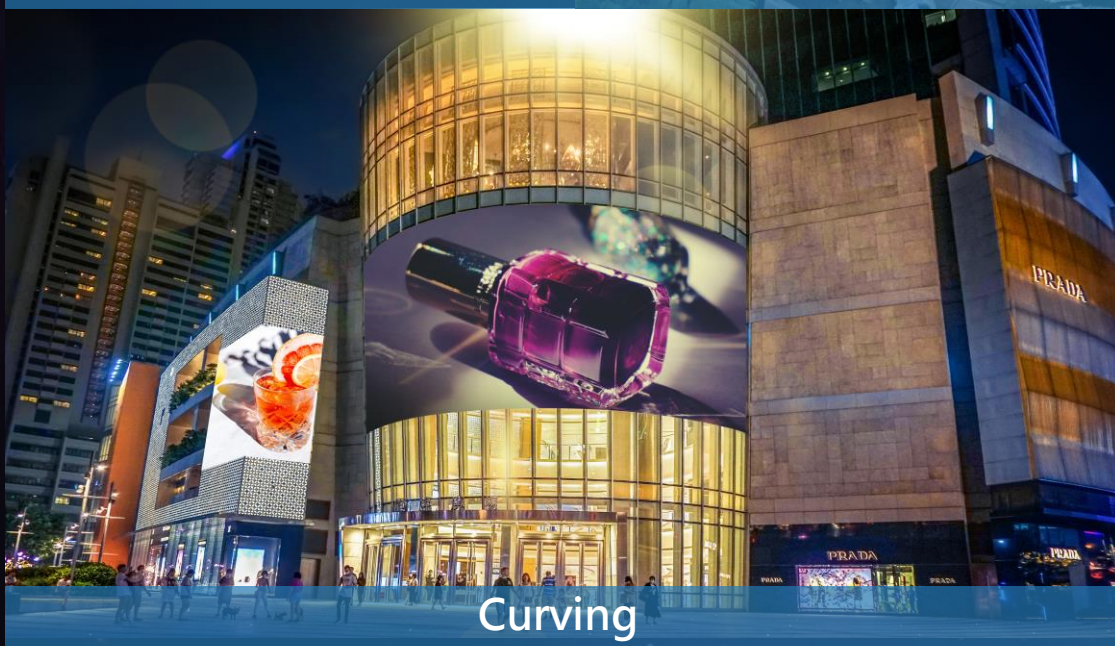
No Limited Shapes with High Flexibility

Creative Installation

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Corner



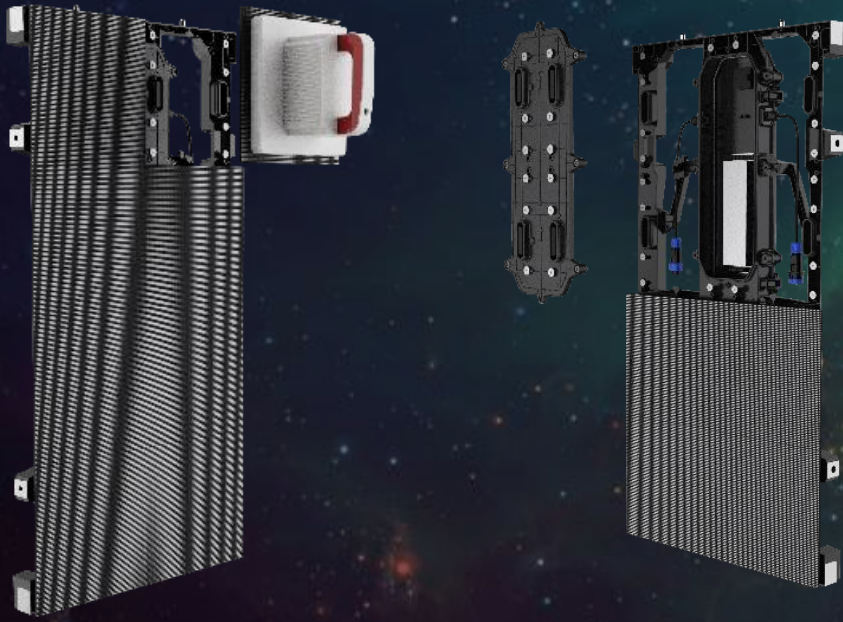
Curving

The cabinet has a 45° design, which can easily match the needs of different scenarios.



Hassle-free Front & Rear Maintenance

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Front maintenance



Rear maintenance

USK supports **front & rear installation and maintenance**, flexible installation and use.

