Unilumin

Unilumin Product Map

Unilumin

UNILUMIN GROUP CO., LTD.

LinkedIn   X   Facebook   Instagram   Tiktok   Youtube

SINCE 2004
TOGETHER, FOR A BRIGHTER FUTURE

HQ-MKT-HC-005

Unilumin Providing **Professional LED** Application Services

Why Choose Unilumin

- Leading in LED display industry exports for **10** consecutive years
- Rapid growth (CAGR **24%**) for 12 years

- Pioneer in the LED industry for **20+** years
- Public listed brand in XSHE stock
- Ranks among **Top 500** most valuable brands in Asia

Unilumin is the first enterprise in the LED display industry to achieve **TÜV SÜD** low carbon certification

- Grand Slam winner of the International Design Awards
- Full range of products, including display & lighting, multiple production lines and product combinations

- Patents: **3,000+**
- Technological upgrade：P0.4 in mass production, **COB/MIP** cutting-edge package , **EBL+** patent tech

Unilumin Exclusive Value
- Full range of industry verticals
- Integrated solution capabilities, with full customisation service

- **The world's largest** LED display manufacturing base of **400,000** sqm
- **1,200,000** sqm LED display annual shipments
- **1,300,000** pcs LED lighting annual shipments

Distributor
Agency
Dealer

High-touch Support

- Active countries **160+**
  Serving **10,000+** customers
- Multi-channel model

- **20+** Subsidiaries & offices
- **5,000+** employees
- Complete **UCE** training certification

U Headquarters   U Subsidiaries & Offices

Unilumin

Professional

UMicro(P0.4/0.6/0.7)
Remarkable to Every Second

• Cool screen:*Micro Chip *EDL+ Tech
• Excellent visual performance:
  EBL+:Contrast Ratio up to 30,000:1
• Class B Certificate | TÜV Low Blue Light Certificate
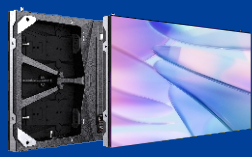
UMiniⅢ(P0.9/1.1/1.2/1.5)
Mini, the New Max

• Mini Chip | Cool screen
• EBL+: Contrast up to 20000:1 | 1200nits
• Class B Certificate |
  TÜV Low Blue Light Certificate

UMini W(P0.7/0.9/1.2/1.5/1.8)
Brand New Mini Product

• Mini Chip | Cool screen
• EBL+: Contrast up to 12000:1 | 800nits
• Class A Certificate |
  TÜV Low Blue Light Certificate

UpanelⅡ MIP(P0.9/1.2/1.5)
Illuminate Your Vision with Unrivaled Clarity

• Clean visuals and lifelike color
• Cordless connection between cabinets
• Excellent visual performance
• Module surface 3+7 protections

UslimⅢ MIP(P1.5/1.9/2.5)
Creative Indoor and Semi-outdoor LED Display

• Three standard sizes of cabinets for different creative shapes such as Round-corner Square, Wave concave and convex arcs etc.
• EBL+ Patented Technology: contrast ratio of 8000:1, displaying more details.
• Ultra Energy Saving: Common Cathode & Flip-Chip LED (CCF)
• Surface light source: Better Protections for eyes.
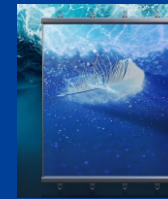
Udesign SV(P3.91/6.25)
Creating a new Era of Indoor Commercial Display

• Up to 95% high transparency
• Upgraded visual performance
• Low maintenance cost with modular design, easy to take out single strip

UVF(P2.6/3.9/7.8/10.4)
**Thin & Slim Design for Indoor Transparent Screen**

• Extreme light&transparent design - 8kg/m², 50% of Transparency
• Unlimited creativity for irregular design
• Front/Rear maintenance design

ULWⅢ Pro(P0.9/1.2/1.5/1.8/2.5)
First Automatic Production NPP LED Display

• Fully automatic production line, 7days fast delivery
• Fully front and rear installation&maintenance, adapt more on-site installation requirements
• High integration system, 2 in 1 HUB, more stable
• Front installation&maintenance, adapt more on-site installation requirements
• Creative design, right angles, Support up to 20° inner curves*
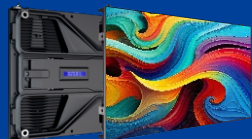
ULWⅢ MIP Pro(P0.9/1.2/1.5)
First Automatic Production NPP LED Display

• EBL+ patented technology: deeper contrast, displaying more details
• Integrated and internal cableless Design: Stable Transmission
• Energy saving: common cathode & flip-chip LED (CCF)
• Excellent side view color consistency: Vivid images
• Surface light source: better protections for eyes

Commercial – Outdoor

UsurfaceⅢ(P6.67/8.33/10)
Pioneering SMD 10,000nit Outdoor LED Screen

• Ultra High brightness up to 10,000nits(SMD)
• High contrast ratio – better viewing effect with less sunlight reflecting on the surface
• Good heat dissipation-5℃ lower than normal module
• Front or rear maintenance optional

Usurface PL1(P6.25/7.81/10.4)
Advertising with No Boundaries

• Cost-saving for Structure with 21.5KG/m² of light weight
• High Utility with 1*1 meter size.
• Reduce 15% of energy consumption by DVPS new tech. (150-200w/m² avg. consumption under 7500nits)

### USK(P2.6/2.9/3.9/4.8/5.9)
Natural Image, Stable Operation

• IP69K, Worry-free under High Temperature or High Humidity environment.
• Reduce 40% of energy consumption by DVPS new tech
• Meet EMC Class B certification(Civilian Standard)

### Usurface GM(P5.71/6.67/8/10)
Stay Cool and Shining

• Increased heat dissipation efficiency by 10% through the die-casting aluminum back cover
• High protection of IP66/IP65 and 5VB Flame-retardant rate
• Energy saving circuit design: Lower operating cost and higher rate of return
• Low luminance decay*: Below 30% of luminance decay after 5 years
• Convenient Front&Rear installation/maintenance

Commercial – Indoor
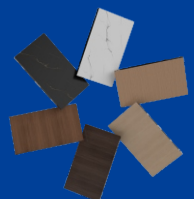
U-Natural(P0.6-2.6)
Turn off the Display, Turn on the Art

• Provide diversified design of surface texture effects
• Scratch-resistant up to 3H
• Seamless mapping
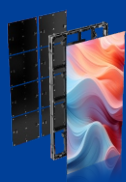
Uslim S2(P1.8/2.5/3.9)
Indoor Ultra-thin Double-side LED Display

• Double-sided display (indoor 800-1,000nits, semi-outdoor 3,000nits)
• Common cathode, and energy saving
• Intelligent operation and maintenance
• Working status monitoring, stable and safe
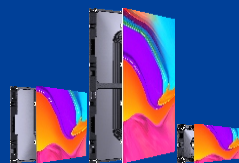
UslimⅡ(P1.5/1.8/2.5/3.2/3.9/4.8)
Ease of Creation with Standard Product
—Visualization Reinvented in Commercial Spaces

• Impressive viewing experience
• Intelligent operation & maintenance control
• Various creative shapes
• User-friendly design

UslimⅢ(P1.5/1.9/2.5/3.9)
Integrated & Creative Indoor LED Display
—Unlock Visions, Unleash Creativity

• Ideal for indoor and semi-outdoor use
• 5760Hz refresh rate for an impressive experience
• Front & rear installation/maintenance
• Integrated Design: Resilient and stable
• Customizable Splicing: Flexible and creative configurations
• Dust-Resistant Surface: Ensures clarity and performance
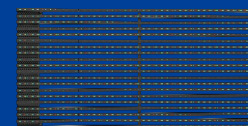
O(1531/2525/2550)

• Better resistance against wind with high transparency up to 72%
• High security - integrated design for PSU and Signal
• Professional for Outdoor Use with IP67 and 10,000nits high brightness
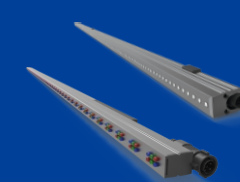
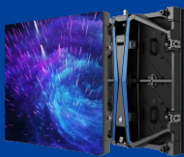### VT(1825/1831/1525/1531/8031)

• Vivid visual experience with reaching 60Hz, 16bit
• First choice for Irregular design
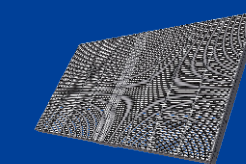
F-M(P3.9-10.4)

• Extreme light&transparent design - 15kg/m², 50% of Transparency
• High secirity - IP65, Integrated modular design

Rental

UpadIV (P1.5/1.9/2.6)
Create Value, Continuously

- Ultra lightweight – die-cast magnesium design, weighs only 6.3Kg
- Brilliant visual performance-DDC (dual drive configuration)technology & HDR technology
- Automatic hanging lock – one-person installation, disassembly and maintenance
- Flexible curve lock – high precision arc block
- Creative display – "S" shape, cylinder, rounded corner, cube and square corner

URMⅢ (Indoor P1.9/2.6/2.9/3.9) (Outdoor P2.9/3.9/4.8/5.9/7.8)
Ease of Use

- True single-person installation – automatic lock design, excellent safety performance
- Pinch n' go module – high efficiency of screen maintenance
- 3D corner protection – protect the screen from damage
- Creative installation – 90° corner, curve and creative shapes

UGMⅡ (Indoor P2.6/2.9/3.9) (Outdoor P3.9/4.8)
All Usability in One

- Cost-saving with 20% lighter and thinner
- Unlimited creativity supporting flexible, curve(±10°), corner and six-sided design with cutomized cabinets
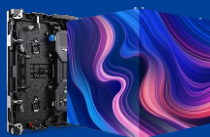
UGNⅡ (P1.2/1.5/1.9/2.6)
HD Meets Creativity

- Detachable lock design – quick shift of cabinet models
- High flexibility – with no limited shapes, for endless imagination
- Real one-person installation – for fewer labor costs and great convenience
- Stable performance – effective protection and backup

Utile EA (P2.6/2.9/3/03)
Lightweight but Robust

- -10°~+10° wide range curving supports various splicing designs
- Support splicing with cube and flexible cabinet, making every creativity possible.
- Visualized locating Installation for better aligning experience
- Independent modular design-for easier maintenance

red dot winner 2024
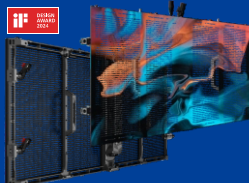
XV (P3.9-7.8)
Simplify your imagination

- Keep perfect visual performance while maintaining high transparency
- Allow more lights come through with high Visual Transparency Angle
- Ensure excellent durability and reliability with IP65 protection
- Unlock creativity with ±15° ultra-wide curving and diverse installation methods
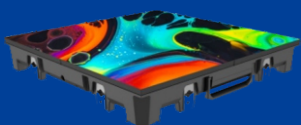
UpadIV HB (P3.9/4.8/5.9/7.8)
Embrace Bigger Touring Stage

- Unprecedented Visual Effects
- Sophisticated Touring System
- Steady Display Performance
- Friendly Electricity System
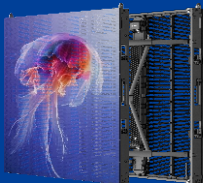
UpadIV ME (P7.8)
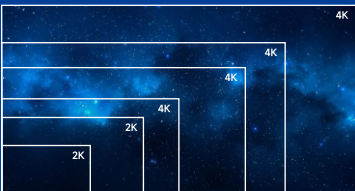**Visible or Invisible, We are Capable**

- Stunning Visual Effects
- Light but Robust Structure
- Reliable Touring System
- Cables & Parameter & Application Scenarios

XF (P2.9)
Purpose-designed Floor Display

- Stunning bearing load, up to 2.5T/m²
- Special bevel edge design for stage elevation.
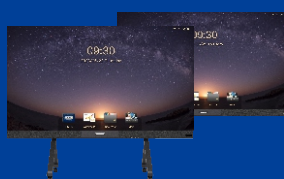- Multiple sealed protection.

UCINE

- High definition, high refresh rate
- High brightness and color consistency
- Excellent contrast performance
- High grayscale
- Cinema LED system combined with video processor

UTV Series

UTV SC (108", 135", 162"U)
Unilumin COB All-in-one

- Full flip chip COB
- Common cathode design
- EBL+ Multilayer optical processing technology

UTV W (135", 162")
Unilumin SMD All-in-one

- Hidden wiring design
- Hollow out design for efficient heat dissipation
- Two in one design for receiving cards and HUB cards

Usport

UsportX (P6.25/8.33/10/12.5)
Outdoor LED Perimeter Display

- 6,000nits brightness & 7,680Hz refresh rate
- Double sides IP65 protection grade
- Silicon soft mask + rubber protective pad + adjustable support frame, protect players and screen
- Meet FIFA/UEFA international competition standard

UsportR (P6.67/8.33/10)
Outdoor LED Ribbon Display

- Extremely stable with system redundancy
- Ultra-high installation accuracy
- Convenient installation & maintenance
- Efficient heat dissipation

UsportMAⅡ (P3.9/4.8)
Gymnasium Cube Display Solution

- Top-class Immersive Viewing Experience with Dynamic HDR Technology
- Ultra Clear Image with 7680 Refresh Rate
- Enjoy events with No Visual Dead Zones
- Reliable with Ultra-high Stability
- Convenient Installation and Maintenance

Unilumin
— Distribution —

Umate PN (P1.2/1.5/1.8)
Fully Automatic & Highly Integrated Professional NPP

- Automated production, excellent precision, higher efficiency
- No cable inside, receiving card and hub 2-in-1 design
- XYZ axis six-way adjustment for better flatness
- Support inner curve, right angle, half cabinet
- Support power supply and signal dual back-up

Umate LM (P1.9/2.5/3.9)
Flexible in Size, Applicable for All

- 3 size cabinets mixed splicing, free to create
- Cabinet rotation usage without color bias
- Semi-outdoor high brightness optional
- Cable-less inside cabinet

Umate SF (P4/6/8/10)
Strong and Stable for Outdoor Display

- High performance advertising potential - 6000-10000nits high brightness, 3840Hz high refresh
- Stable and continuous - Front&Rear IP65, Hidden alignment design, Die-cast cabinet
- Efficient maintenance - Front&Rear Maintenance, weighs 23kg/panel, Dual handles
- Wide range of applications - Right angle solution, Perfect rounded corners
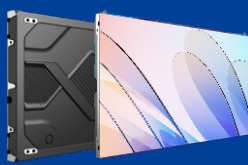
UMini P (P0.9/1.2/1.5/1.8)

- RGB fully flip chip plus energy saving technology, keeps low carbon emissions
- Highly integrated 3-in-1 design for power supply, receiving card and HUB card, highly efficient signal transmission
- Light and slim panel design
- Multiple protections for moisture-proof, dust-proof, anti-static, anti-collision

UDAⅡ (P1.2/1.5/1.8/2/2.5)

- 4200Hz high refresh rate, vivid visual experience
- Anti-collision design provides comprehensive protection to keep the LED lamp, pad, PCB from damage during delivery and splicing
- Efficient heat dissipation, 5℃ lower than conventional LED display
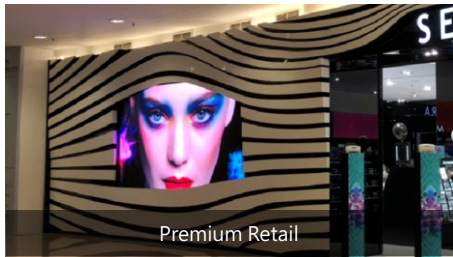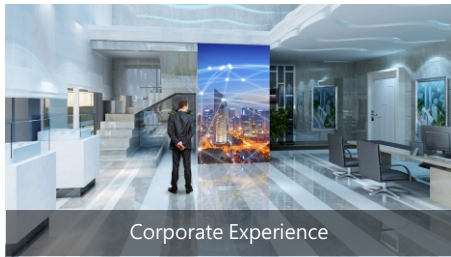- Easy real-time monitoring of operating status

UMicro
Remarkable to Every Second

- Displays more vivid and detailed content with 30000:1 super high contrast

- EDL technology for ultra-high consistency of grayscale in the low brightness environment

- Accurately present each image in its original color across 3D-LUT calibration technology

- Extremely comfortable experience enhanced by eye protection, cool screen and user-level safety design

- Utilize the most energy-efficient technology in use and standby to make every watt count

APPLICATIONS

Home Cinema

Corporate Experience

Premium Retail

Micro-pitch display with incredible 4K picture quality Unique technologies for unparalleled user experience

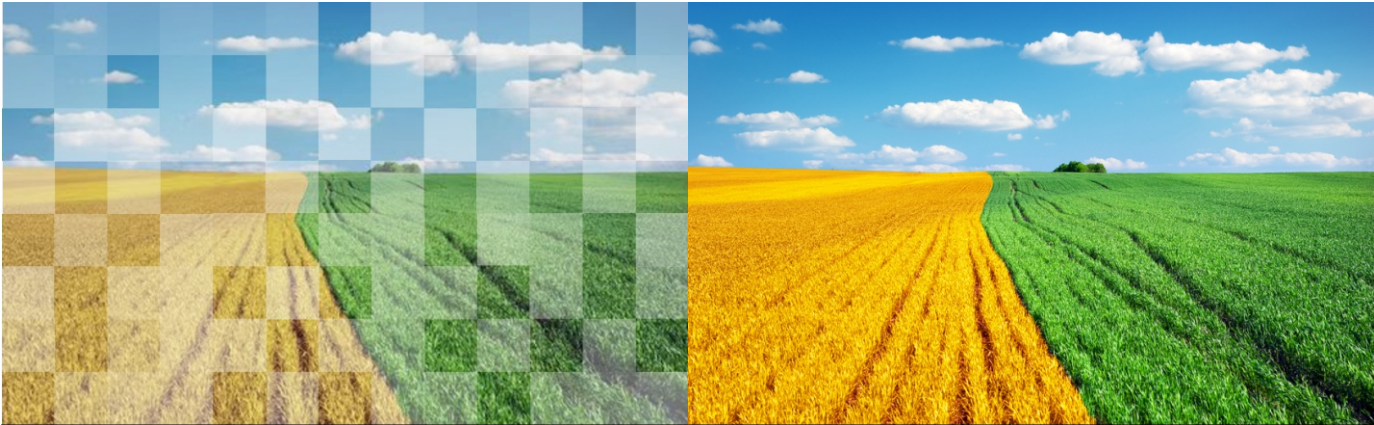| EBL | EBL+ Technology |
EDL	EDL Technology
3DL	3D LUT
	Comfortable use experience
5G	5G Transmission
	Maximum Energy-saving

Super High Contrast

UMicro adopts Unilumin's unique **EBL+(Enhance black level+) and multi-layer optical processing technology**, which can display the ultimate pure black contents with 30000:1 super high contrast

Black	Super black background		Ultra-low moiré
	30000:1 Super high contrast*		Ultra-low reflectance
	Super soft display		Ultra low touch trace

* : support

EBL+

Each Pixel Matters - Ultra-high Consistency

UMicro features **EDL(Enhance Drive Level) technology** to improve consistency of the grayscale on the display and effectively solve the heat dissipation problems of micro-pitch LED displays

| | Low temperature rise | | Ultra high consistency | | No flickering |
| | Low power consumption | | No high-contrast coupling issues |

Model	UMicro 0.4	UMicro 0.6	UMicro 0.7
Pixel Pitch	0.4mm	0.6mm	0.7mm
Pixel configuration		1R1G1B	
LED type		Fully flip chip COB	
Pixel density(pixels /m²)	4551111	2560000	1638400
Pixels per panel	1280x720	960x540	768x432
Cabinet size (WxHxD)(mm)		W600×H337.5×D40	
Ingress Protection		Rear IP50	
Service Access	Front	Cabinet: Front Module: Front /Rear	Cabinet: Front Module: Front /Rear
Brightness (cd/m²)	600cd/m²	600-1200cd/m²	600-1200cd/m²
Viewing Angle(°)		0°~180°	
Input voltage(V)		100~240 V	
Panel Weight	6.6kg	6kg	6kg
Contrast Ratio	6000:1	15000:1/30000:1	15000:1/30000:1
Input Power/Panel <Max >	≤80 W	≤65 W/≤110 W	≤60 W/≤100 W
Input Power/Panel <Avg>	≤55 W	≤38 W/≤52 W	≤35 W/≤45 W
Storage temperature & humidity(℃/RH)		-10℃~+55℃/ 10~85% RH	
Operation temperature & humidity(℃/RH)		-10℃~+45℃/ 10~80% RH	

Standard LUT

Brightness

Voltage

B

G

R

3D-LUT

R

G

B

True Color Presentation with 3D-LUT

Exact color representation is important, and 3D-LUT technology makes it possible, which allows UMicro to accurately present each image in its original color across the screen.

High-precision gamut transfer

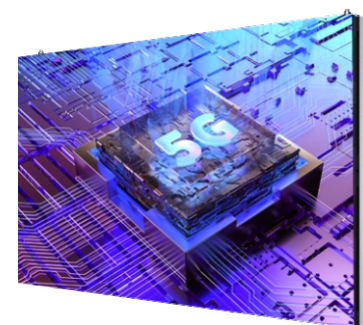DCI-P3 color gamut

High saturation

Superb Visibility with High Brightness

UMicro supports ultra-high brightness* to adapt to diverse environments, so the visual experience will not be affected, even if it is directly illuminated by bright lights.

* : support

5G Ultra-large Signal Transmission*

Streamlined Hardware Equipment

Fast Data Transmission & Large Load Capacity

UMicro utilizes 5G ultra-large signal transmission technology, which ensures the data transmission speed is four times faster than traditional LED display for larger load capacity. In addition, the hardware equipment is more streamlined to facilitate easy installation.
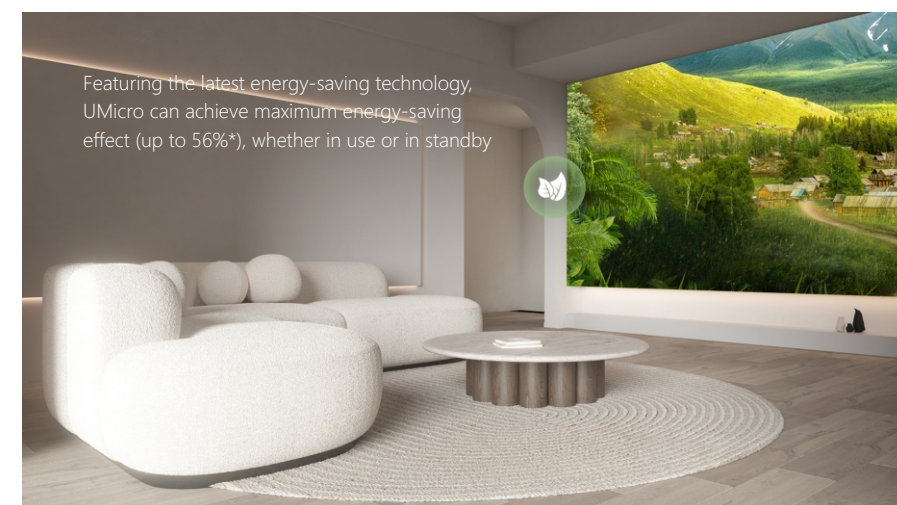
* : support

60 FPS Hz   120 FPS Hz

HD Dynamic Picture Quality Transmission

UMicro supports high frame rate applications of 120HZ which makes the display content smoother*

* : support

"Cool"Screen

UMicro adopts unique energy-efficient & heat-dissipation technology to keep a low temperature for a better user experience, even during long periods with high brightness. (E.g. With 25℃ ambient temperature, the front screen temperature of UMicro0.7 with 600nits is approx. 37℃)

Featuring the latest energy-saving technology, UMicro can achieve maximum energy-saving effect (up to 56%*), whether in use or in standby

RGB flip chip

Dynamic energy saving

Common cathode design

One-click sleep

* : UMicro 0.7 compared with conventional 0.7 pixel pitch products

Human-friendly Experience

EMC   EMC Class B

Secure Use Experience

C UL US LISTED

C UL US LISTED Certification

Qualified EMC Class B, UMicro's anti-interference is consumer level. In addition, C UL US LISTED certification provides confidence that UMicro was designed with all safety considerations while providing the most captivating imagery possible.