Reliable with Ultra-high Stability

Die-cast Aluminum Cabinet, Unaffected by Salt Spray

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Beach



Nearby the sea



Die-cast aluminum housing



Surface spraying processing



Electrophoresis processing



Adopt reliable die-casting aluminum housing and multiple special processing, USK can easily meet the protection needs of coastal areas, beaches, swimming pools, etc., without fear of salt spray environment erosion.



Efficient Heat Dissipation Design



Large rear cover

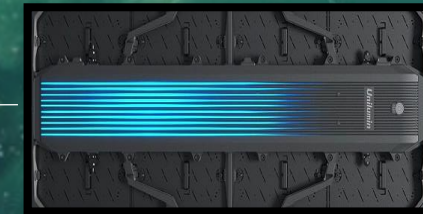


Double-sided gluing design

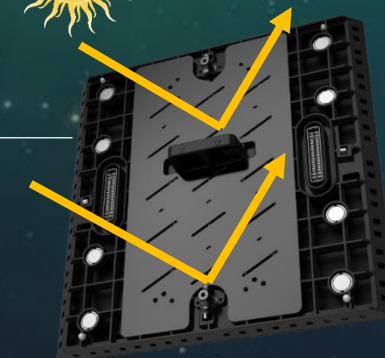


Sunshade design

With innovative heat dissipation designs, USK can effectively reduce external environmental and internal thermal effects to keep it **operating at normal temperatures.**



Rear cover size is 50% larger than regular products









Avoiding direct sunlight

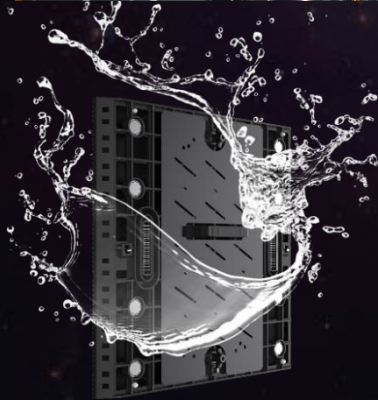
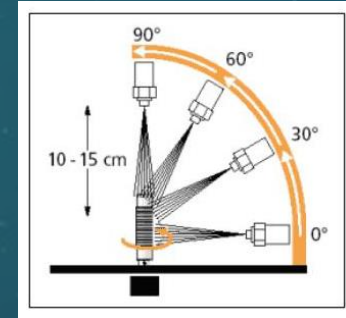
IP69K Protection — Superior Waterproof Performance

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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° , 30° , 60° , 90°
-  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 vapour washout test as defined in EN 60529 and DIN 40050-9.

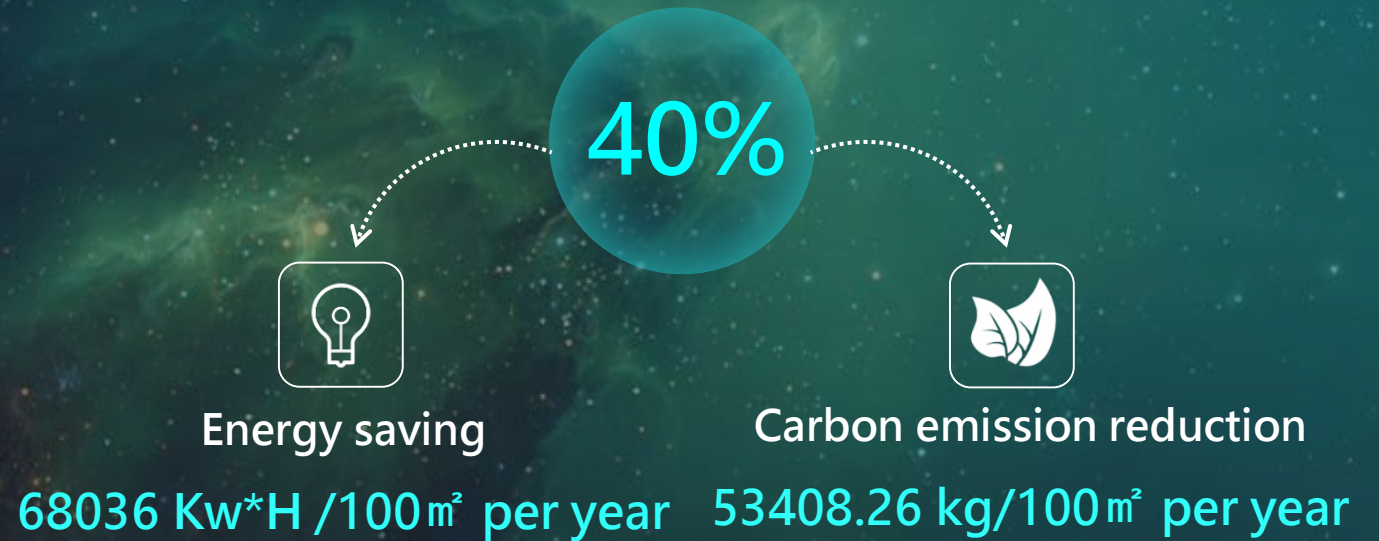
Energy Saving and Environmentally Friendly

DVPS Energy-saving Technology

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Compared to conventional 5V power supplies*



Equipped with the latest DVPS energy-saving technology, USK consumes less electricity and produces fewer carbon emissions than conventional 5V power supplies, ensuring a higher return on investment for customers and outdoor media.

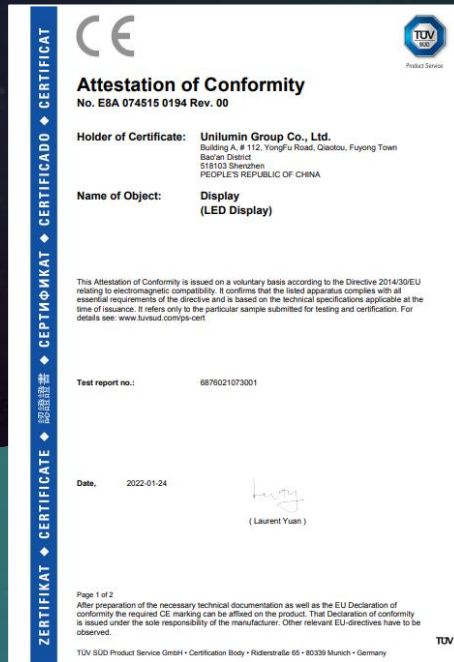
*Test standard: 3.9 pitch, 100m2, 12H/day, continuous operation for 365 days.

*Compared with conventional 4.2V power supplies, the power consumption is reduced by 16%

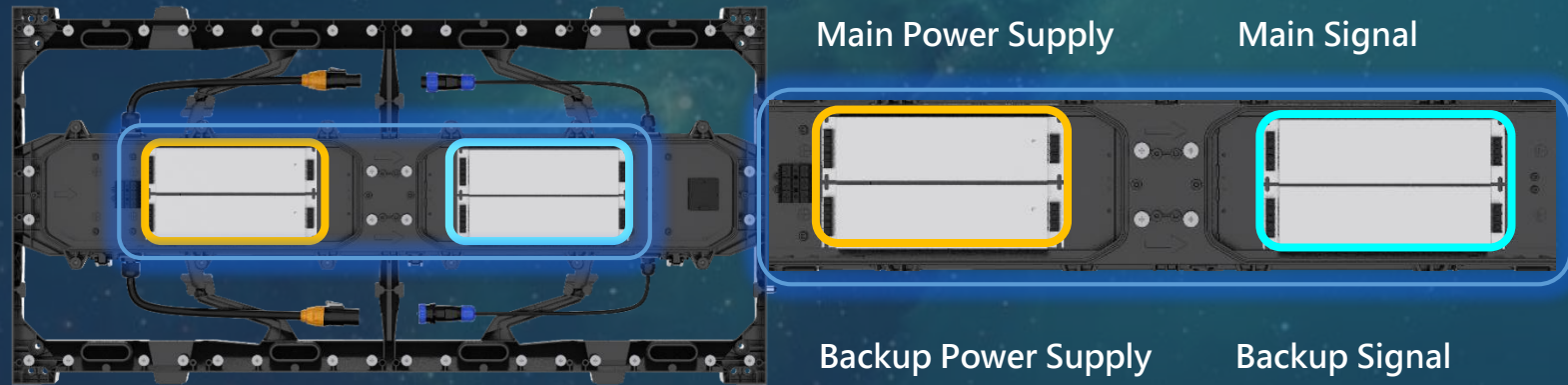
EMC Class B Design

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Based on the excellent circuit design, USK can meet the electromagnetic requirements of **EMC Class B for a single cabinet**. USK can not only operate without causing electromagnetic interference to other equipment in its environment but also can not be adversely affected by other devices.