Comprehensive Eye Protection

TÜV SÜD

SMD

COB
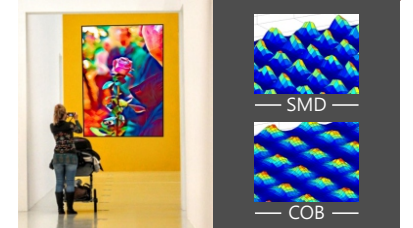
Utilizing multiple technologies to minimize health hazards caused by long-term use of the screen, UMicro has been certified by TUV Rheinland for its visual comfort display performance

Area light source design, reduce negative effects on eyes

Nano-optical materials with diffusion process ensures uniform light and filter out stray light

Best-in-class LEDs ensure less than 5% harmful blue rays.

UMiniⅢ Mini, the New Max

- Impressive viewing experience and dazzling color with 20000:1 super high contrast, 3D-LUT color gamut calibration technology
- Extremely comfortable experience enhanced by eye protection, cold screen and user-level safety design
- Energy-saving technology in use & standby
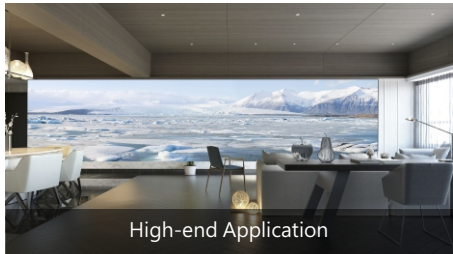- Convenient operation and maintenance

APPLICATIONS

Conference

Exhibition Hall

High-end Application

Model	UMiniⅢ 0.9	UMiniⅢ 1.1	UMiniⅢ 1.2	UMiniⅢ 1.5
Pixel Pitch	0.93mm	1.17mm	1.25mm	1.56mm
LED type	Fully flip chip COB			
Pixel density(pixels /m²)	113,7778pixels /m²	728,178 pixels/m²	640,000 pixels/m²	409,600 pixels/m²
Panel Resolution	640 × 360	512 × 228	480 × 270	384 × 216
Panel Size (W × H × D)	W600×H337.5×D40			
Brightness	600-1200cd/m²			
Viewing Angle (H/V)	0~180°			
Service Access	Cabinet: Front Module: Front /Rear			
Ingress Protection	Rear IP50			
Input voltage(V)	AC 100 ~ 240V			
Panel Weight	6kg			
Contrast Ratio	10000:1/20000:1	10000:1/20000:1	10000:1/20000:1	10000:1/20000:1
Input Power/Panel <Max >	≤70 W/≤100 W	≤55 W/≤85 W	≤52 W/≤80 W	≤48 W/≤75 W
Input Power/Panel <Avg>	≤45 W/≤55 W	≤35 W/≤45 W	≤32 W/≤40 W	≤30 W/≤38 W
Operation temperature & humidity(°C/RH)	-10°C~+45°C/ 10~80% RH			
Storage temperature & humidity(°C/RH)	-20°C~+55°C/ 10~85% RH			

EBL+
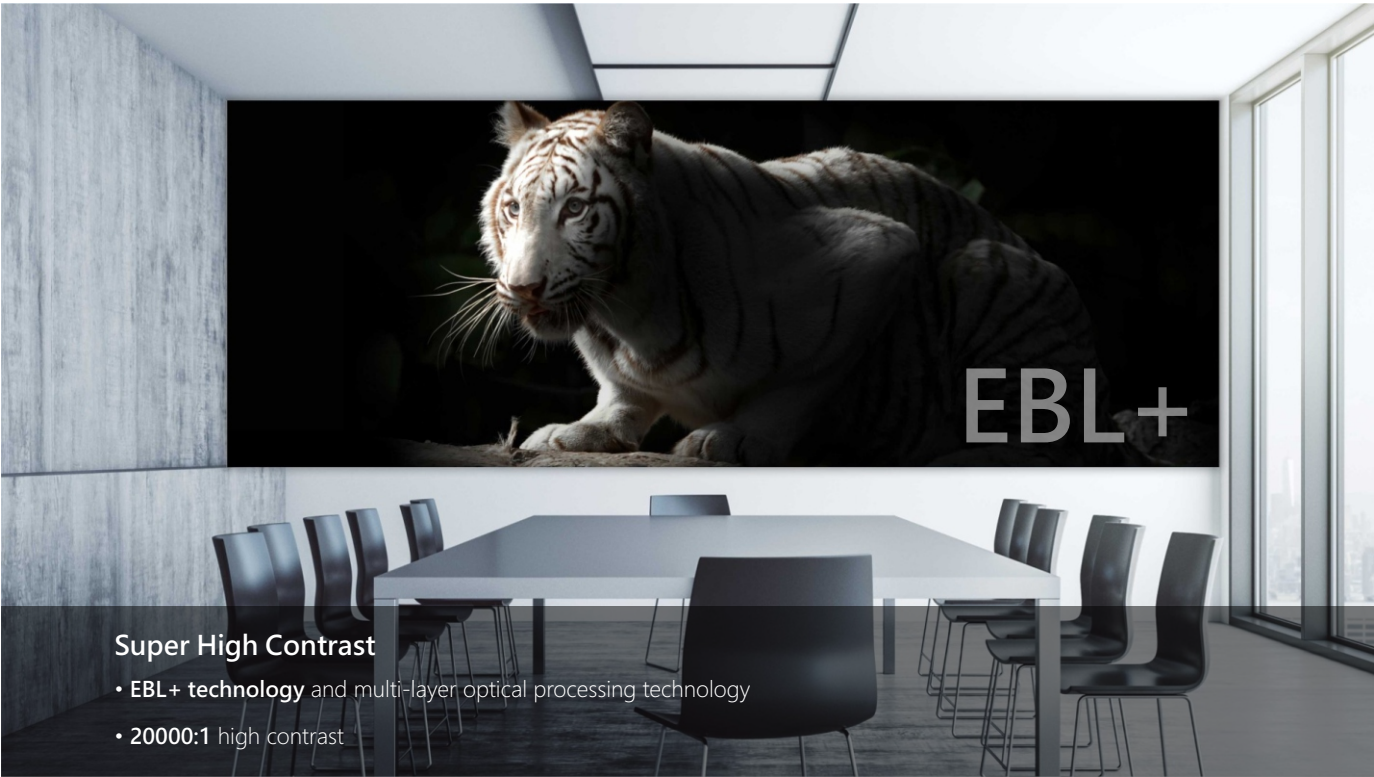
Super High Contrast
- **EBL+ technology** and multi-layer optical processing technology
- **20000:1** high contrast

Ultra-high Consistency Effect

Low temperature rise   Ultra high consistency

No flickering   No high-contrast coupling issues

Low power consumption

Low Power Consumption

UMiniⅢ adopts the latest energy-saving technology, it can achieve maximum energy-saving effect whether in use or in standby

RGB flip chip   Dynamic energy saving

Common cathode design   One-click sleep

All-round Protection

3H protection   Dust-proof   Moisture-proof

UMini W

Brand New Mini Product

- EBL+: Contrast up to 12000:1 | 800nits

- Only 4kg weight and 29.6mm thickness per cabinet, easy and efficient transportation and installation

- Comprehensive eye protection with fewer blue ray hazards

- Maximum energy-saving performance, comfortable cool screen experience

- Ultra-high level of protection, greatly reduce damages caused by collision and harsh environments

- Flexible design possibilities of curving, corner, and half-size panel

APPLICATIONS

Public Space

Meeting Room

Control Room

Model	UMiniW 0.7	UMiniW 0.9	UMiniW 1.2	UMiniW 1.5	UMiniW 1.8
Pixel Pitch	0.7mm	0.9mm	1.2mm	1.5mm	1.8mm
Material	Die-cast Aluminum				
Pixel density(pixels /m²)	1,638,400pixels /m²	1,137,778pixels /m²	640,000pixels /m²	409,600pixels /m²	284,444pixels /m²
Panel Resolution	768 × 432	640 × 360	480 × 270	384 × 216	320 × 180
Panel Size (W × H × D)	600×337.5×29.8mm				
Brightness	600cd/m³ (Max 800cd/m³)				
Service Access	Full front				
Ingress Protection	Front IP65(Module)				
Input voltage(V)	AC 100 ~ 240V				
Panel Weight	4.3±0.3kg				
Contrast Ratio	10000:1				
Input Power/Panel <Max >	48W, @600nits	60W, @600nits	52W, @600nits	48W, @600nits	48W, @600nits
Input Power/Panel <Avg>	24W, @600nits	42W, @600nits	29W, @600nits	25W, @600nits	27W, @600nits
Operation temperature & humidity(°C/RH)	-10°C~+45°C/ 10~80% RH				
Storage temperature & humidity(°C/RH)	-40°C~+60°C/ 10~90% RH				

EBL (Enhance black level) Multilayer optical processing technology

- Ultimate pure black contents with **12000:1** super high contrast under **800nits** brightness
- Ultra low reflective and touch trace

Green Energy Saving
RGB full flip-chip and common cathode design with larger light-emitting area and lower power consumption

Maximum power consumption: 295W/SQM
Average power consumption : 175W/SQM

*based on testing data of P1.2mm

Convenient Installation
- Full front maintenance   • Cabless module

Multiple Protection

 Moisture-proof   Dust-proof
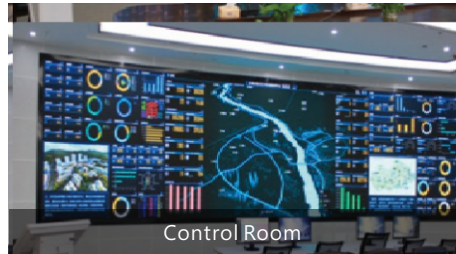
 Anti-static   Anti-collision

UpanelⅡ MIP
Illuminate Your Vision with Unrivaled Clarity

reddot award 2019 winner

iF DESIGN AWARD 2020

- 800nits+7680Hz+21bit: Visual feast
- EBL+ Patented Technology: Brings a higher contrast ratio, displaying more details
- Excellent side view color consistency: Vivid images
- Ultra Energy Saving: Common Cathode & Flip-Chip LED (CCF)
- EBL+ 3+7 protections: Resilient and Durable
- Cabinets Cableless Connection: Stable signal transmission
- Additional Protections*: Overcurrent and short circuit protection functions are optional for ultimate protection
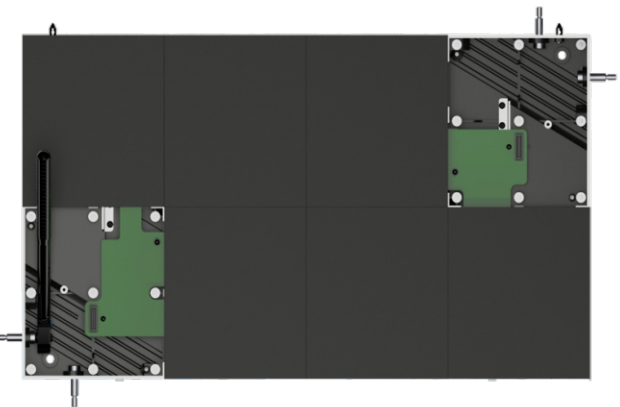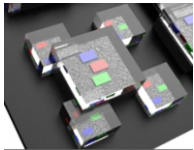
APPLICATIONS

Conference Room

Broadcast

Control Room

Clean Visuals and Lifelike Color

Modules

- Common Cathode & Full flipped chips (CCF)*
- Module cordless connection with HUB

68mm
610mm
343mm

UNI

LCD information screen

Delicate cabinet design
- LCD monitor displaying Power & Signal status
- User friendly handle design
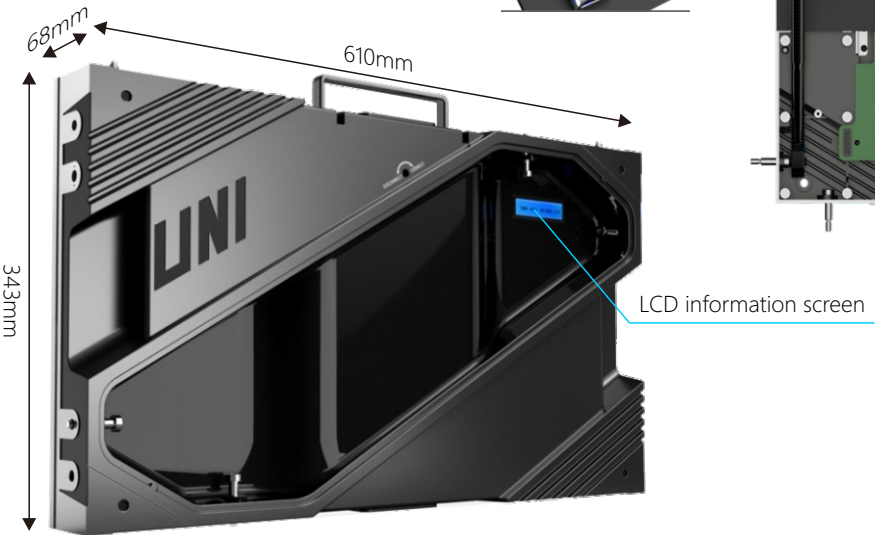
*Except UpanelⅡ 2.5

Cordless connection between cabinets

Power and Signal connector
- Stable transmission
- Mess-free

Power and Signal Connector extended

Images simulated for illustrative purposes, not actual installation process

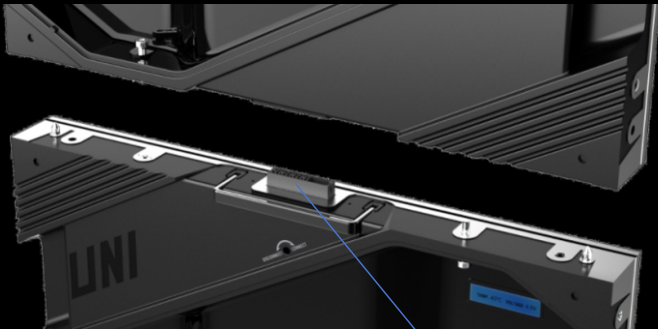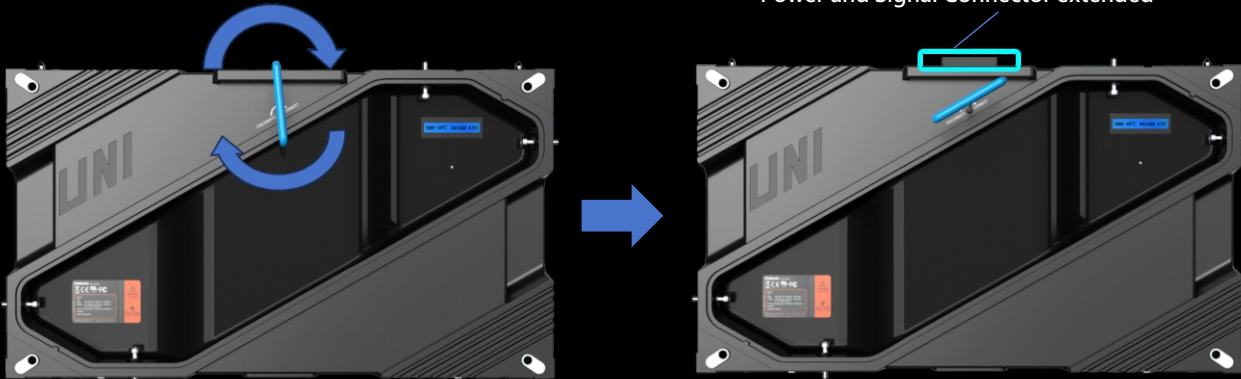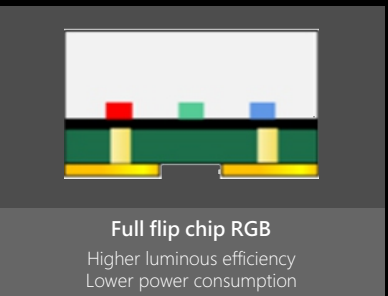| Model	UpanelⅡ0.9 MIP	UpanelⅡ1.2 MIP	UpanelⅡ1.5 MIP
Pixel Pitch	0.953mm	1.27mm	1.5mm
Pixel Density	1,101,068pixels/m²	620,001pixels/m²	396,550pixels/m²
Panel Resolution	640 × 360 pixels	480 × 270pixels	384 × 216pixels
Panel Size (W×H×D)	609.92×343.08×68mm		
Material	Die-cast Aluminum		
Brightness	800 cd/m²		
Service Access	Front		
Viewing Angle(°)	160°/155°		
Input voltage(V)	100~240 V		
Panel Weight	7 kg		
Contrast Ratio	10000:1		
Input Power/Panel <Max/Avg>	75/40 W	65/35 W	50/25 W
Storage temperature & humidity(°C/RH)	-20°C to 55°C/10% - 85% RH		
Operation temperature & humidity(°C/RH)	-10°C to 45°C/10% - 80% RH		

MIP Technology Advantages

- **Micro chip package**: pixel-level binning, significantly enhances large viewing angle/ black and white screen consistency and uniformity.

- **Common Cathode & Flip-Chip (CCF)**, ultra-high stability, high luminous efficiency, low power consumption. Saves around 40%-60% compared with traditional SMD.

- **COB optical processing** with surface light source, better eye care.

COB surface Process
Surface light source

RGB Pixel

< 90 µm

Micro LED
LED chip unilateral length < 90 µm

Pixel level light color mixing bin
Better consistency from wide viewing angle

Full flip chip RGB
Higher luminous efficiency
Lower power consumption

Excellent Visual Performance

- Deep black
- Low Moiré
- Anti-glare
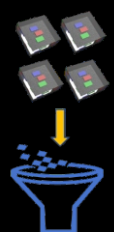- Anti-reflections
- Soft display
- Low touch marks
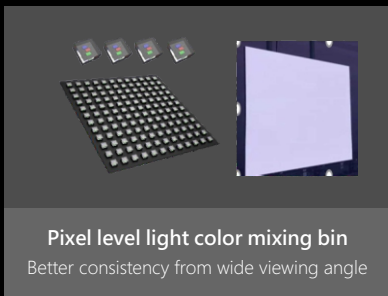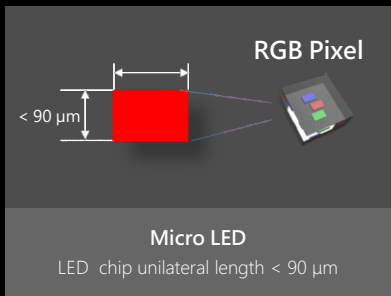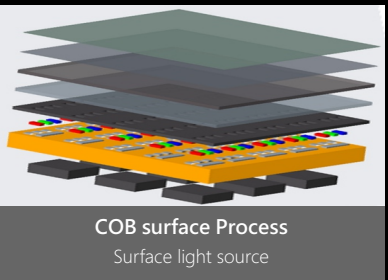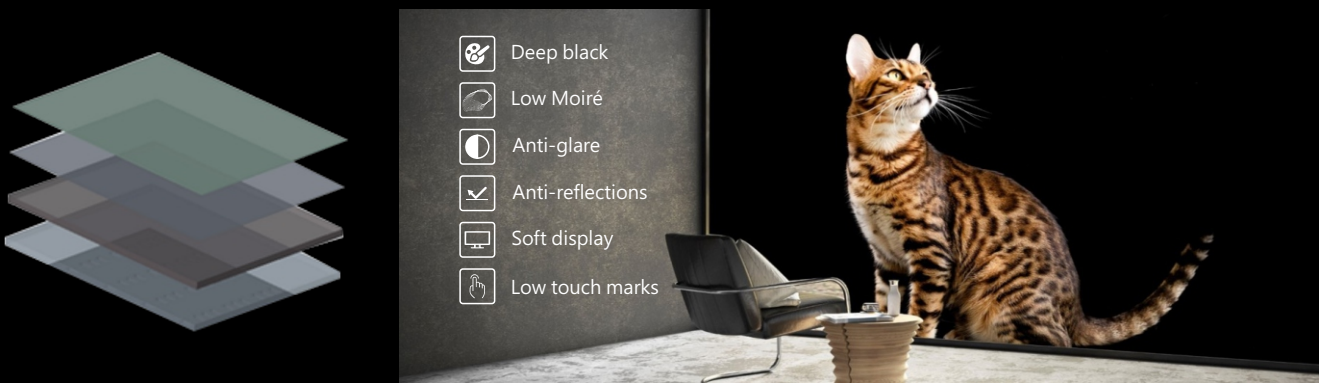
EBL+ (Enhance black level+) Multiple optical Processing

Adopt multilayer nano-optical material, high contrast ratio, presenting extremely deep black visual with no reflections

Ultra-high consistency over 99%

- Self-developed package
- Pixel-level binning

Wide viewing angle without color cast

- 180° horizontal wide viewing angle

Brilliant performance

- High contrast ratio
- 7680Hz Refresh rate*
- Support HDR display*
- Support low scan rate*

*optional

Globally Certified
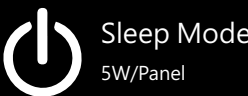
TÜVRheinland®
Precisely Right.

Low blue light certification

Prüfzeichen *Test Mark:*

Low Blue Light
(Software
Solution)

TÜVRheinland®
CERTIFIED
www.tuv.com
ID 1111277___0

One-Button Control (Optional)
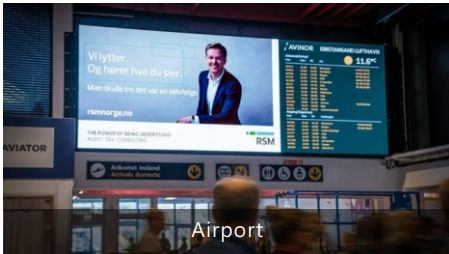
Sleep Mode
5W/Panel

ULWⅢ Pro

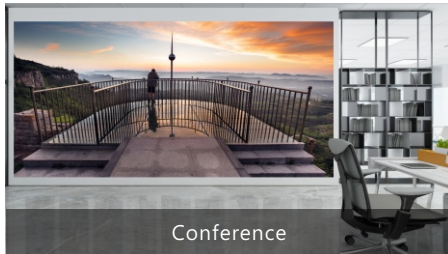## First Automatic Production NPP LED Display

- Automatic production ensures high quality and affordability
- Premium viewing experience
- Ultra stable operation
- Unlock creative installation style with flexible design
- Intelligent management system

APPLICATIONS

Airport

Conference

Showroom

Automatic Production Ensures High Quality and Affordability

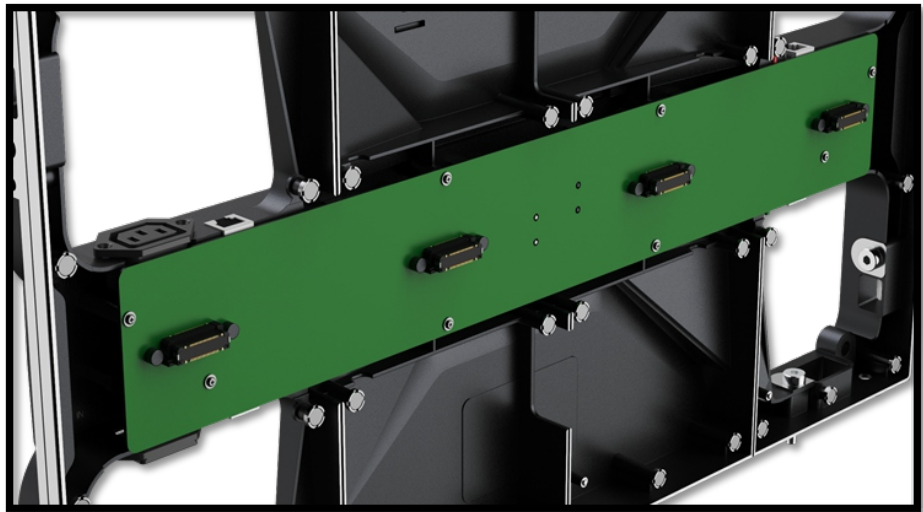| 400,000m²
Global largest LED manufacturing base

|5,000+ Employees
Bachelors over 90%

|Smart Factory
Certified by CNAS (Code L6507)

Perfect Screen Flatness

Front & rear XYZ axis adjustment available

High Integration Design

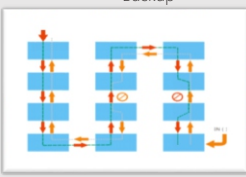Increased signal transmission stability of receiving card and the hub card

Efficient Heat Dissipation

- Half Hollowed & Wave Design for bigger heat dissipation area
- Contact thermal conductance accelerates heat dissipation

Ultra Stable Operation

Power supply
Backup
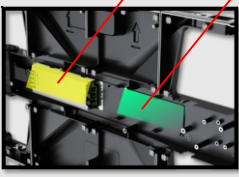
Dual Guarantee Guard Mission-critical Event

Signal supply backup

Power supply backup

Model	ULWⅢ Pro 0.9	ULWⅢ Pro 1.2	ULWⅢ Pro 1.5	ULWⅢ Pro 1.8	ULWⅢ Pro 2.5
Pixel Pitch	0.9mm	1.25mm	1.5mm	1.8mm	2.5mm
Pixel Density	1,137,777pixels /m²	640,000pixels /m²	409,600pixels /m²	284,445pixels /m²	160,000pixels /m²
Pixels Per Panel	640×360pixels	480×270pixels	384×216pixels	320×180pixels	240×135pixels
Panel Size (W×H×D)	600×337.5×47.8mm				
Material	Die-cast Aluminum				
Brightness	600 cd/m²				
Ingress Protection	Rear IP30				
Service Access	Front and Rear				
Viewing Angle(°)	160°/160°				
Input voltage(V)	100~240 V				
Panel Weight	5 kg				
Contrast Ratio	5000:1				
Input Power <Max>	700W/m²	600W/m²	500W/m²	475W/m²	425W/m²
Input Power <Avg>	234W/m²	200W/m²	167W/m²	158W/m²	142W/m²
Storage temperature & humidity(℃/RH)	-20℃~+60℃/ 10~85% RH				
Operation temperature & humidity(℃/RH)	-10℃~+40℃/ 10~80% RH				

ULWⅢ MIP Pro

First Automatic Production NPP LED Display

- Automatic production ensures high quality and affordability
- Premium viewing experience
- Ultra stable operation
- Unlock creative installation style with flexible design
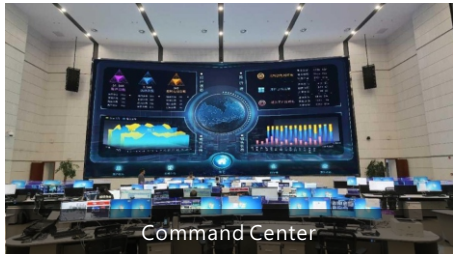- Intelligent management system
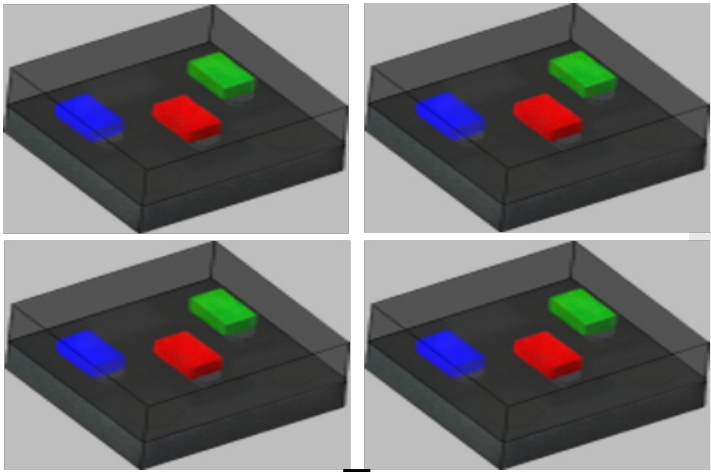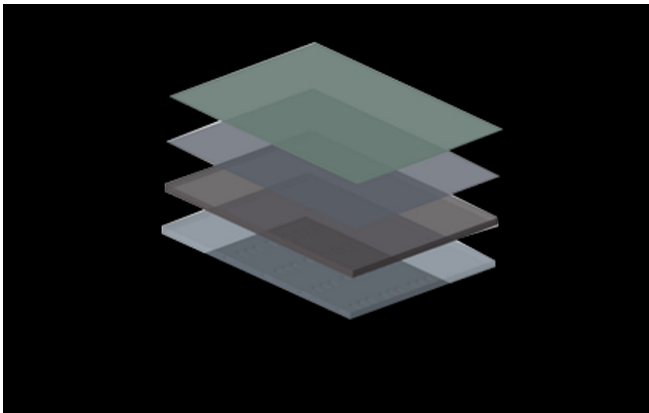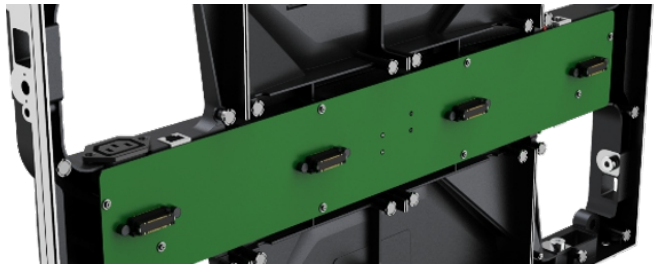
APPLICATIONS

Meeting Room

Summit Forums

Command Center

Chip Level Package
- Pixel-level binning
- High consistency over 99%
- 180° wide viewing angle without color cast

EBL+ Patented Surface Process
- Multi-layer nano-optical Processing technology
- Pure black | Soft display
- Low reflection
- Low touch trace | Low Moiré

Full Flip Chip MIP
- No welding wire, high stability and longer life-span
- RGB full flip chip, reliability increased by 50%
- Common cathode energy-saving design, higher light efficiency

3+7 Strong Protection

Anti-collision
Anti-moiré
Anti-splash
Anti-moisture
Anti-bump
Anti-salt mist
Anti-statics
Anti-scratch
Anti-mildew
Anti-dust

Model	ULWⅢ MIP Pro 0.9	ULWⅢ MIP Pro 1.2	ULWⅢ MIP Pro 1.5
Pixel Pitch	0.9mm	1.2mm	1.5mm
Panel Size (W×H×D)	600×337.5×47.8mm	600×337.5×47.8mm	600×337.5×47.8mm
Brightness	600-800 cd/m²	600-800 cd/m²	600-800 cd/m²
Maintenance	Front and rear maintenance	Front and rear maintenance	Front and rear maintenance
Fault monitoring	Indicator light, LCD *	Indicator light, LCD *	Indicator light, LCD *
Weight	5kg/panel		
Contrast Ratio	6000:1/8000:1		
Input Power<Max>	350±10%W/m²	275±10%W/m²	250±10%W/m²
Input Power<Avg>	115±10%W/m²	90±10%W/m²	80±10%W/m²

U-Natural

Texture Series

**Turn off the Display
Turn on the Art**

Amazing

Invisible Innovative
Multicolored **Artistic** Decorative

STANDARD TEXTURE PATTERN

Provide diversified design of surface texture effects

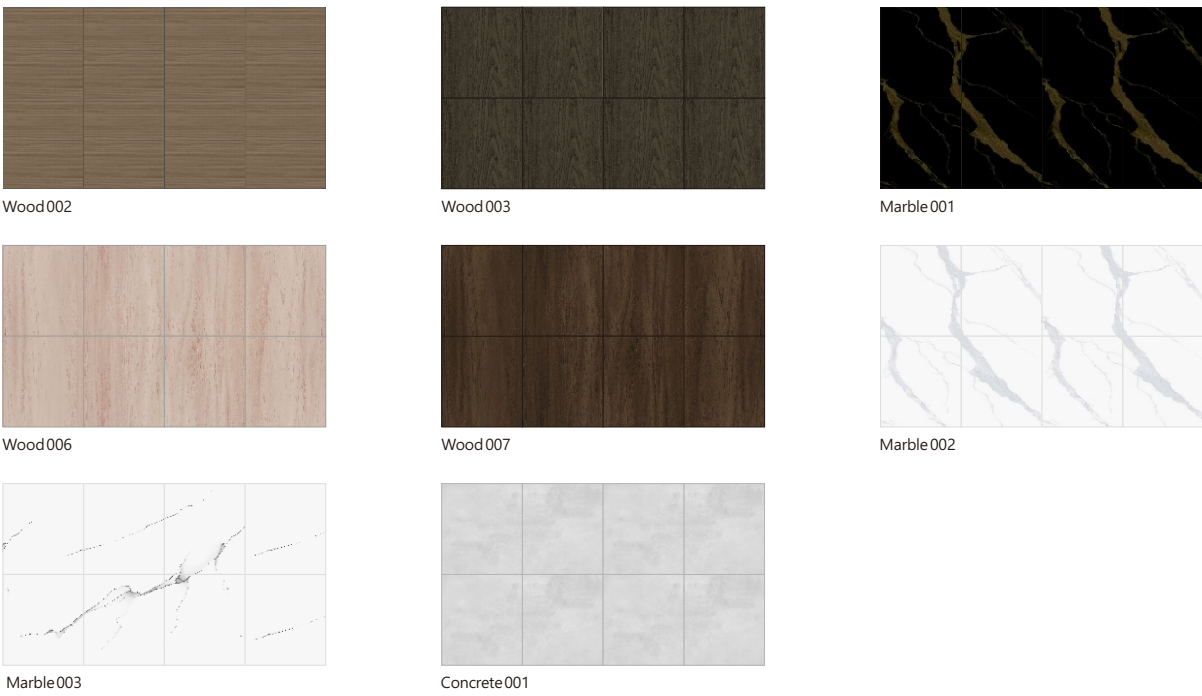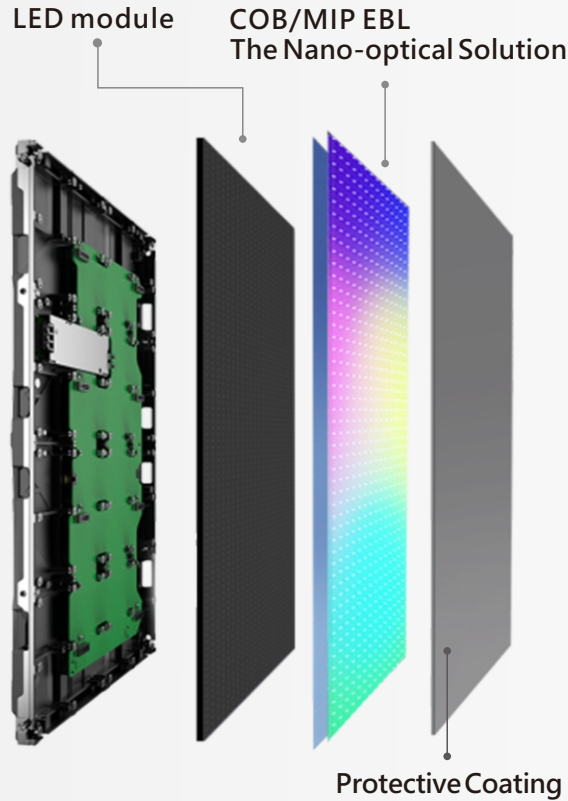Through Unilumin's patented micro-nano optical design, processing, and material solutions, U-Natural achieves an effect of screen-off textured decoration based on COB/MIP products without affecting normal display performance.

Wood 002

Wood 003

Marble 001

Wood 006

Wood 007

Marble 002

Marble 003

Concrete 001

LED module   COB/MIP EBL
The Nano-optical Solution

Protective Coating

U-Natural

The nano- optical layer is natively integrated with Unilumin's COB/MIP technology.

3H	110°	0.5%
Scratch-resistant	Dust-proof	Low Reflectivity

▶ Scratch-resistant

HARD

6B 5B 4B 3B 2B B HB F H 2H **3H** 4H 5H 6H

SOFT   Compared with the conventional COB products that only maintain a surface hardness of HB-2H.
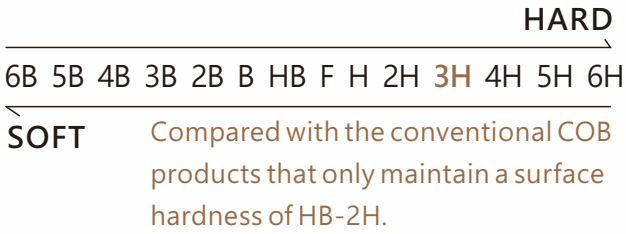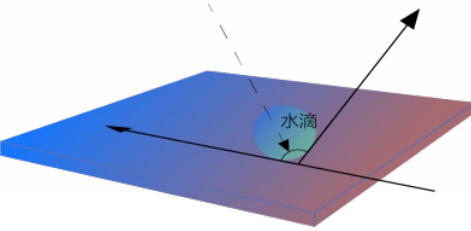
The surface hardness of 3H means that the film surface can resist scratching by a 3H - hardness pencil with a force of 1 kg applied at an angle of 45 degrees.

▶ Dust-proof

Water Contact Angle ≥ 110°

水滴

It indicates that the product has excellent hydrophobic and dustproof performance.

Low Reflectivity

Note: When light enters the surface of the module vertically, only 0.5% of the light is reflected.

High Reflective Effect | Low Reflective Effect
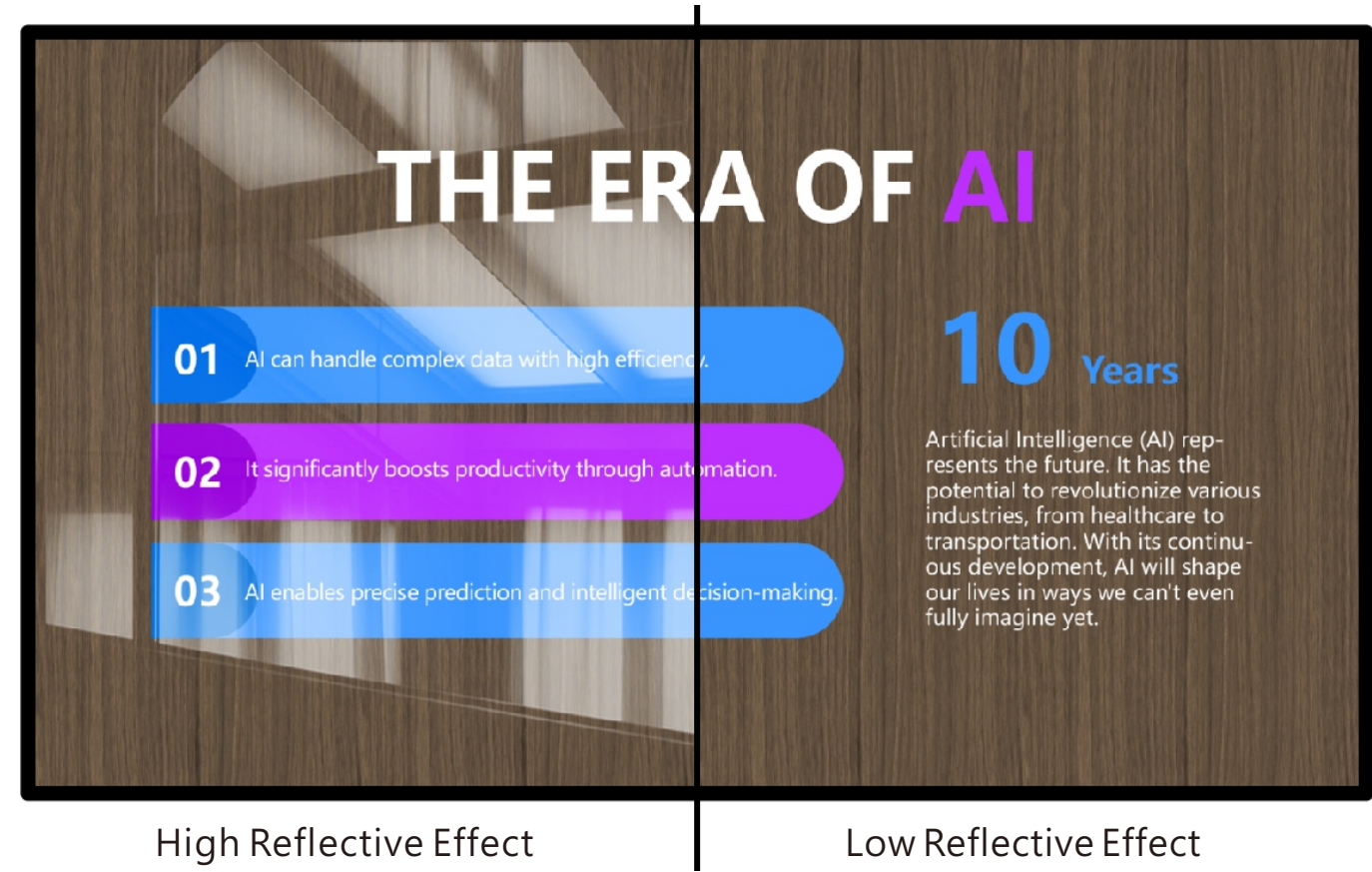
Seamless Mapping

It can make the texture connection relatively natural and bridge the physical separation.
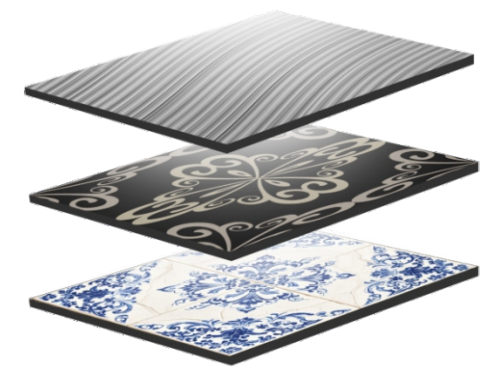
Customize Your Pattern Texture

Customizable tile patterns are available with the size of the module as the unit.

The scope of customization needs to be confirmed with Unilumin's R & D department.