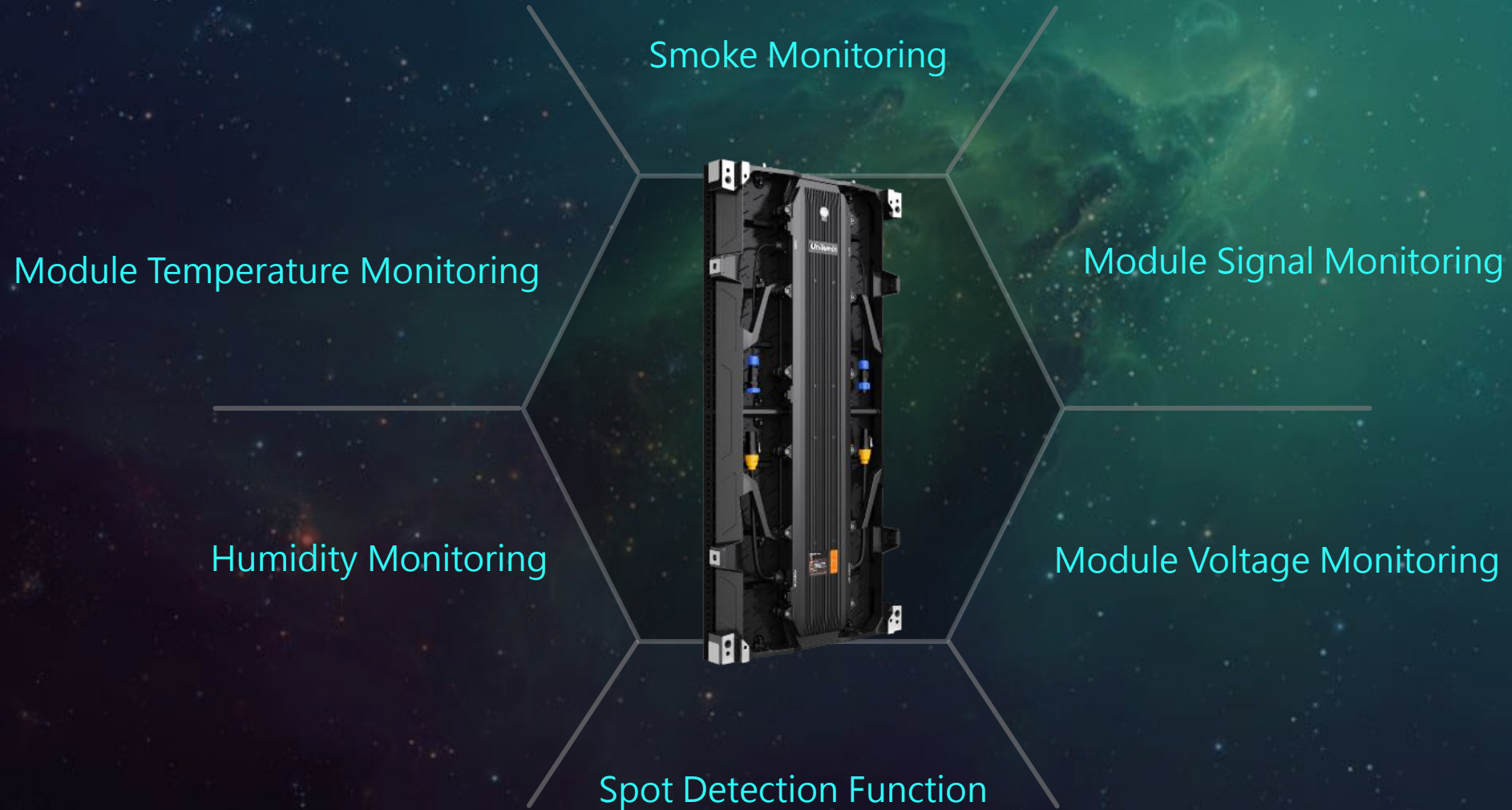
Power & Data Redundancy*



The ample internal space allows USK to support power & data redundancy so that USK can maintain ultra-stable operations.