APPLICATION SCENARIO

—

Space Decoration

Club

Reception Desk
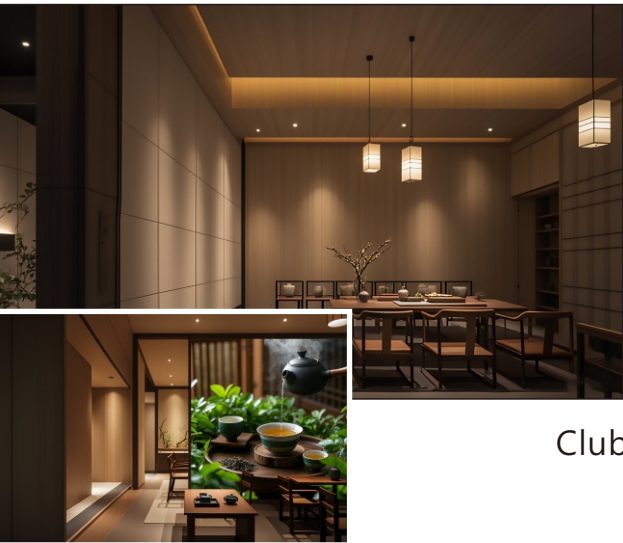
Screen Wall

Coffeehouse

Restaurant

Uslim S2

Indoor Ultra-thin Double-side LED Display

- Double-side independent display
- Impressive viewing experience
- Anti-loosing design on components & anti-falling design on module
- Support power delayed start
- Common cathode design & one-click sleep mode for energy-saving
- Half the thickness of conventional double-side display
- Self-locking for fast splicing, support hanging and stacking installation
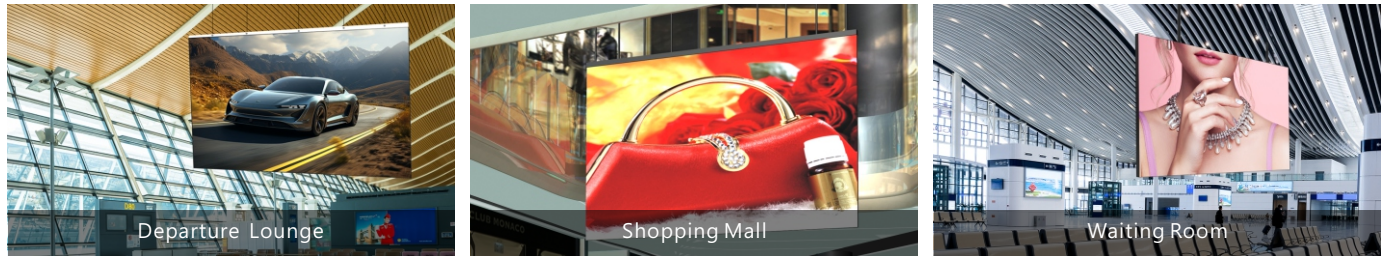
APPLICATIONS

Departure Lounge

Shopping Mall

Waiting Room

Double-sided High-definition Display

Display independently
- Different pixel pitch
- Different content
- Different brightness

High-performance display
- 800-3000 nits
- 3840-7680Hz high fresh rate

Double-sided High-definition Display
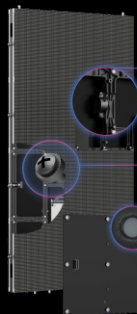
Anti-falling design

Anti-vibration design

Anti-dust design

Ultra-light and Ultra-thin

Uslim S2

48.2mm Thickness — 44% thinner

23kg/㎡ Weight — 43% lighter

Conventional Indoor LED

> 80mm Thickness

> 40kg/m² Weight

Single person installation:
Self-locking for fast splicing
Support hanging and stacking installation

Energy Saving

34% consumption less than conventional products
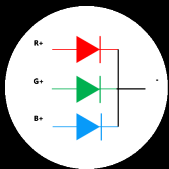
Common cathode design
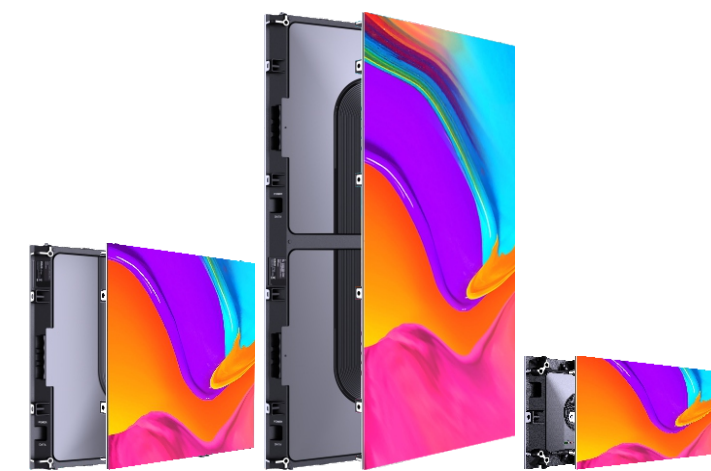
One-click sleep mode 10W/m²

1000 nits, light up for 18 hours, conventional product (500W/m²), Uslim S2 (330W/m²)

Model	Uslim S2 1.8	Uslim S2 2.5	Uslim S2 3.9
Pixel Pitch	1.85mm	2.5mm	3.9mm
Pixel Density	291,600 dots/m²	160,000 dots/m²	65,535 dots/m²
Panel Resolution	270 x 540 dots	200 x 400 dots	128 x 256 dots
Color Temperature	2,000-9,300 K Adjustable		
Material	Die-cast Aluminum		
Brightness	1000 cd/m² (Common cathode) | 800 cd/m² | 3000 cd/m²	1000 cd/m² (Common cathode) | 800 cd/m² | 3000 cd/m²	1000 cd/m² (Common cathode) | 800 cd/m² | 3000 cd/m²
Service Access	Front		
Viewing Angle(°)	160°/160°		
Input voltage(V)	100~240 V		
Panel Weight	11.5kg		
Contrast Ratio	5000:1(Common cathode) | 5000:1 | 3000:1		
Input Power <Max>	350 W/m² (Common cathode) | 430 W/m² | 500 W/m²	350 W/m² (Common cathode) | 450 W/m² | 450 W/m²	350 W/m² (Common cathode) | 440 W/m² | 450 W/m²
Input Power <Avg>	117 W/m² (Common cathode) | 143 W/m² | 167 W/m²	117 W/m² (Common cathode) | 150 W/m² | 150 W/m²	117 W/m² (Common cathode) | 147 W/m² | 150 W/m²
Storage temperature & humidity(°C/RH)	-20°C to 55°C/10% - 85% RH		
Operation temperature & humidity(°C/RH)	-10°C to 45°C/10% - 80% RH		

Uslim II

Ease of Creation with Standard Product
—Visualization Reinvented in Commercial Spaces

- Impressive viewing experience
- Intelligent operation & maintenance control
- Various creative shapes
- User-friendly design

APPLICATIONS

Shopping Mall

Retail

Showroom

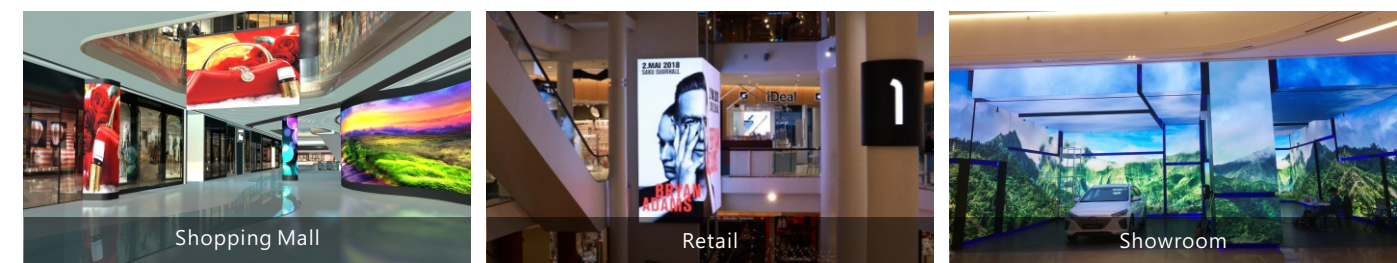| Model	Uslim II 1.5	Uslim II 1.8	Uslim II 2.5	Uslim II 3.2	Uslim II 3.9	Uslim II 4.8
Pixel Pitch	1.56mm	1.85mm	2.5mm	3.21mm	3.91mm	4.8mm
Pixel Density	409,600 dots/m²	291,600 dots/m²	160,000 dots/m²	97,344 dots/m²	65,536 dots/m²	43,264 dots/m²
Panel Resolution	320×160/320×320/ 320×640 dots	270×135/270×270/ 270×540 dots	200×100/200×200/ 200×400 dots	156×78/156×156/ 156×312 dots	128×64/128×128/ 128×256 dots	104×52/104×104/ 104×208 dots
Color Temperature	2,000-9,300 K Adjustable					
Material	Die-cast Aluminum					
Brightness	800 cd/m²	1,000 cd/m²	1,000 cd/m²	800 cd/m²	800 cd/m²	800 cd/m²
Service Access	Front & Rear					
Viewing Angle(°)	160°/160°					
Input voltage(V)	100~240 V					
Panel Weight	3.2/5.6/10.5kg					
Contrast Ratio	5,000 : 1					
Input Power <Max>	500 W/m²	450 W/m²	500 W/m²	430 W/m²	420 W/m²	420 W/m²
Input Power <Avg>	166 W/m²	150 W/m²	167 W/m²	143 W/m²	140 W/m²	140 W/m²
Storage temperature & humidity(°C/RH)	-20°C to 55°C/10% - 85% RH					
Operation temperature & humidity(°C/RH)	-10°C to 45°C/10% - 80% RH					

UOS System-Double Brightness & Double Contrast Effect

Normal HDR   Dynamic HDR
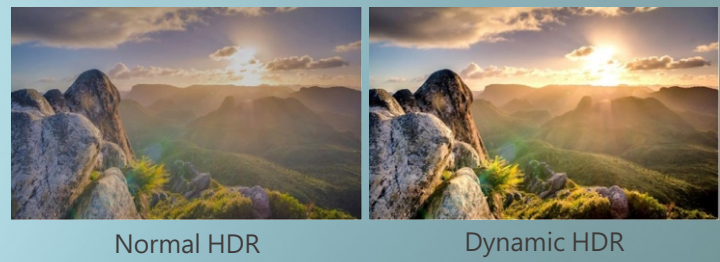
The UOS system supports doubling the peak brightness and doubling the contrast through intelligent recognition of the screen without changing the electric current of the entire screen. The contrast between the brightness and darkness of the screen is more prominent and the colors are more vivid.

UOS System-Ultra High Definition Display

Normal LED Screen   LED Screen with UOS System

Note : Optional Function
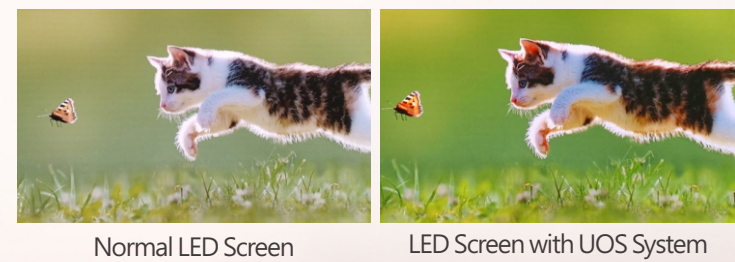
The UOS system not only supports HDR effects, but also has the function of transforming ordinary SDR video sources into HDR display effects which greatly saving costs.
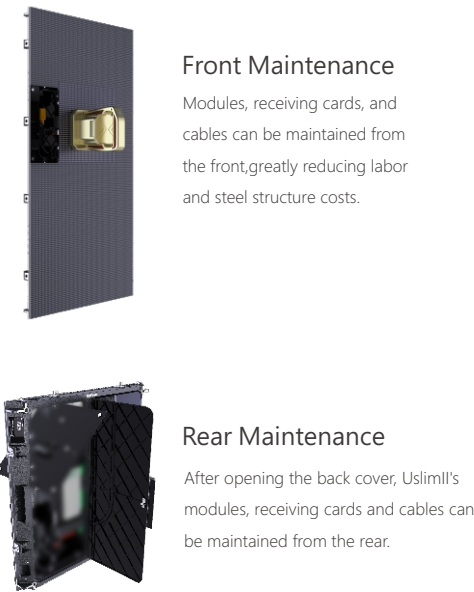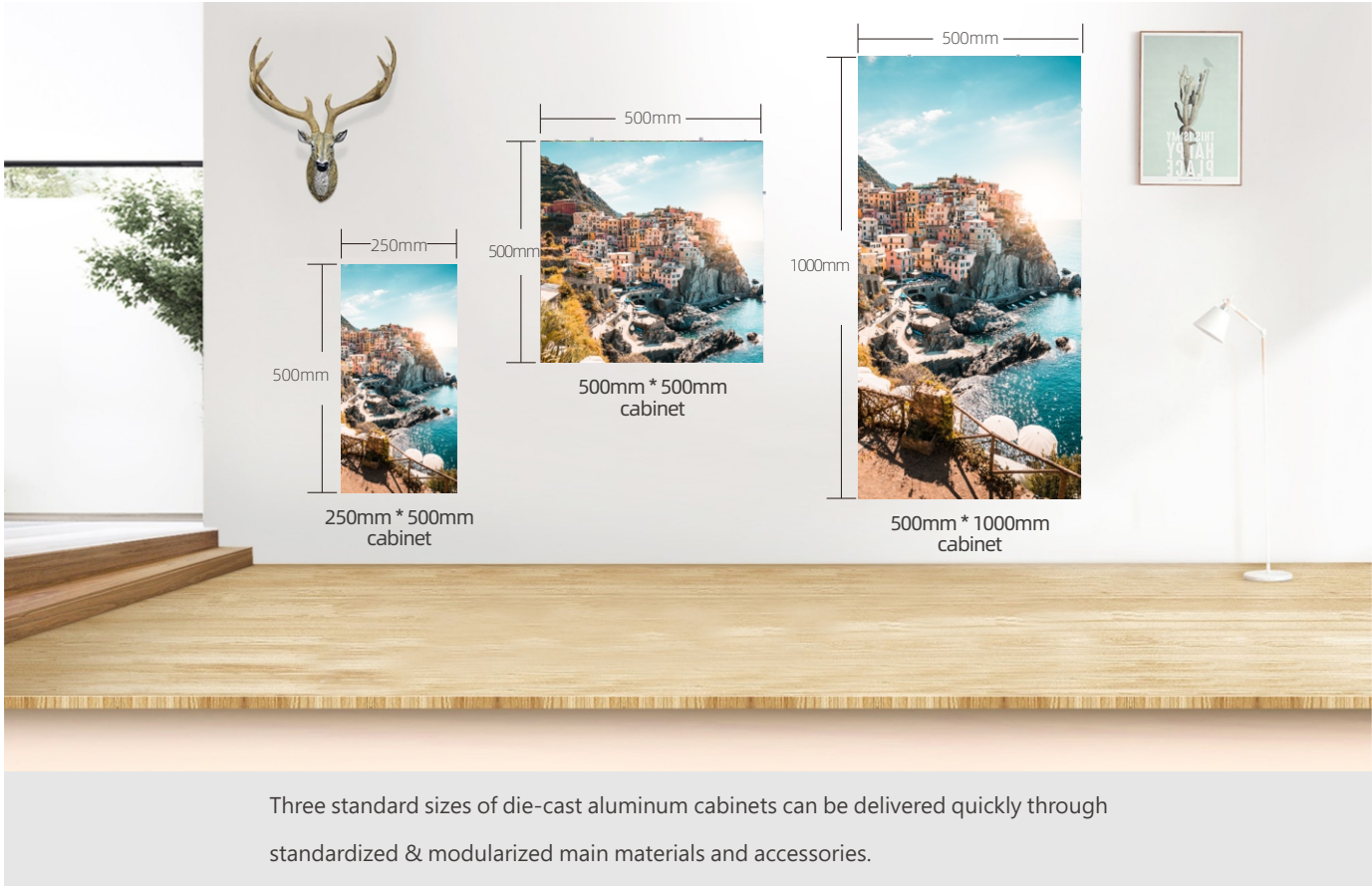
Various Creative Shapes

Round-corner Square Cylinder

Mixed Splicing

90° Right Angle

Cylinder

Concave & Convex

Unlock Possibilities—Same Module for UslimII & UHF

Standardized Cabinet

500mm

500mm

250mm

500mm

500mm

1000mm

500mm

250mm * 500mm
cabinet

500mm * 500mm
cabinet

500mm * 1000mm
cabinet

Three standard sizes of die-cast aluminum cabinets can be delivered quickly through standardized & modularized main materials and accessories.

Ultra Slim & Light Design

10.4mm Thinner
2.0KG Lighter

< Average

No need to add additional load-bearing structure, which can effectively reduce installation costs.

Front and Rear Maintenance Access

Front Maintenance

Modules, receiving cards, and cables can be maintained from the front,greatly reducing labor and steel structure costs.

Rear Maintenance

After opening the back cover, UslimII's modules, receiving cards and cables can be maintained from the rear.

500mm*250mm
cabinet

250mm*500mm
cabinet

The 500mm * 250mm cabinet is integrated horizontally and vertically to supplement the height and width of the 250mm size.
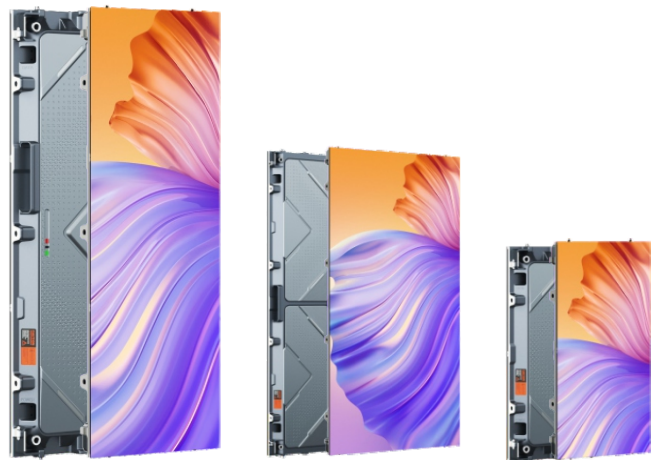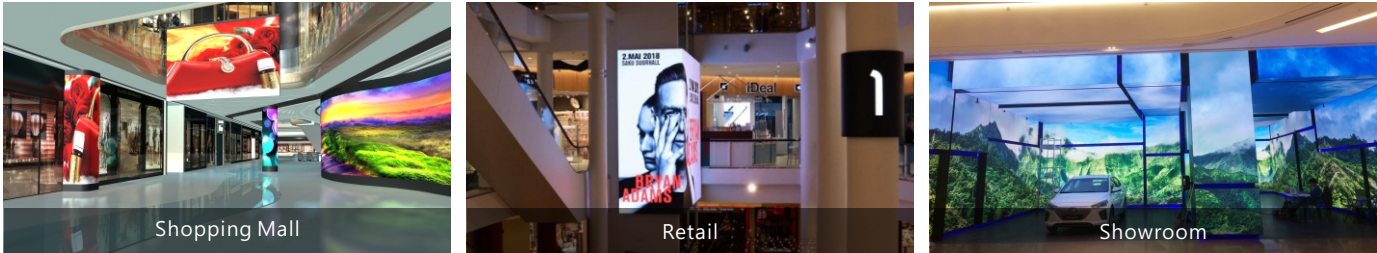
Uslim Ⅲ

Integrated & Creative Indoor LED Display
—Unlock Visions, Unleash Creativity

- Versatile Brightness Options: Ideal for indoor and semi-outdoor use
- Smooth Viewing: 5760Hz refresh rate for an impressive experience
- Convenient Access: Front & rear installation/maintenance
- Integrated Design: Resilient and stable
- Customizable Splicing: Flexible and creative configurations
- Dust-Resistant Surface: Ensures clarity and performance
- Support HDR: Restores video effects for enhanced visuals*

APPLICATIONS

Shopping Mall

Retail

Showroom

	SMD Standard				SMD Semi-outdoor		
Model	UslimⅢ 1.5	UslimⅢ 1.9	UslimⅢ 2.5	UslimⅢ 3.9	UslimⅢ 1.9	UslimⅢ 2.5	UslimⅢ 3.9
Pixel Pitch	1.5mm	1.9mm	2.5mm	3.9mm	1.9mm	2.5mm	3.9mm
Cabinet Size	500×1000×40 mm / 500×500×40 mm / 250×750×40 mm / 250×500×40 mm						
Weight	10.5/4.5/3.5kg per panel						
Brightness	800 cd/m²	900 cd/m²	1000 cd/m²	1000 cd/m²	3500 cd/m²	3500 cd/m²	3500 cd/m²
Contrast Ratio	5000:1	5000:1	5000:1	5000:1	3000:1	3000:1	3000:1
Refresh Rate	5760Hz	7680Hz	7680Hz	7680Hz	5760Hz	7680Hz	7680Hz
Input Power <Max>	480W/㎡	460W/㎡	450W/㎡	440W/㎡	460W/㎡	460W/㎡	480W/㎡
Input Power <Avg>	160W/㎡	154W/㎡	150W/㎡	147W/㎡	154W/㎡	154W/㎡	160W/㎡
Maintenance	Module: Front & Rear, Cabinet: Front						
Standard Mounting Configuration	Concave and Convex, Round Shape, Corner Shape, Cube						

Multi-function Screen

>> <<

Three Cabinet Sizes
500*1000/250*750/250*500mm

Free Splicing
Support 90° cabinet rotation

Indoor & Outdoor Brightness
Indoor: 800~1000nit
Outdoor: 3500nit

Multi-installation
Hanging
Stacking
Wall-mounting

Front & Rear maintenance

Cable-less Connection

Easy Assemble/Disassemble — Hard-wired Module

2-in 1 Design & More Stable — Receiving Card & Hub Integrated Design

Stable Transmission — Hard-wired Hub Cards

Safe and Convenient — Hard-wired PSU

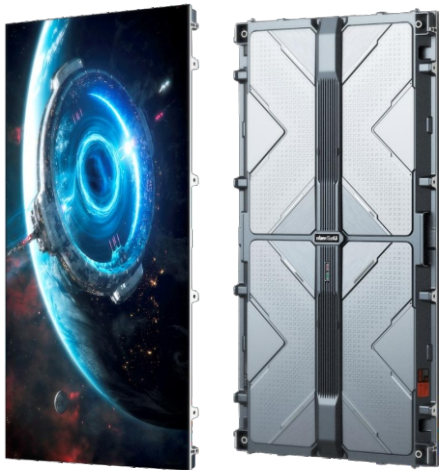## Visual Performance – Module Dust Resistant

UslimIII — Others

Screen stay as brand-new overtime

A layer of dust on the surface overtime

UslimⅢ MIP

Creative LED Display
For Indoor & Semi-outdoor

- Three standard sizes of cabinets for different creative shapes such as round-corner square, wave concave and convex arcs, etc.

- EBL+ Patented Technology: Brings a higher contrast ratio of 8,000:1, displaying more details

- EBL+ & 3+6 Protections: Resilient and Stable

- Ultra Energy Saving: Common Cathode & Flip-Chip LED (CCF)

- Surface Light Source: Better Protections for eyes

APPLICATIONS

| Airport | Shopping Mall | For Semi-outdoor Use |

	MIP Standard			MIP Semi-outdoor	
Model	UslimⅢ 1.5	UslimⅢ 1.9	UslimⅢ 2.5	UslimⅢ 1.9	UslimⅢ 2.5
Pixel Pitch	1.5mm	1.9mm	2.5mm	1.9mm	2.5mm
Cabinet Size	500×1000×40 mm / 500×500×40 mm / 250×750×40 mm / 250×500×40 mm				
Weight	10.5/4.5/3.5kg per panel				
Brightness	1000 cd/m²	1000 cd/m²	1000 cd/m²	2500 cd/m²	2500 cd/m²
Contrast Ratio	10000:1	12000:1	15000:1	8000:1	8000:1
Refresh Rate	5760Hz	7680Hz	7680Hz	5760Hz	5760Hz
Input Power <Max>	260W/m²	260W/m²	260W/m²	400W/m²	400W/m²
Input Power <Avg>	87W/m²	87W/m²	87W/m²	134W/m²	134W/m²
Maintenance	Module: Front & Rear, Cabinet: Front				
Standard Mounting Configuration	Concave and Convex, Round Shape, Corner Shape, Cube				

Excellent Visual Performance

Ultra-high consistency over 99%

- Self-developed package
- Pixel-level binning

Wide viewing angle without color shift

- 180° horizontal wide viewing angle

Brilliant performance

- High contrast ratio
- High brightness

Ideal for Indoor | Freeform

Baggage claim area
Chengdu Shuangliu International Airport

1.Stop-By
Craft and tailor your brand

2.Eye Catching
Enhance your brand's visual impact

| UslimII MIP | UslimIII MIP |

Pixel Pitch	1.56 MIP
Brightness	800-1000nits
Contrast Ratio	8000:1
Viewing Angle	160°H/160°V
Maintenance	Front & Rear
Power Tech	Common Cathode & Flip-Chip (CCF)

Ideal for Semi-outdoor

- Surface light source, softer display
- Strong protection (3+7 protection)
- High brightness and energy saving, better stability

High Brightness and Energy-saving

Self-developed and self-produced MIP1010 Micro LED, 3500nits brightness, 38% energy saving

Stable and Reliable

Full flip chip Common cathode MIP, with 20% reduction in temperature rise compared to other products, doubling lifetime
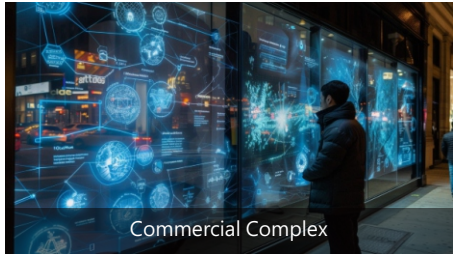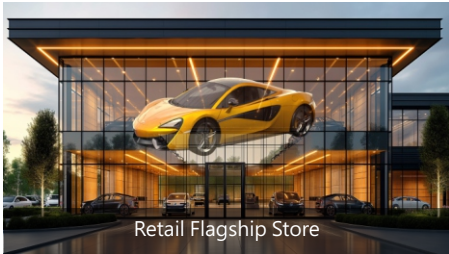
Udesign SV

Creating a new Era of Indoor Commercial Display

It owns **3D display** effect, **wide viewing angle, easy installation, light and portable** and **low energy consumption**. Creating a unique visual experience for the audience, and is widely used in urban landscape lighting, commercial display, digital exhibition, landmark digital landscape and other scenes.