Remote Monitoring of LED Screen Status*

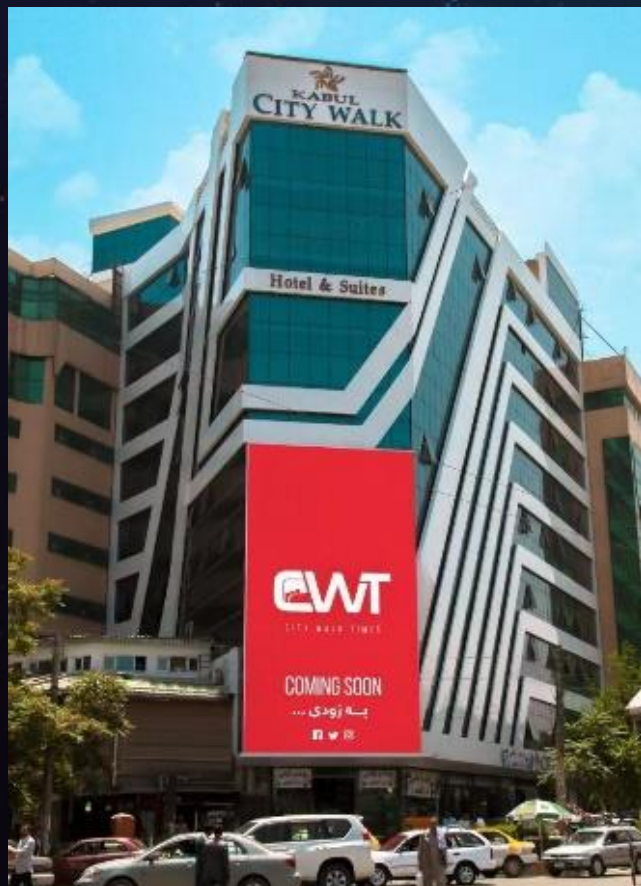
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*Optional

Applications

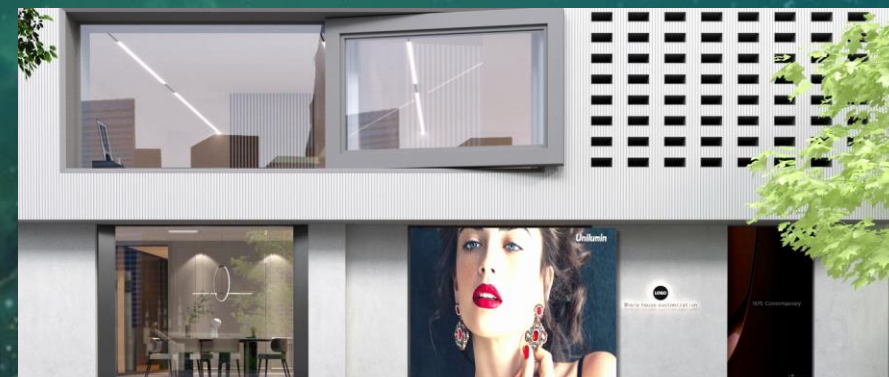
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Wall-mounted display



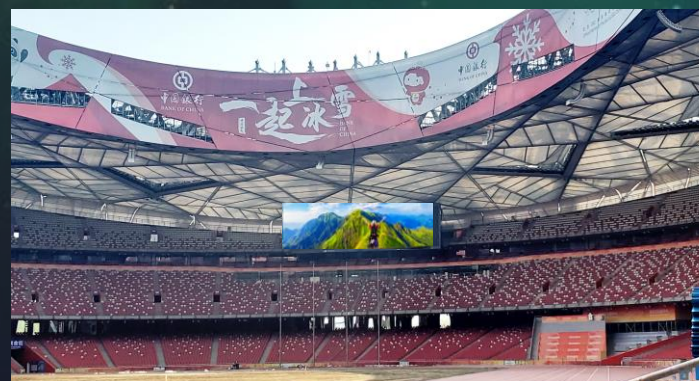
Outdoor advertising display



Outdoor window display



Bus station



Stadium



Outdoor live show

Parameters

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Product Series	USK					
Pixel Pitch	2.6mm	2.9mm	3.9mm		4.8mm	5.9mm
LED	SMD1415	SMD1415	SMD1415	SMD1921	SMD1921	SMD1921
View Angle	160°/140°					
Brightness	6000 cd/m ²	6000 cd/m ²	6000 cd/m ²	6000 cd/m ²	6000 cd/m ²	6000 cd/m ²
	4000 : 1	4000 : 1	6500 : 1	5000 : 1	6000 : 1	6000 : 1
Cabinet Weight	34kg/m ² / 37kg/m ²					
Module Size	250*250mm					
Cabinet Size(W x H x D)	500*1000*78mm / 500*750*78mm					
Material	Die Casting Aluminum					
IP	IP69K (IP66 included)					
Maintenance	Both Front and Rear					
Power (Maximum Value)	650W/m ²			600W/m ²		
Power (Standard Value)	217W/m ²			200W/m ²		
Certification	CCC / CQC / CE / CB / UL / FCC / UKCA / BS476 / IP69K test					

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TOGETHER, FOR A BRIGHTER FUTURE

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