APPLICATIONS

Retail Flagship Store

Government & Enterprise Exhibition Hall

Commercial Complex

Model	Udesign SV 3.9			Udesign SV 6.25		
LED Specification	SMD 2121			SMD 2121		
Pixel Pitch (mm) (horizontal/vertical)	3.91-3.91			6.25-6.25		
Pixel Density (dot/m²)	65536			25600		
Transparency Rate	92%			95%		
Display Dimension(mm) (w*h)	250x1000	250x1172	250x1469	250x1000	250x1175	250x1475
Profile Dimension (mm)(w*h)	250x1025	250x1197	250x1500	250x1025	250x1200	250x1500
Resolution (dot) (w*h)	64x256	64x300	64x376	40x160	40x188	40x236
Brightness(cd/m²)	≥2500 (Black Lamp) ≥4500 (White Lamp)	≥2000 (Black Lamp) ≥3000 (White Lamp)		≥5000 (White Lamp)		≥4500 (White Lamp)
Maximum Power Consumption (w/m²)	865					
Average Power Consumption (w/m²)	350					
Weight (kg/m²)	6					
Color Temperature(K)	3000~10000					
Frame Rate (Hz)	60~120					
Pixel Configuration	16bit					
Input Voltage	AC100~240V 50/60Hz					

High Visual Transparency, Enjoy Invisible Experience

Visual Transparency

≥92%

Professional Software Analysis :
Image & Video Similarity Comparison up to 97%

Commercial TV Viewing Experience

16 bit gray scale

✓ Max. 160,000 Pixels/m²
✓ Min. 2.5mm Pixel Pitch
✓ Cloest 2m Viewing Distance TV Quality

Ultra Thin Module, Only 6kg/m² Weight

1.8mm Module thickness

Flexible curved surface mounting, perfectly fitting installation scenarios.

Naked-eye AR Visual Effect, Space Floating Image

AR Naked Eye AR Display

✓ 3D Spatial Floating Image
✓ Naked-eye AR Visual Effect
✓ Holographic Invisible HD Quality

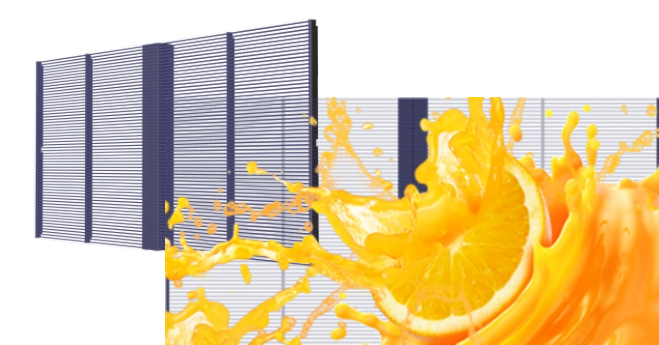## High Brightness, Attractive Delicate Colors

> 5000 nits

9000:1 High Contrast

NO Joint structure behind screen

✓ Large Display, Screen Length 3000mm
✓ Huge Size without Joint Structures
✓ Transparent Part Rate >95%

# UVF Thin & Slim Design for Indoor Transparent Screen

- **Ultra Thin & Light:** only 8kg/sqm
- **High Value for Money**
  Mature design with mass production, stable and high value for money
- **High Transparency:** up to 70%
- **High Contrast Ratio**
  High brightness, high contrast ratio, clear image in strong light
- **Great Heat Dissipation:**
  Reduce failure and maintenance cost, extend lifespan
- **Easy Installation:**
  Quick positioning and installation, only need to connect power and signal cable

APPLICATIONS

Chain Store

Shopping Center

Shopping Center
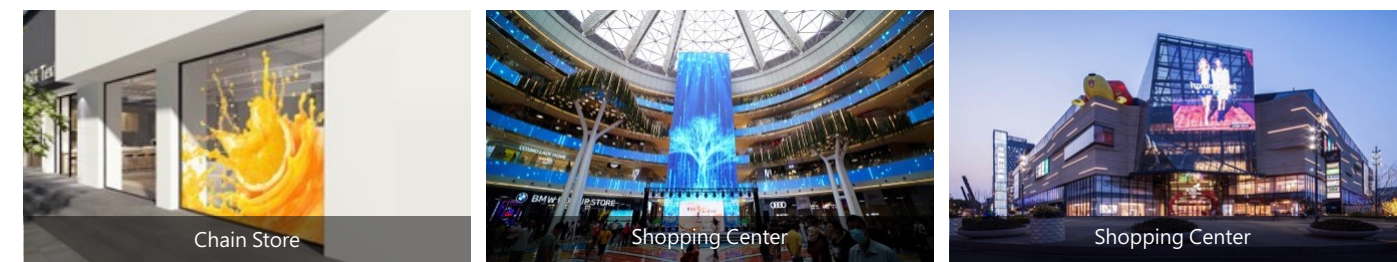
Model	UVF2.6	UVF3.9 Standard	UVF3.9 Basic	UVF7.8	UVF10.4
Pixel Pitch	2.6-6.9mm	3.9-7.8mm	3.9-7.8mm	7.8-7.8mm	10.4-10.4mm
Transparency	≥51%	≥56%	≥56%	≥56%	≥70%
LED Type	1R1G1B				
Brightness	4500nits	4500nits	2000nits	4500nits	5000nits
Cabinet Size	1000*500mm/1000*1000mm	1000*500mm/1000*1000mm	1000*500mm/1000*1000mm	1000*500mm/1000*1000mm	1000*500mm
Cabinet Weight	8 kg/m²				
Refresh Rate	≥3840Hz	≥3840Hz	≥1920Hz	≥3840Hz	≥3840Hz
Gray Scale	14bit				
Input Power	100-240V				
Peak Power	680W/m²	680W/m²	350W/m²	680W/m²	700W/m²
Average Power	227W/m²	277W/m²	167W/m²	227W/m²	283W/m²
Lifetime	≥100,000 Hours				
Protection	IP30				
Installation	Lifting/Fixed				
Maintenance	Front/Rear				

## Where You Can Use UVF
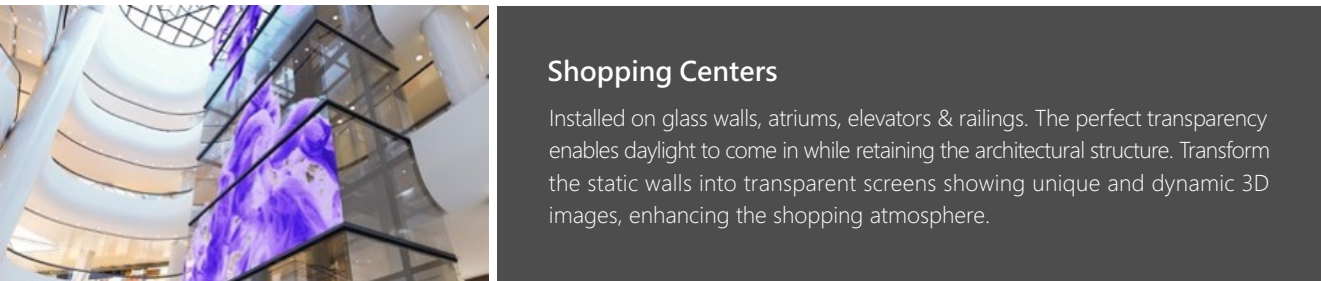
Shopping Centers

Installed on glass walls, atriums, elevators & railings. The perfect transparency enables daylight to come in while retaining the architectural structure. Transform the static walls into transparent screens showing unique and dynamic 3D images, enhancing the shopping atmosphere.
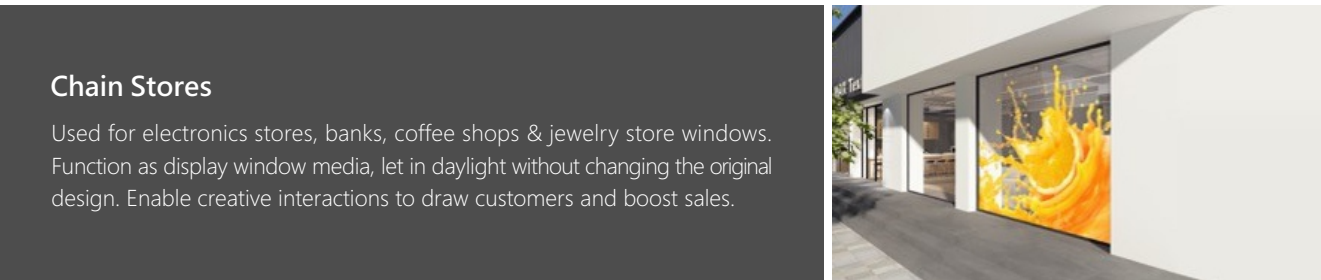
Chain Stores

Used for electronics stores, banks, coffee shops & jewelry store windows. Function as display window media, let in daylight without changing the original design. Enable creative interactions to draw customers and boost sales.
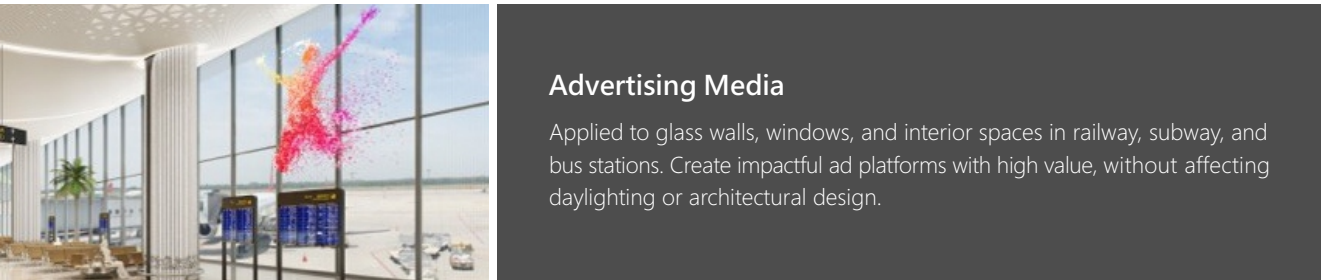
Advertising Media

Applied to glass walls, windows, and interior spaces in railway, subway, and bus stations. Create impactful ad platforms with high value, without affecting daylighting or architectural design.
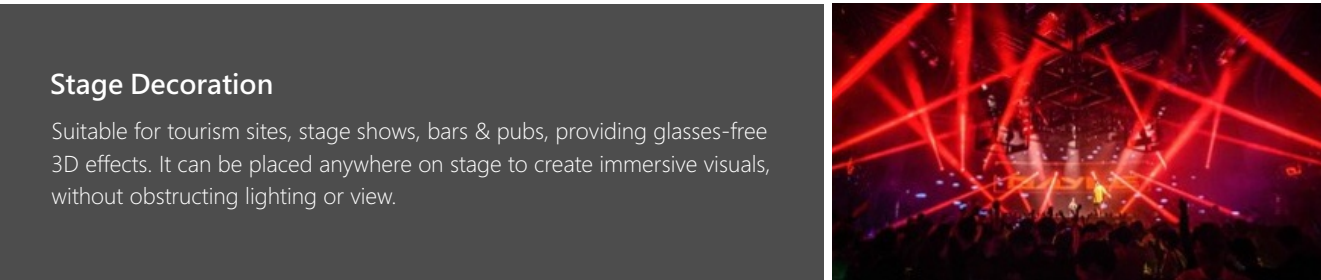
Stage Decoration

Suitable for tourism sites, stage shows, bars & pubs, providing glasses-free 3D effects. It can be placed anywhere on stage to create immersive visuals, without obstructing lighting or view.

UsurfaceⅢ

Pioneering SMD 10,000nits Outdoor LED Screen

- Super brightness – SMD 10,000 nits
- High contrast ratio – better viewing effect with less sunlight reflecting on the surface
- Wider viewing angle – realize large-scale visibility
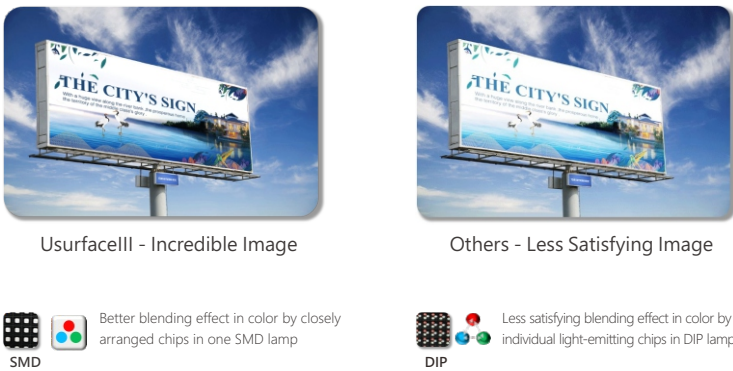- Front or rear maintenance

APPLICATIONS

Corporate

Billboard

Sports

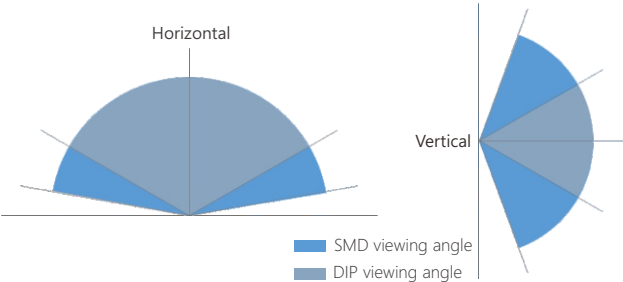| Model	UsurfaceⅢ6	UsurfaceⅢ8	UsurfaceⅢ10
Pixel Pitch	6.67mm	8.33mm	10mm
Pixel Density	22,500 dots/m²	14,400 dots/m²	10,000 dots/m²
Panel Resolution	120 x 135 dots	96 x 108 dots	80 x 90 dots
Panel Size (W×H×D)		800×900×96mm	
Material		Profile Aluminum	
Brightness		7000nits/8000nits/10000nits	
Ingress Protection (Front; Rear)		IP65/IP65; IP65/IP54	
Viewing Angle(°)		160°/140°	
Input voltage(V)		100~240 V	
Panel Weight (Front/Rear)		21kg/18.5kg	
Contrast Ratio	6000:1/7000:1/9000:1	6000:1/7000:1/9000:1	8500:1/12000:1/16000:1
Input Power <Max>		700 W/m² | 750 W/m² | 800 W/m²	
Input Power <Avg>		233 W/m² | 250 W/m² | 267 W/m²	
Storage temperature & humidity(°C/RH)		-30°C to 60°C/10% - 80% RH	
Operation temperature & humidity(°C/RH)		-20°C to 50°C/10% - 90% RH	

Super Brightness by SMD 10,000nits

SMD

Super Brightness by SMD 10,000nits

UsurfaceⅢ - Incredible Image

Others - Less Satisfying Image

Better blending effect in color by closely arranged chips in one SMD lamp

SMD

Less satisfying blending effect in color by individual light-emitting chips in DIP lamps

DIP

Wider Viewing Angle
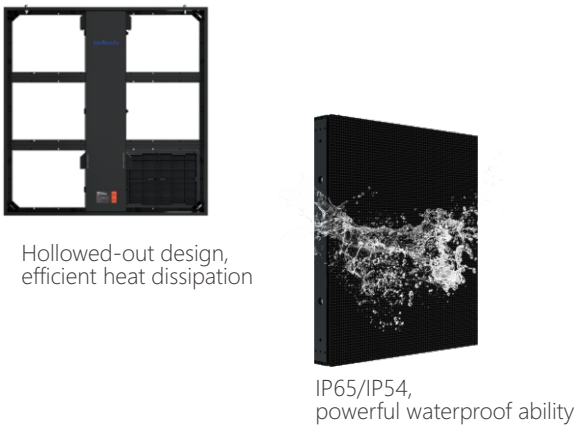
Horizontal

Vertical

SMD viewing angle
DIP viewing angle

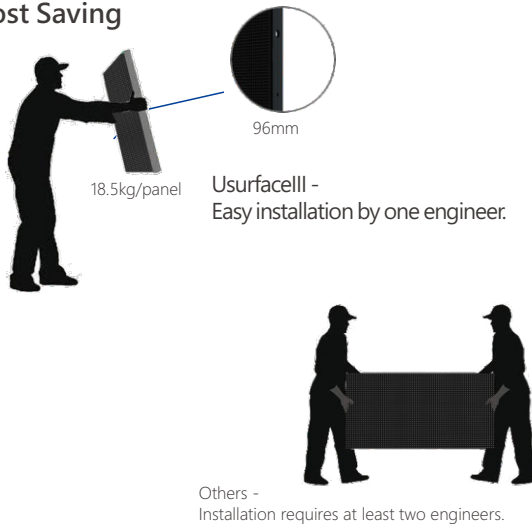Compared with average DIP LED panels, SMD based UsurfaceIII enables bigger exposure thanks to larger viewing angle

Excellent Outdoor Performance

Hollowed-out design, efficient heat dissipation

IP65/IP54, powerful waterproof ability

Front / Rear Maintenance optional

Front / Rear Maintenance optional makes much easier operation in different applications.

Cost Saving

96mm

18.5kg/panel

UsurfaceⅢ - Easy installation by one engineer.

Others - Installation requires at least two engineers.
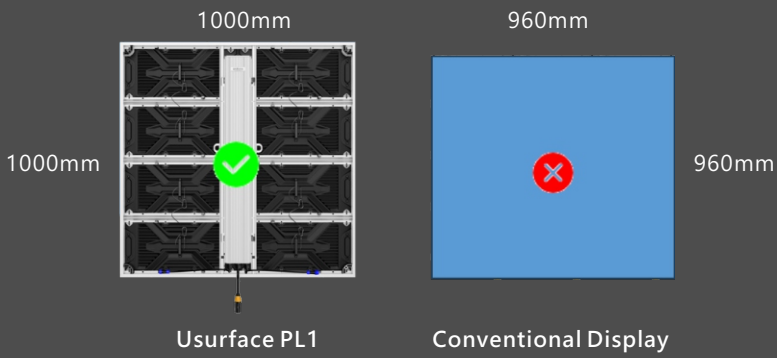
Usurface PL1

Advertising with No Boundaries

- Maximize advertising value with seamless 100% billboard coverage
- Create captivating advertisements with high brightness and refresh rate
- Save energy via DVPS technology and common cathode design
- Simplify installation and maintenance with ultra-light, ultra-thin design and front & rear maintenance

APPLICATIONS

Park

Highway

Street
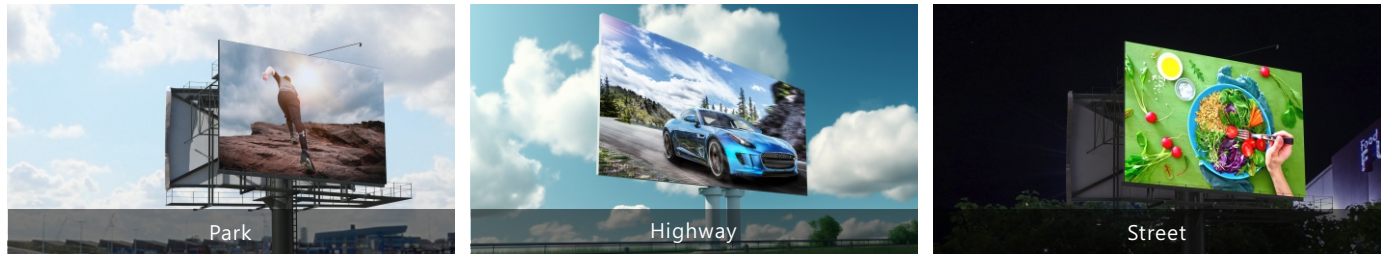
Model	Usurface PL1 6.25	Usurface PL1 7.81	Usurface PL1 10.4
Pixel Pitch	6.25mm	7.81mm	10.4mm
Pixel Density	25,600 pixels/m²	16,384 pixels/m²	10,000 pixels/m²
Panel Resolution	80×40 Dots	64×32 Dots	48×24 Dots
Panel Size (W×H×D)	1000×1000×62mm		
Material	Profile Aluminum		
Brightness	7,500 cd/m²		
Ingress Protection	IP65		
Maintenance	Front & Rear		
Viewing Angle(°)	160°/100°		
Input voltage(V)	100~240 V		
Weight	23.5kg/m²		
Contrast Ratio	8000:1	9000:1	10000:1
Input Power <Max>	650 W/m²		
Input Power <Avg>	217 W/m²		
Storage temperature & humidity(℃/RH)	-30℃ to 60℃/10% - 80% RH		
Operation temperature & humidity(℃/RH)	-30℃~+60℃(-40℃ optional)/10~80%RH		

LED Billboard Redefined – Covering Every Inch

1000mm

960mm

1000mm

960mm

Usurface PL1

Conventional Display

Conventional displays are not perfect for most billboards because of size constraints. However, with its 1000mm x 1000mm dimensions, the Usurface PL1 can achieve seamless 100% coverage and maximizes your advertising value.

Lighter, Thinner, and Cost-Effective

240㎡
Usurface PL1

177㎡
Conventional Display
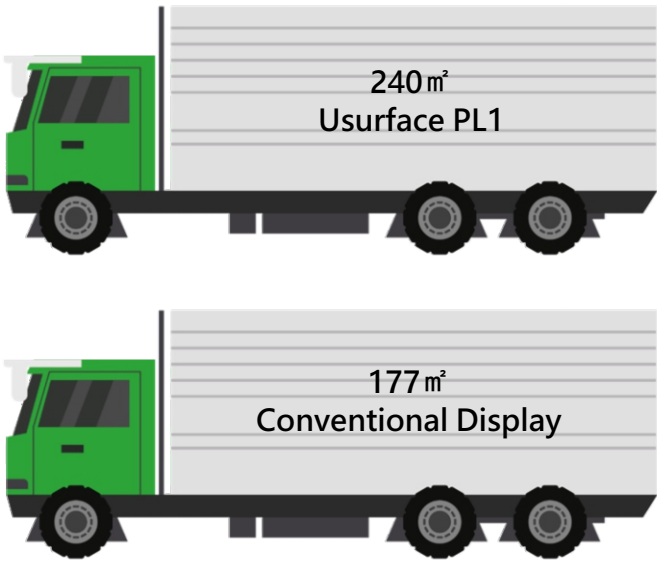
- Aluminum profile cabinet
- Ultra-light and thin: 21.5 kg/m², 62mm thickness
- 37% ↓ less weight than others
- Save 1,950 kg ↓ of steel structure (per 100㎡)

Ultimate Energy-Saving Performance

Usurface PL1

Avg. Consumption:
150~200 W/m²
Max. Consumption:
450~600 W/m²

15% Energy Saving

Conventional Display

Avg. Consumption:
172~230 W/m²
Max. Consumption:
516~690 W/m²

Hassle-free Front & Rear Maintenance

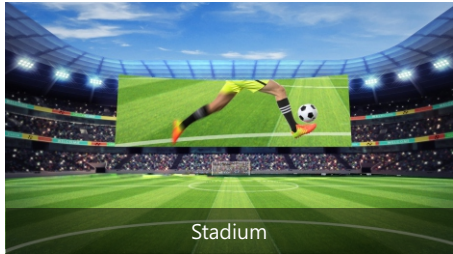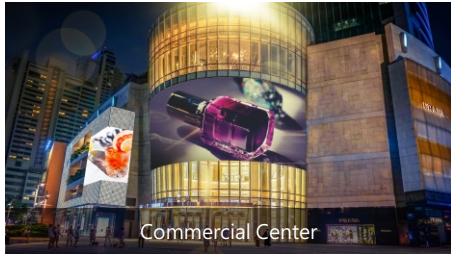Front Maintenance

Rear Maintenance

USK Natural Image, Stable Operation

- Best-in-class visual experience with high brightness, contrast ratio, and refresh rate
- Carefree operation with comprehensive protection designs and high stability
- High flexibility with no limited shapes to get more business opportunities
- Latest DVPS technology ensures up to 40% energy-saving cost and low carbon emission
- EMC Class B design for no electromagnetic interference to other devices or affected by others

APPLICATIONS

Bus Station

Commercial Center

Stadium

Darker! Brighter!

USK
Others

Regular P3.9 SMD1921 contrast ratio 4500:1
USK P3.9 SMD1921 Contrast ratio 5000:1

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

- 6000 nits brightness
- 6000:1 contrast ratio
- 2.6/2.9/3.9/4.8/5.9 available

Ultra-wide Viewing Angle

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

Ultra Clear Image with 7680 Refresh Rate

7680Hz
Conventional Display
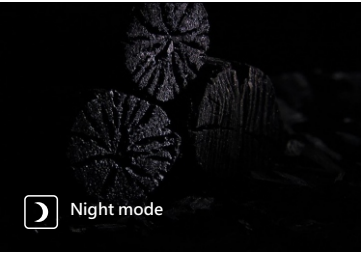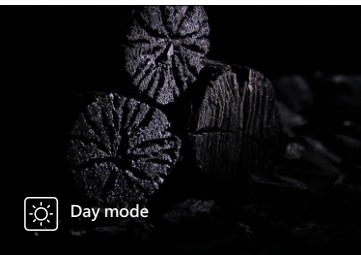USK

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

Keep the Ads Perfectly Rendered at Any Time
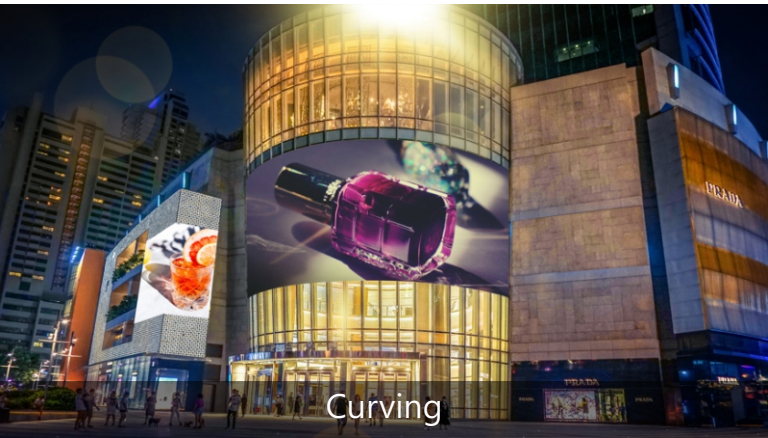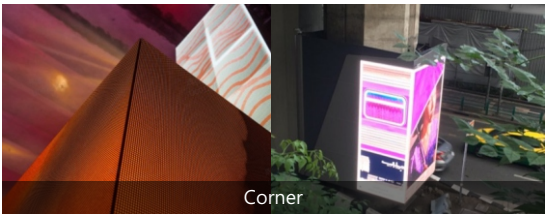

Day mode
Night mode

- 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
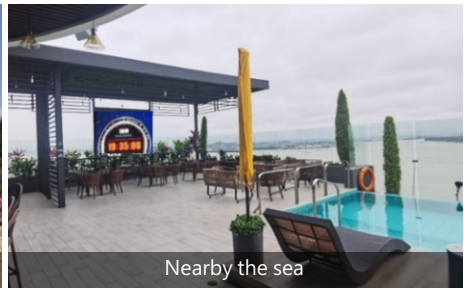- The timing switch function is under development*

Creative Installation

Curving

Corner

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

Model	USK 2.6	USK 2.9	USK 3.9	USK 4.8	USK 5.9
Pixel Pitch	2.6mm	2.9mm	3.9mm	4.8mm	5.9mm
Pixel Density	147,456 pixels/m²	112,896 pixels/m²	65,536 pixels/m²	43,264 pixels/m²	28,224 pixels/m²
Panel Resolution	96×96 Dots	84×84 Dots	64×64 Dots	52×52 Dots	42×42 Dots
Panel Size (W×H×D)	500×1000×78mm/500×750×78mm				
Material	Die-casting Aluminum				
Brightness	6,000cd/m²				
Ingress Protection	IP69K				
Maintenance	Front & Rear				
Viewing Angle(°)	160°/140°				
Panel Weight	38kg/m²｜36kg/m²				
Contrast Ratio	4000:1	4000:1	5000:1	6000:1	6000:1
Max Input Power/m'	650W/m²	650W/m²	580W/m²	580W/m²	580W/m²
Ave Input Power/m'	217W/m²	217W/m²	193W/m²	193W/m²	193W/m²
Cerificate	CCC/COC/CE/CB/UL/FCC/UKCA/BS476/IP69Ktest				

### Die-cast Aluminum Cabinet, Unaffected by Salt Spray

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.

Hassle-free Front & Rear Maintenance

Front maintenance
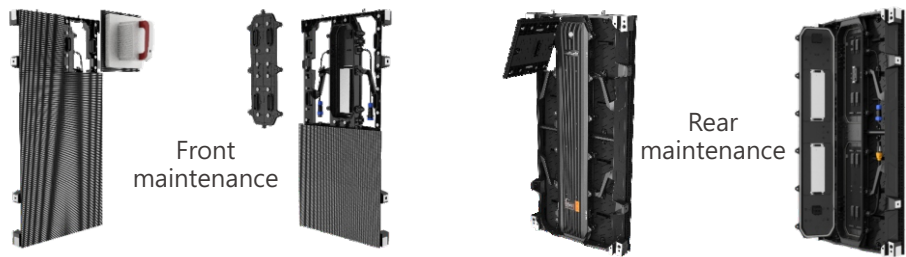
Rear maintenance

USK supports front & rear installation and maintenance, flexible installation and use.
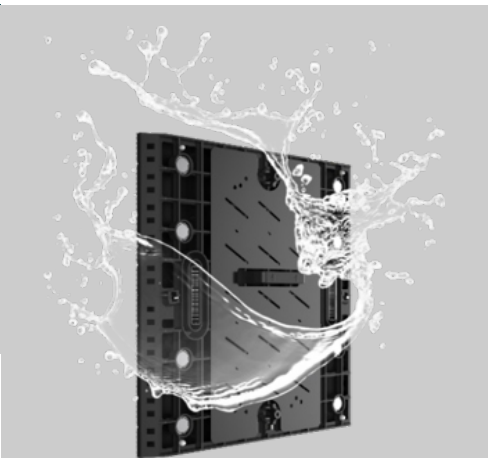
Efficient Heat Dissipation Design

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

Large rear cover

Double-sided gluing design

Sunshade design

IP69K Protection —— Superior Waterproof Performance

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.

IP69K Test*

Water temperature: 80℃±5℃

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

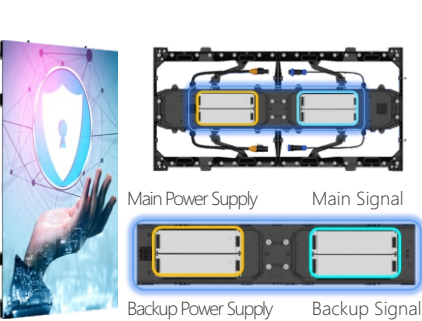*Test standard: hot vapour washout test as defined in EN 60529 and DIN 40050-9.

EMC Class B Design

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.

EMC

Power & Data Redundancy*

Main Power Supply   Main Signal

Backup Power Supply   Backup Signal

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

*Optional

Remote Monitoring of LED Screen Status*

- Smoke Monitoring
- Module Signal Monitoring
- Module Voltage Monitoring
- Spot Detection Function
- Humidity Monitoring
- Module Temperature Monitoring

*Optional

DVPS Energy-saving Technology

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.

40%

Energy saving

Carbon emission reduction

68036 Kw*H / 100㎡ per year

53408.26 kg/ 100㎡ per year
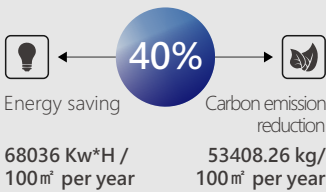
*Test standard: 3.9 pitch, 100m2, 12H/day, continuous operation for 365 days.
*Compared with conventional 4.2V power supplies, the power consumption is reduced by 16%

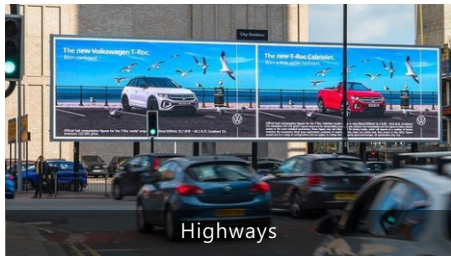# Usurface GM

Stay Cool and Shining

- Die-casting Aluminum back cover: Heat dissipation efficiency increased by 10%
- High Safety and Stability: IP66/IP65 and 5VB Flame-retardant rate
- Energy saving circuit design: Lower operating cost and higher rate of return
- Low luminance decay*: Below 30% of luminance decay after 5 years
- Convenient installation/maintenance: support both Front and Rear

APPLICATIONS
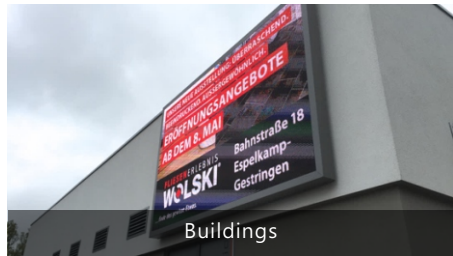
Buildings

Highways

Shopping Mall

| Model	Usurface GM 6.67	Usurface GM 10
Pixel Pitch	6.67mm	10mm
Pixel Density	22,500pixels/m²	10,000pixels/m²
Panel Resolution	72×48Dots	48×32Dots
Panel Size (W×H×D)	W960mm×H960mm×D85mm	
Material	Profile aluminum	
Brightness	7,500 standard/7,500 energy-saving	
Ingress Protection	IP66/IP65	
Maintenance	Front & Rear	
Viewing Angle(°)	160°/105°	
Panel Weight	26.5kg/m²	
Contrast ratio	7500:1/10000:1	
Input Power <Max>	680W/m²｜450W/m²	
Input Power <Avg>	227W/m²｜150W/m²	
Storage temperature & humidity(℃/RH)	-30℃~+60℃/10~80%RH	
Operation temperature & humidity(℃/RH)	-20℃~+50℃/10~90%RH	

Long-Lasting Ultra High brightness

- **7,500~10,000nits**
  Outstanding visibility in the brightest outdoor environments

- **7680Hz, 13,000:1 Contrast**
  More vivid and realistic, maximizing the inherent value of the advertising content

- **Below 35% of luminance decay after 5 years***
  Carefully selected LED chips for longer service life while maintaining high quality display performance
  *Optional

Panel Protection Design
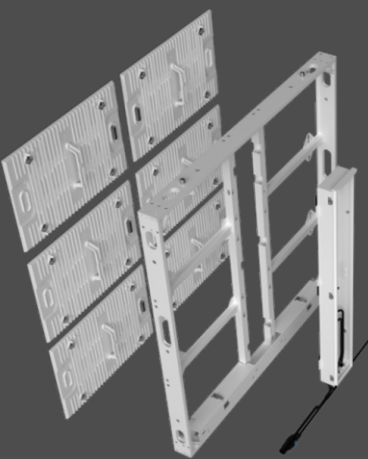
Rain shield design on top of PSU box
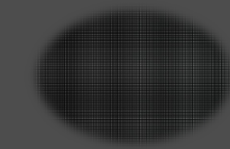
IP66/IP65 ensures stability in harsh environments, reducing faults occurrence by environment
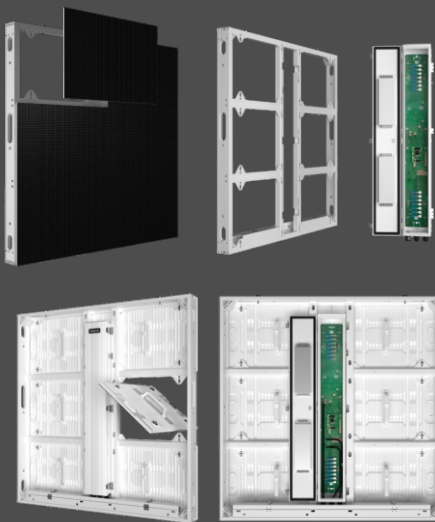
Module surface potting

Fully sealed aluminum chassis

Coating on module & Hub
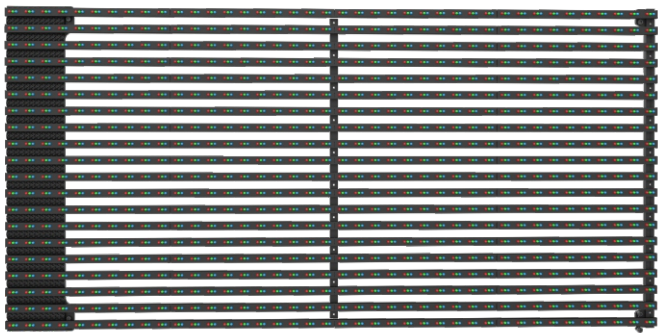
Panel Protection Design

Flexible installation and maintenance-

Front & Rear Access, 4PCS knobs for fixing each module, convenient and fast

Invisible cables and wiring

Nice and Tidy:
- Hidden cables and wiring in product frame

Safe and Stable:
- Reduce water accumulation
- Slows down cable and wiring aging
- Away reaching from animals and birds

O Series

- **Integrated Module Design**
  Built-in power and data processor for one-line connection and easy cable management

- **High Brightness & Low Power Consumption**
  While maintaining high brightness of 7500-10000nit, the average power consumption is only 100-140 w/㎡

- **Front Ventilation**
  Front ventilation system has air intake and exhaust

- **Convenient Installation**
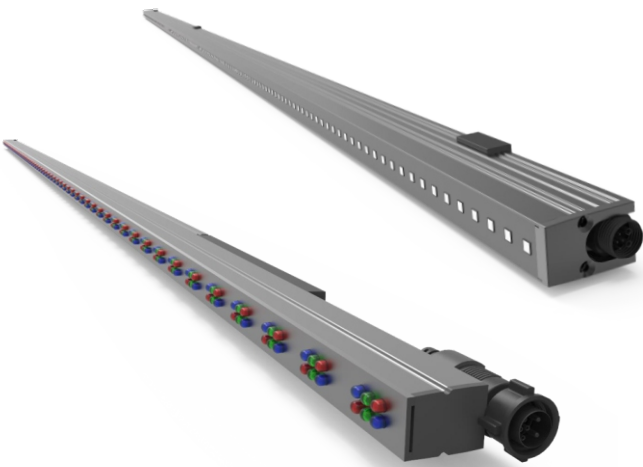 Free of steel frame structure, adapt to various types of buildings

VT

- **High Frame Rate of 60hz**
  Fully meet all kinds of video playback requirements, the picture is smooth and no stuck

- **High Color Rendition**
  Adopt constant current drive and color temperature can be adjusted by software

- **Energy Saving Design**
  Reduce light pollution and energy consumption without affecting the display gray scale

- **Circuit Backup**
  Circuit backup can be added to each channel signal and backup signal can be switched automatically when the signal is broken.
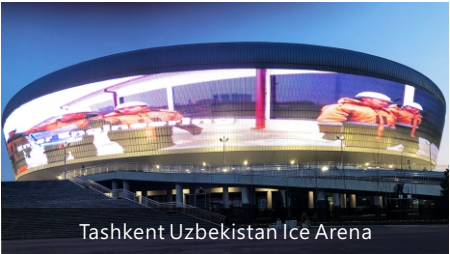
APPLICATIONS

Stage Show | Dingding Mall | No. 1 Harbour City Mall

APPLICATIONS

NAGAWORLD | Media Group's (CMG) Light Show | Tashkent Uzbekistan Ice Arena

Model	O-1531F vertical	O-2525F vertical	O-2525F transverse	O-H2550F vertical	O-H2550F transverse
Pixel Pitch	31.25mm/15.625mm	25mm/25mm	25mm/25mm	50mm/25mm	25mm/50mm
Pixel Density	2048 dot/m²	1600 dot/m²	1600 dot/m²	800 dot/m²	800 dot/m²
Brightness	8000 nits				
Unit Size (Customizable)	500 x 1000mm	500 x 1000mm	1200 x 500mm	500 x 1200mm	1200 x 500mm
Unit Resolution	16 x 64 dots	20 x 48 dots	48 x 20 dots	10 x 48 dots	48 x 10 dots
Material	Aluminum profile & PC mask (customized color available)				
Transparency	62%	52%	52%	68%	72%
Weight	15.0 Kg/m²	17.0 Kg/m²	17.0 Kg/m²	12.0 Kg/m²	12.0 Kg/m²
Installation	Front	Rear			
Peak power	375 W/m²	375 W/m²	375 W/m²	280 W/m²	280 W/m²
Average power	125 W/m²	125 W/m²	125 W/m²	95 W/m²	95 W/m²
Ingress Protection	IP67				
Input Voltage	100 - 264 Vac				
Refresh Rate	3840 Hz				

Model	VT-1831M-D2	VT-1825M-D2	VT-1525D-S1	VT-1525D-D1	VT-1531D-S1	VT-1531D-D2	VT-8031G-D4×2
Pixel Pitch	31.25mm	25mm	25mm	25mm	31.25mm	31.25mm	31.25mm
LED encapsulation	DIP	DIP	SMD	DIP	SMD	DIP	DIP
Brightness	13 cd/dot	13 cd/dot	1.5 cd/dot	6 cd/dot	1.5 cd/dot	12 cd/dot	35 cd/dot
Module Height	18mm	18mm	15mm	15mm	15mm	15mm	80mm
Strip Permutation	Vertical	Transverse					
Material	Aluminum profile & PC mask						
Weight	0.75 Kg	0.75 Kg	0.65 Kg	0.7 Kg	0.8 Kg	0.8 Kg	3.2 Kg
Frame Rate	≥60 Hz	≥60 Hz	≥30 Hz	≥30 Hz	≥30 Hz	≥30 Hz	≥60 Hz
Refresh Rate	3,840 Hz						
Peak Power	10 W/m	12 W/m	7 W/m	7 W/m	6 W/m	9 W/m	45 W/m
Average Power	3.5 W/m	4 W/m	2.5 W/m	2.5 W/m	2 W/m	3 W/m	15 W/m

# F-M   Outdoor Waterproof Transparent Screen
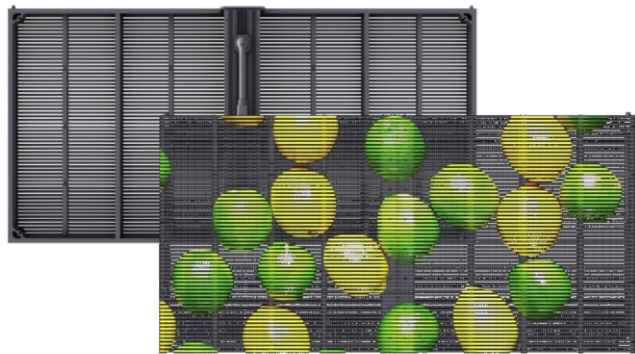
- **High-definition & Transparency**
  40%/50% High transparency, 6500/5000nits brightness
  3840Hz refresh rate

- **Fearless of Wind & Rain**
  Double sides IP65 LED side gluing protection technique

- **Premium Visual Effect**
  3840Hz refresh rate, 14bit gray scale

- **Easy Installation & Maintenance**
  Module front maintenance, Cabinet front/rear maintneance

APPLICATIONS

Glass Facade
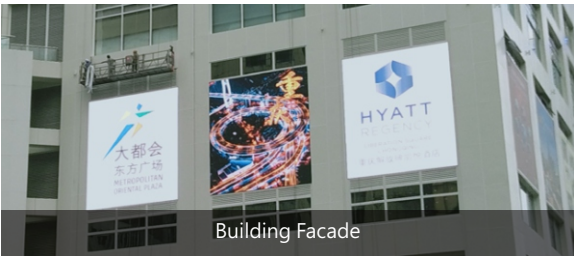
Building Facade

Building Facade

Model	F-M3A Standard	F-M5A Standard	F-M5A Premier	F-M7A Standard	F-M10A Standard	F-M10A Premier
Pixel Pitch	3.9-7.8mm	5.2-10.4mm	5.2-10.4mm	7.8mm	10.4mm	10.4mm
Transparency	40%	50%	50%	40%	50%	50%
LED Type	1R1G1B					
Brightness	5000	5000	6500	5000	5000	6500
Cabinet Size	1000*500mm					
Cabinet Weight	15 kg/m²					
Refresh Rate	≥3840Hz					
Gray Scale	14bit					
Input Power	100-240V					
Peak Power	660W/m²	660W/m²	680W/m²	680W/m²	650W/m²	660W/m²
Average Power	270W/m²	270W/m²	277W/m²	277W/m²	267W/m²	270W/m²
Lifetime	≥100,000 Hours					
Protection	IP65					
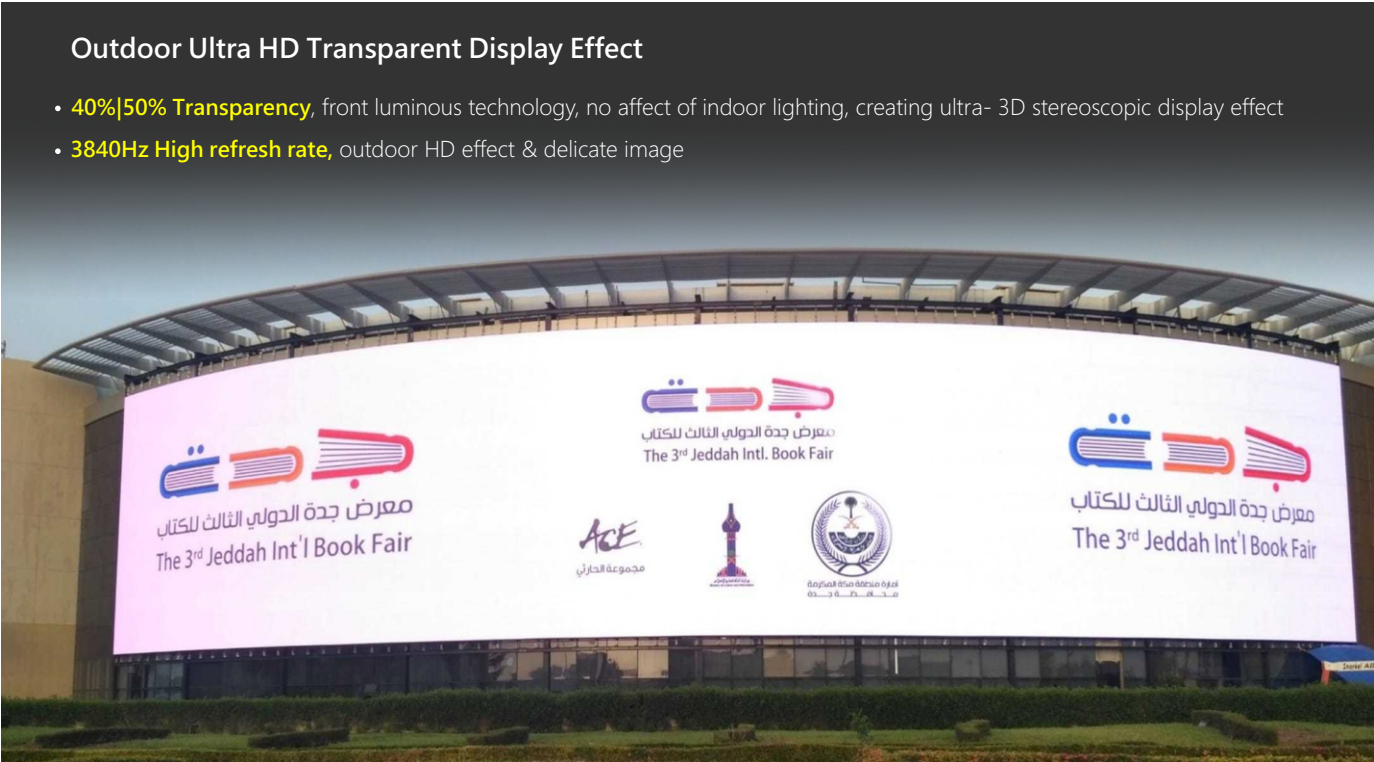
Outdoor Ultra HD Transparent Display Effect

- **40%|50% Transparency**, front luminous technology, no affect of indoor lighting, creating ultra- 3D stereoscopic display effect
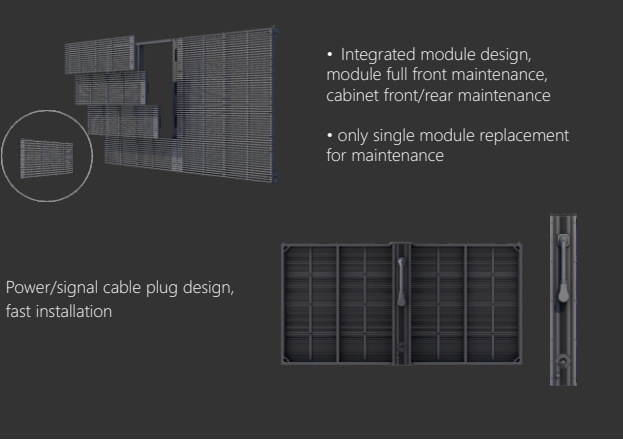- **3840Hz High refresh rate,** outdoor HD effect & delicate image
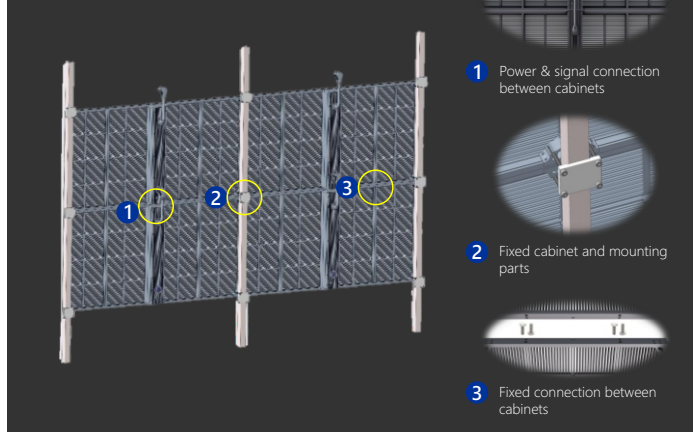
Thin & Slim Design
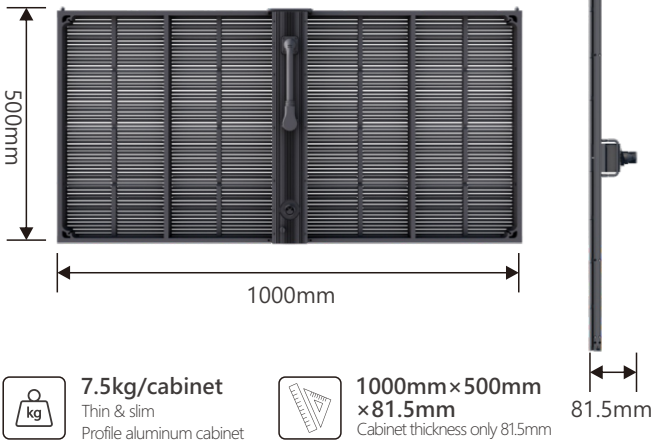
500mm

1000mm

81.5mm

7.5kg/cabinet
Thin & slim
Profile aluminum cabinet

1000mm×500mm ×81.5mm
Cabinet thickness only 81.5mm

Modular Design

- Integrated module design, module full front maintenance, cabinet front/rear maintenance
- only single module replacement for maintenance

Power/signal cable plug design, fast installation

Fast Installation & Maintenance

1 Power & signal connection between cabinets

2 Fixed cabinet and mounting parts

3 Fixed connection between cabinets

Unlimited Styling

Cabinet support 45°cutting edge
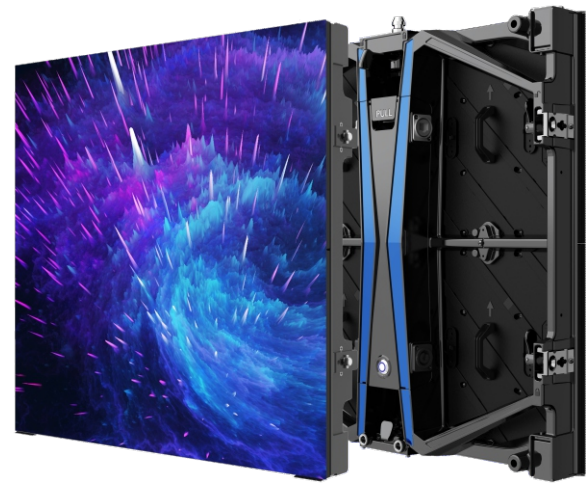Support arc, right angle, cylinder, cube column and other creative modeling.
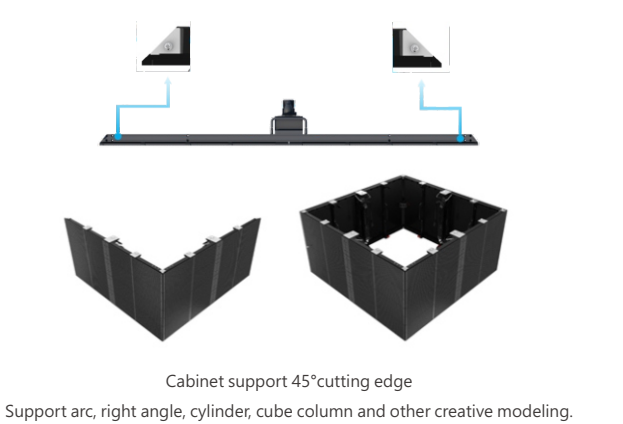
UpadIV

Create Value, Continuously

- Ultra lightweight – die-cast magnesium design, 30% lighter than other panels
- Automatic hanging lock – one-person installation and disassembly
- Flexible curve lock – high precision arc block
- Creative display – "S" shape, cylinder, rounded corner, cube and square corner

APPLICATIONS

General Assembly

Auto Show

TV Show

Model	UpadIV1.5	UpadIV1.9	UpadIV2
Pixel Pitch	1.5mm	1.9mm	2.6mm
Pixel Density	409,600 pixels/m²	262,144 pixels/m²	147,456 pixels/m²
LED type	IMD	3-in-1 Black SMD	3-in-1 Black SMD
Panel Size (W×H×D)	500 × 500 × 70.1mm		
Panel Resolution	320 × 320	256 × 256	192 × 192
Curve (Convex - Concave)	-5° ~ 10°(Optional)		
Ingress Protection	IP30		
Maintenance	Front & Rear		
Brightness (cd/m²)	800cd/m²	800cd/m²	1,200cd/m²
Viewing Angle(°)	160°/160°		
Input voltage(V)	100~240 V		
Panel Weight	7.6kg	6.3kg	7.6kg
Contrast Ratio	4000:1	5000:1	8000:1
Gray Scale	16bit		
Refresh Rate	7680Hz		
Input Power <Max>	150 W/panel	120 W/panel	160 W/panel
Input Power <Avg>	45 W/panel	40 W/panel	55 W/panel
Operation temperature & humidity(°C/RH)	-10°C ~ 45°C/10% ~ 80% RH		
Standard Mounting Configuration	Hanging, Stacking		

Lighter, Die-cast magnesium Design

The die-cast magnesium cabinet weights only 6.3kg, 30% lighter than average.
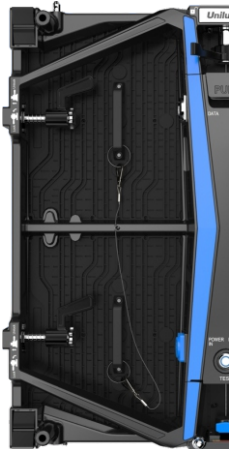
6.3kg/cabinet
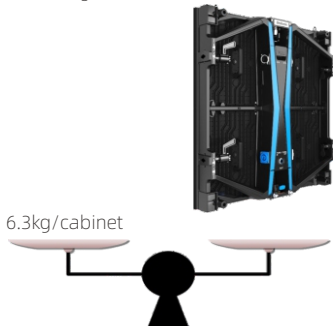
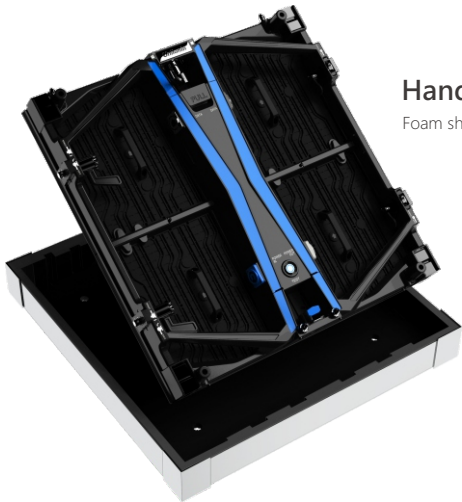## Transportation Protection

High strength flight case

Module Protection
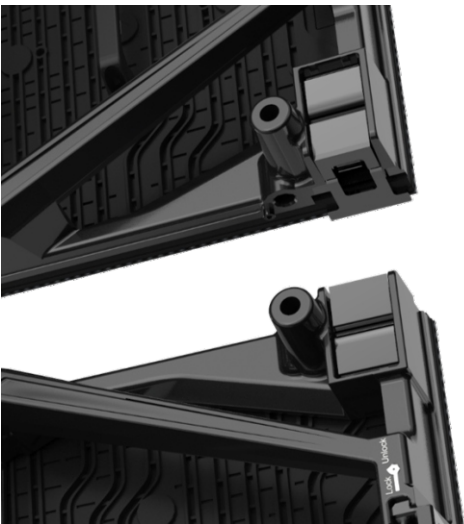
Moveable safety rope design

Handling Cover

Foam sheath

Installation Protection

Automatic edge protection & effective corner protection

DDC Technology (Dual Drive Configuration)

Two modes by one switch, One screen for dual uses

High light mode

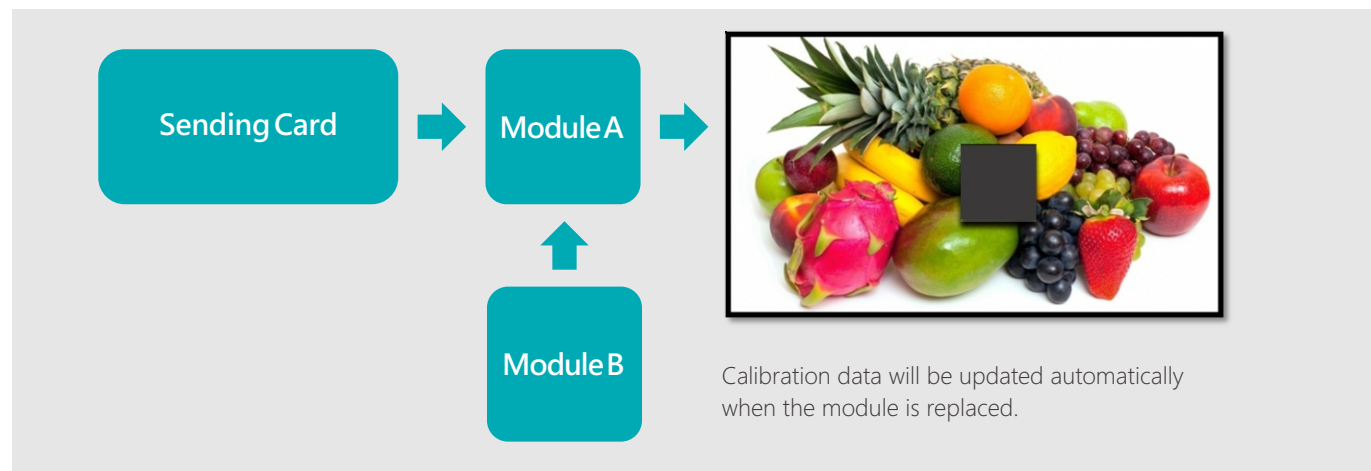In general, the picture goes blurry with 10% of reduction in brightness.
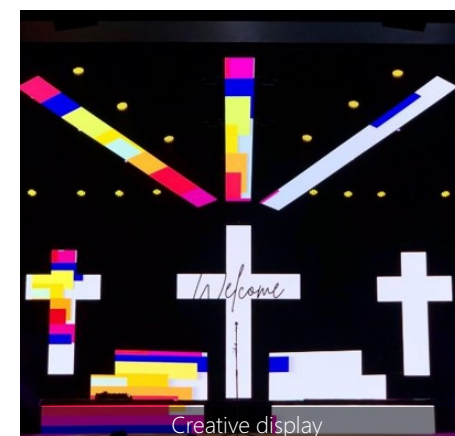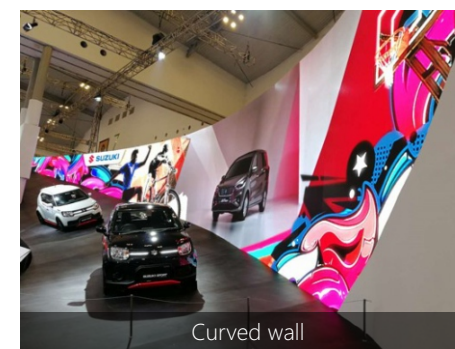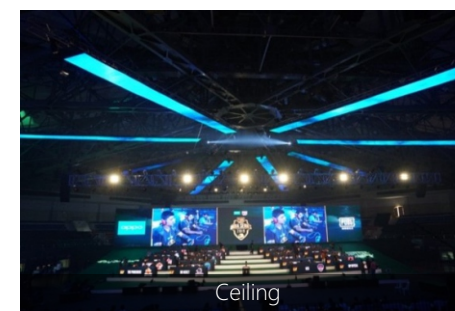
Low light mode

HDR Technology

High resolution 16bit, high gray level, support 10bit video

Automatic Calibration

Sending Card → Module A →

Module B ↑

Calibration data will be updated automatically when the module is replaced.

Lighter, Die-casting magnesium Design

Internal 90-degree corner

External 90-degree corner

Ceiling

Curved wall

Creative display
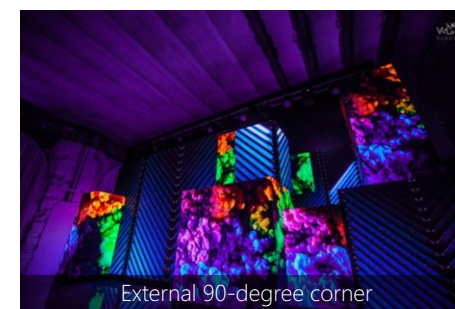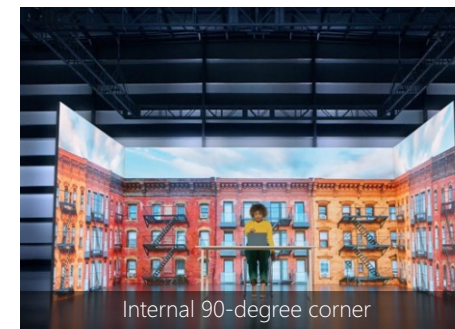
Mobile Control Solution

For small-sized exhibitions.
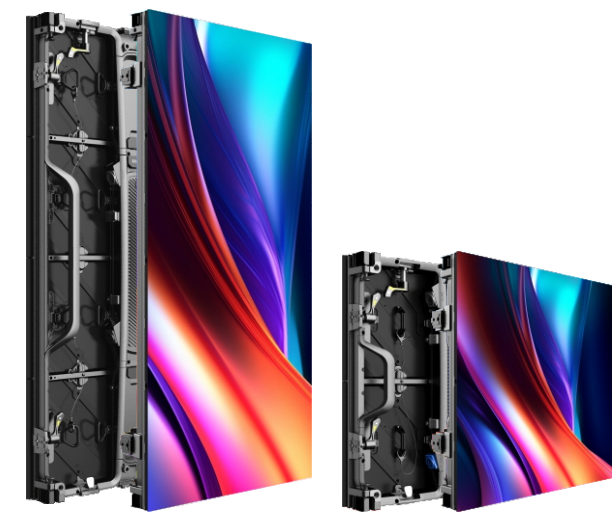
LED screen

↑

Sending card

↑

Player

↑

Smart phone

URMⅢ

Ease of Use

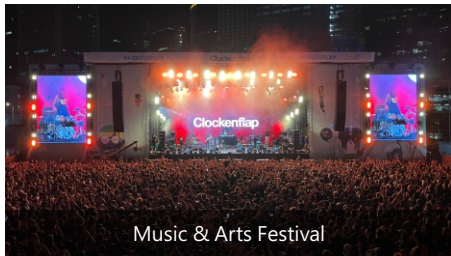GRAND AWARD 2020 | GOLD AWARD 2020 | 红星奖 | reddot winner 2021

- True single-person installation – automatic lock design, excellent safety performance
- Pinch n' go module – high efficiency of screen maintenance
- 3D corner protection – protect the screen from damage
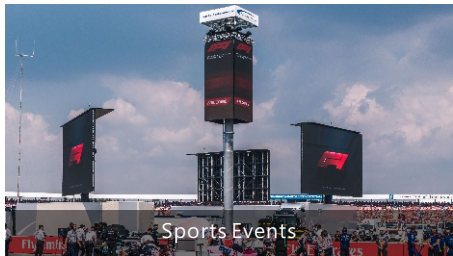- Creative installation – 90° corner, curve and creative shapes

APPLICATIONS

Trade Show

Music & Arts Festival

Sports Events

Design

Comfortable handle
Ultra-slim frame
Diagonal-shaped heat dissipation bars
Efficient modular operation

Model	URMⅢ 1.9P	URMⅢ 2.6P	URMⅢ 2P	URMⅢ 3P	URMⅢ 02P	URMⅢ 03P	URMⅢ 04P
Pixel Pitch	1.9mm	2.6mm	2.9mm	3.9mm	2.9mm	3.9mm	4.8mm
Pixel Density	262,144 pixels/m²	147,456 pixels/m²	112,896 pixels/m²	65,536 pixels/m²	112,896 pixels/m²	65,536 pixels/m²	43,264 pixels/m²
LED type	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 SMD	3-in-1 SMD	3-in-1 SMD
Panel Size (W×H×D)	500 × 500/1000 × 71mm						
Panel Resolution	256 × 256	192 × 192	168 × 168/336	128 × 128/256	168 × 168/336	128 × 128/256	104 × 104/208
Curve (Convex - Concave)	-10° ~ 10°						
Ingress Protection	IP30	IP30	IP30	IP30	IP65	IP65	IP65
Maintenance	Front & Rear				Rear		
Brightness (cd/m²)	800cd/m²	1,000cd/m²	800cd/m²	800cd/m²	4,000cd/m²	4,500cd/m²	4,500cd/m²
Viewing Angle(°)	160°/160°	160°/160°	160°/160°	160°/160°	140°/120°	140°/120°	140°/120°
Input voltage(V)	100~240 V						
Panel Weight	7.3kg	7.3kg	7.3kg/12.5kg	7.3kg/12.5kg	7.5kg/13.2kg	7.5kg/13.2kg	7.5kg/13.2kg
Contrast Ratio	4000:1	4000:1	3000:1	3000:1	3000:1	4000:1	4000:1
Gray Scale	14bit						
Refresh Rate	3840Hz						
Input Power/Panel <Max/Avg>	120/35 W	120/35 W	120/35 W｜240/70 W	120/35 W｜240/70 W	170/50 W｜335/100 W	170/50 W｜335/100 W	170/50 W｜335/100 W
Standard Mounting Configuration	Hanging, Stacking						
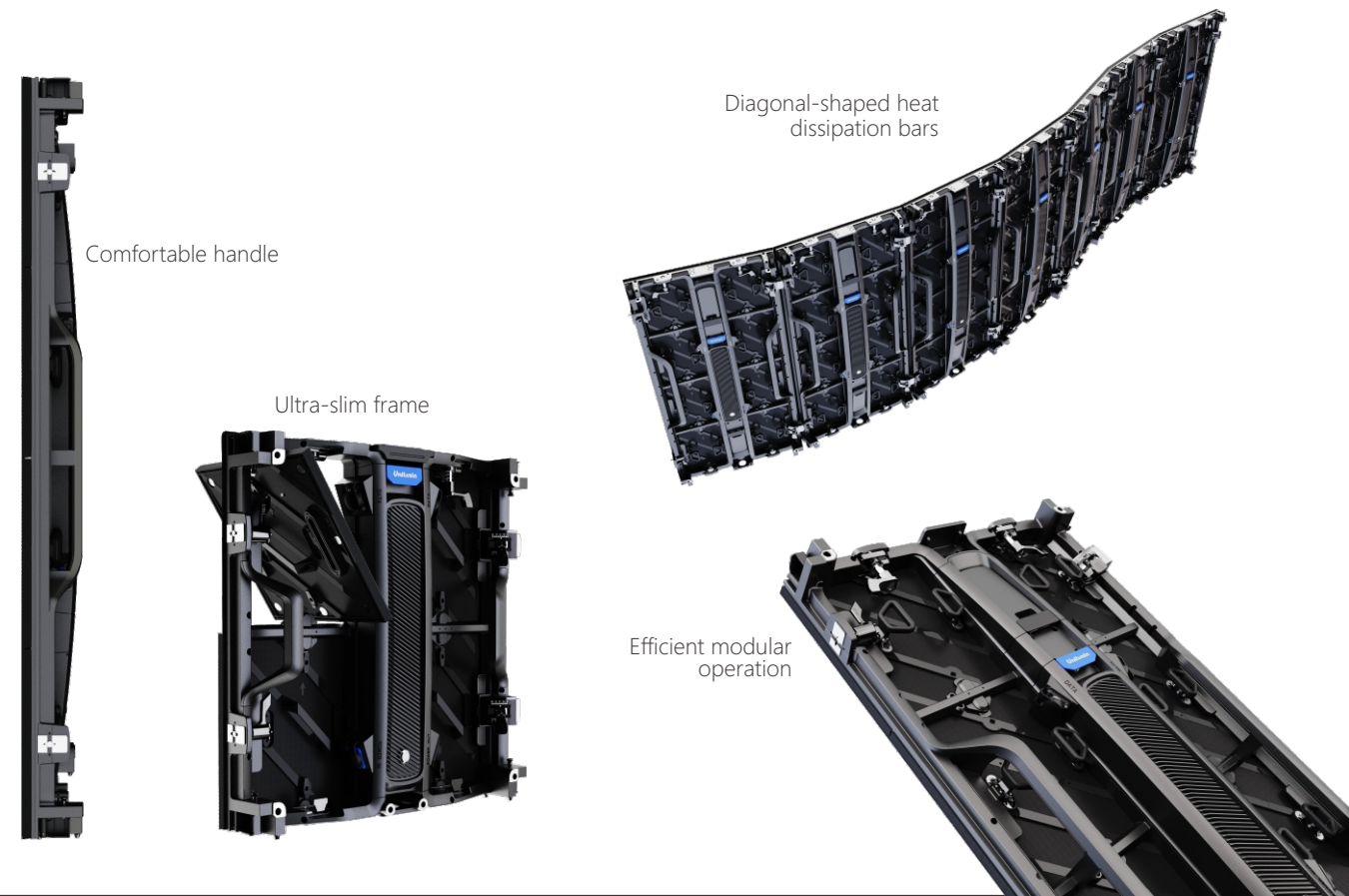
Pinch n' Go Module
—New Direction of Module

Module Release

Pinch   Slightly Push Outward
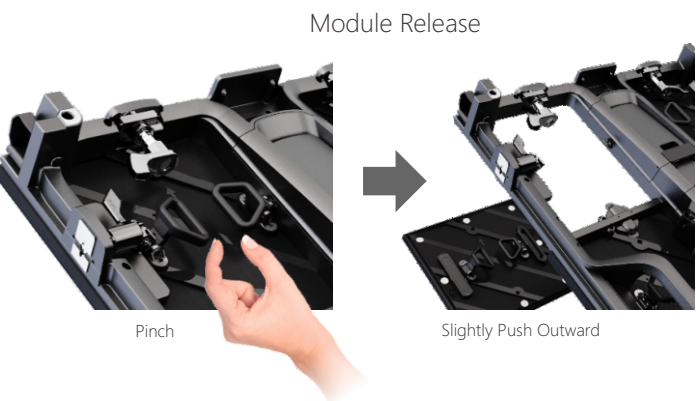
Effectively improve the efficiency of screen maintenance, reduce maintenance time and energy.

NOTE: Standard for outdoor, optional for indoor

Click-lock
—True Single-person Installation

1 Click to pop up the King PIN

2 Stack the tiles, and they lock automatically

3 Push the clasp inward with fingers to double-lock

Flip-shield— Comprehensive Corner Protection

3mm
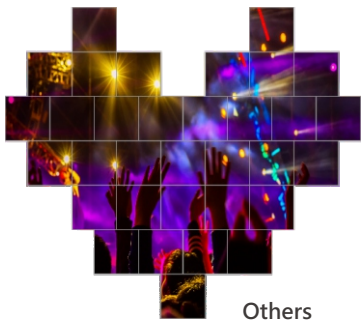
3mm-shield Above Lamp Face

Pop Up Automatically

Effectively avoid accidental impact from the lamp face, top and side, so as to achieve the effect of three-dimensional(3D) surface protection.
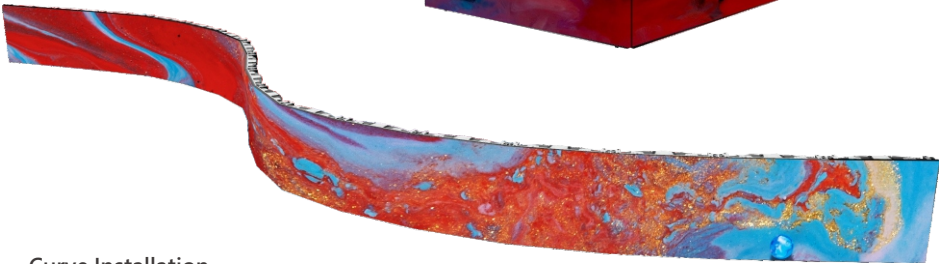
Creative Installation
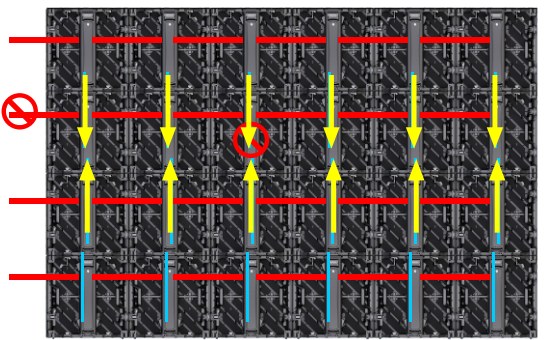
90° Corner Installation

Others

Curve Installation

-10° -8.75° -7.5° -6.25° -5° -3.75° -2.5° -1.25° 0° 1.25° 2.5° 3.75° 5° 6.25° 7.5° 8.75° 10°

ABS Technology (Advanced Backup Sharing)

Quickly solve the power failure of the power box without disassembly.

When a power failure, power cord failure or aviation plug failure occurs, the adjacent cabinets will share the output current to make the screen display normally.

NOTE: Optional for indoor only

More stable and safer accessories

Touring Dolly

Wind-bracing Frame

2-in-1 Hanging & Ground Beam

Stacking installation Accessories (ground beam, ground beam support, back frame, back frame connector)
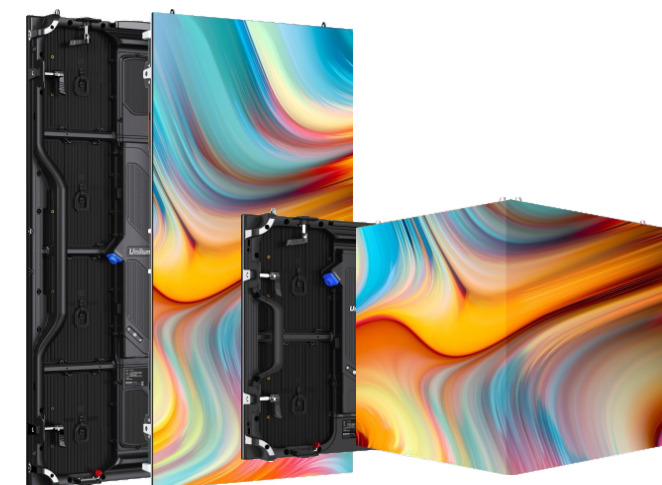
DDC Technology (Dual Drive Configuration)

Day Mode

Night Mode

Indoor and Outdoor Dual Use. Day mode and night mode can be switched within 1 second.

UGMⅡ

All Usability in One

- Convenient click-lock design for effortless installation
- Fearless of any collision with anti-scratch masks and corner protection
- Customized design allowing for various creative installation styles
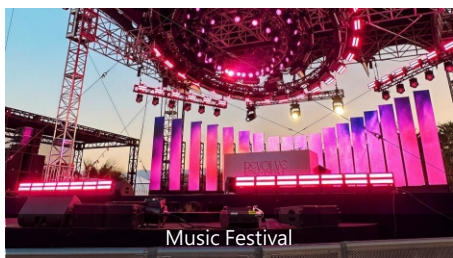- Slimmer, supreme minimalist design to save more space
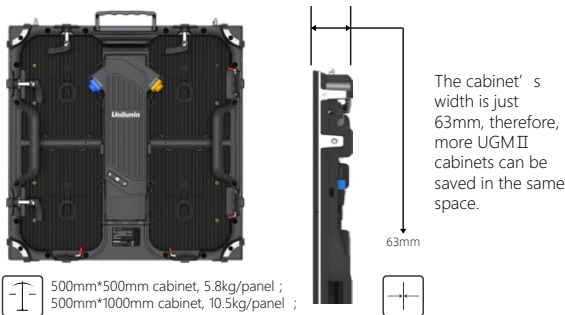
APPLICATIONS

Partner Conference

Auto Show

Music Festival

Model	UGMⅡ2.6	UGMⅡ2	UGMⅡ3	UGMⅡ03	UGMⅡ04
Pixel Pitch	2.6mm	2.9mm	3.9mm	3.9mm	4.8mm
Pixel Density	147,456 Pixel/m²	112,896 Pixel/m²	65,536 Pixel/m²	65,536 Pixel/m²	43,264 Pixel/m²
LED type	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 SMD	3-in-1 SMD
Panel Size (W×H×D)	500 × 500 × 63mm	500 × 500/1000 × 63mm	500 × 500/1000 × 63mm	500 × 500/1000 × 64mm	500 × 500/1000 × 64mm
Panel Resolution	192 × 192	168 × 168	128 × 128/256	128 × 128/256	104 × 104/208
Curve (Convex - Concave)	-10° ~ 10°				
Ingress Protection	IP30	IP30	IP30	IP65	IP65
Maintenance	Front & Rear			Rear	
Brightness (cd/m²)	800cd/m²	800cd/m²	800cd/m²	4,000cd/m²	3,800cd/m²
Viewing Angle(°)	160°/160°	160°/160°	160°/160°	140°/120°	140°/120°
Panel Weight	6kg	5.9kg	5.8kg/10.5kg	6.4kg/11.4kg	6.4kg/11.4kg
Contrast Ratio	4000:1	3000:1	3000:1	3000:1	3000:1
Gray Scale	14bit				
Refresh Rate	3840Hz				
Input Power/Panel <Max/Avg>	120/40 W	240/80W			
Input voltage(V)	100~240 V				
Standard Mounting Configuration	Hanging, Stacking				

Lightweight

The cabinet's width is just 63mm, therefore, more UGMⅡ cabinets can be saved in the same space.

63mm

500mm*500mm cabinet, 5.8kg/panel；
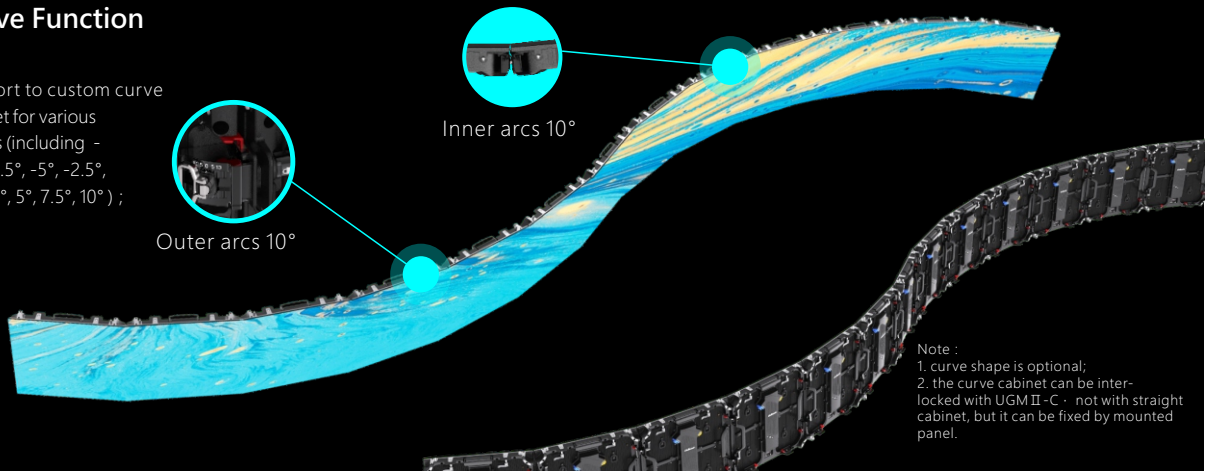500mm*1000mm cabinet, 10.5kg/panel ；

Click-lock
True Single-person Installation

- Click to pop up the King PIN；
- Complete the lock by touching the upper and lower modules；
- Reinforce the lock in one click.

Curve Function

Support to custom curve cabinet for various angles (including -10°, -7.5°, -5°, -2.5°, 0°, 2.5°, 5°, 7.5°, 10°) ；

Inner arcs 10°

Outer arcs 10°

Note :
1. curve shape is optional;
2. the curve cabinet can be inter-locked with UGMⅡ-C，not with straight cabinet, but it can be fixed by mounted panel.

Flip-shield Corner Protection

Lowering the collisions risk of the lamp face during transportation.
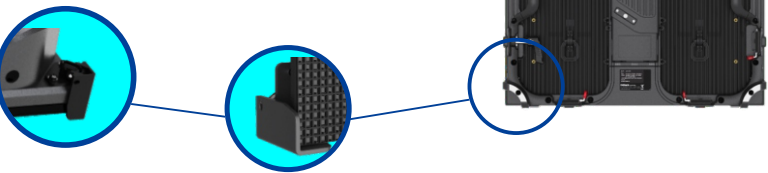
Note: corner protection is optional

Antil-scratch Protection of The Lamp Face

- The salient point design of the mask enhances the crashworthiness of the module surface;
- Lamp pin dispensing process makes thrust strengthened；
- Reduce the maintenance cost of the lamp;

ABS Technology（Advanced Backup Sharing）
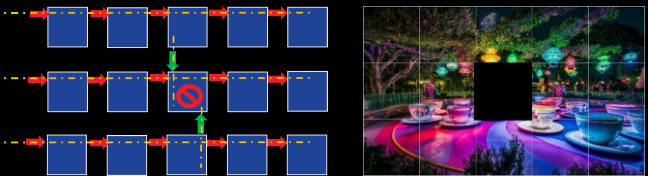
Quickly solve the power failure of the power box without disassembly. When a power failure, power cord failure or aviation plug failure occurs, the adjacent cabinets will share the output current to make the screen display normally.

Note :
1. ABS technology is optional;
2. The realization of the ABS function needs the connection of current sharing backup line.

ABS interface

Comfortable Big Handle
Convenient to grasp and move;

Rear Maintenance Module
Compatible modules between 500*500 and 500*1000 cabinets;

Interdependent Power Box Design
Modular design of power box for fast-switch service;

Note: UGMⅡ 500 * 500mm and 500 * 1000mm power supply box are not compatible.

UGN II
HD Meets Creativity

- Detachable lock design-quick shift of cabinet models
- High flexibility with no limited shapes -realize your endless imagination
- Real one-person installation for fewer labor costs and more convenience
- Carefree-level stability- operation with high protection and stability
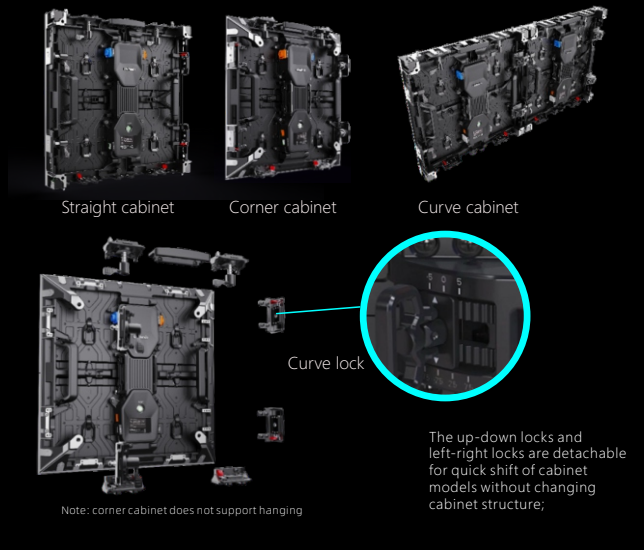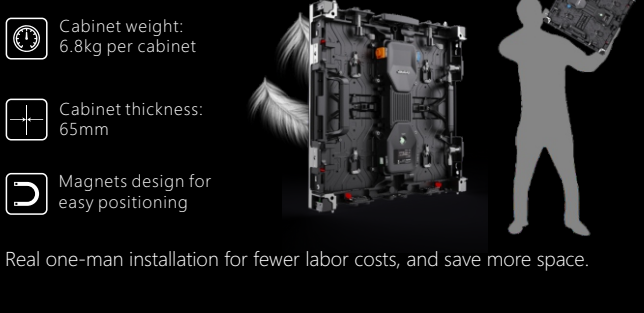
APPLICATIONS

Seminar

XR Studio

Exhibition

Model	UGN II 1.2	UGN II 1.5	UGN II 1.9	UGN II 2.6
Pixel Pitch	1.2mm	1.5mm	1.9mm	2.6mm
Pixel Density	640,000 pixels/m²	409,600 pixels/m²	262,144 pixels/m²	147,456 pixels/m²
LED type	3-in-1 Black SMD			
Panel Size (W×H×D)	500 × 500 × 66mm			
Panel Resolution	400 × 400	320 × 320	256 × 256	192 × 192
Curve (Convex - Concave)	-2.5°~+5°	-2.5°~+5°	-7.5°~+7.5°	-7.5°~+7.5°
Ingress Protection	IP30			
Maintenance	Front & Rear			
Brightness (cd/m²)	500cd/m²	800cd/m²	800cd/m²	800cd/m²
Viewing Angle(°)	150°/150°	150°/150°	150°/150°	160°/160°
Panel Weight	7kg			
Contrast Ratio	3000:1	4000:1	4000:1	4000:1
Gray Scale	16bit			
Refresh Rate	3840Hz			
Input Power/Panel <Max/Avg>	120/40 W			
Input voltage(V)	100~240 V			
Standard Mounting Configuration	Hanging, Stacking			

Detachable Lock Design

Straight cabinet   Corner cabinet   Curve cabinet

Curve lock

The up-down locks and left-right locks are detachable for quick shift of cabinet models without changing cabinet structure;

Note: corner cabinet does not support hanging

Curving
Ideal curving for all your desires

Concave up to 7.5°
Convex up to 7.5°

Note :
1. Curve cabinet is optional;
2. The curve cabinet can be inter-locked with straight cabinet, and it can be fixed without mounted panel.

Convenient Installation

Cabinet weight: 6.8kg per cabinet

Cabinet thickness: 65mm

Magnets design for easy positioning

Real one-man installation for fewer labor costs, and save more space.

Front and Rear Maintenance

Front maintenance   Rear maintenance   Power Box*

UGN II can be maintained with fewer labor costs and more convenience.

*The rear maintenance function for power box is optional

Reliable Protection

Comprehensive protection to avoid lamp face damage, less maintenance costs

Fully Automatic Corner Protection   COS Technology

ABS Technology*

Quickly solve the power failure of the power box without disassembly

*Optional
Note: The realization of the ABS function needs the connection of current sharing backup line

Ultra-stable Operation

Black screen
Dual power input
Dual power supply*
Dual signal input
Display error
Unstable Display

Multiple guarantees ensure UGN II operate with high stability

*Optional

True-to-life Image Presentation
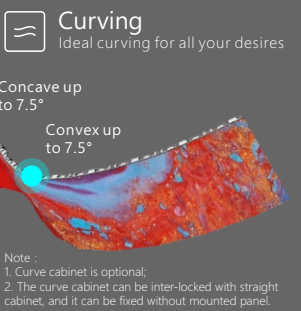
Refresh rate
UGN II   Conventional

Gray scale
Conventional   UGN II

Unilumin

UGN II can present high-definition content to unlock more NNP indoor applications

16bit gray scale

3840Hz refresh rate

P1.5/1.8/2.6 available
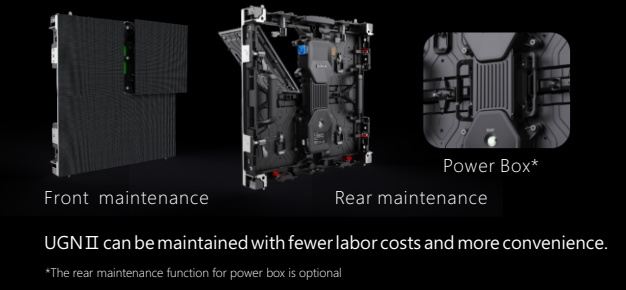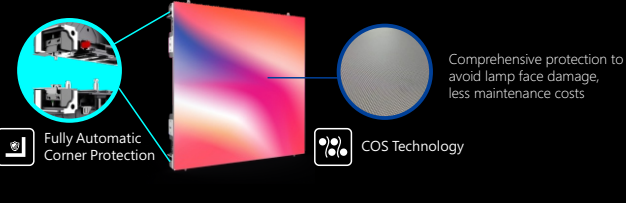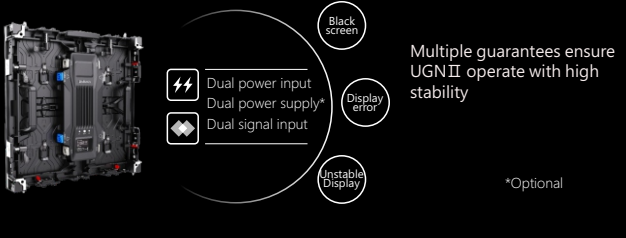
Utile EA
Lightweight but Robust
For Indoor and Outdoor

reddot winner 2024

- -10°~+10° wide range curving supports various splicing designs
- Support splicing with cube and flexible cabinets, making every creativity possible.
- Visualized locating Installation for a better aligning experience
- Independent modular design for easier maintenance

APPLICATIONS
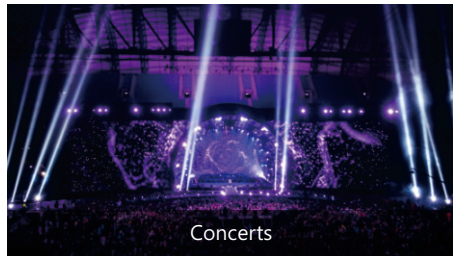
Concerts

Studios

Conferences

Model	Utile EA 2.6 (Indoor)	Utile EA 2.9 (Indoor)	Utile EA 3 (Indoor)	Utile EA 03 (Outdoor)
Pixel Pitch	2.6mm	2.9mm	3.9mm	3.9mm
Pixel Density	147,456 Pixel/m²	112,896 Pixel/m²	65,536 Pixel/m²	65,536 Pixel/m²
LED type	3-in-1 SMD			
Panel Size (W×H×D)	500 × 500 × 68mm	500 × 500 × 68mm/500 × 1000 × 68mm	500 × 500 × 68mm/500 × 1000 × 68mm	500 × 500 × 68mm/500 × 1000 × 68mm
Panel Resolution	192 × 192	168 × 168/ 168 × 336	128 × 128/ 128 × 256	128 × 128/ 128 × 256
Curve (Convex - Concave)	-10°~+10°			
Ingress Protection	IP30	IP30	IP30	IP65
Maintenance	Front & Rear			Rear
Brightness (cd/m²)	800cd/m²	800cd/m²	800cd/m²	4,000cd/m²
Viewing Angle(°)	160°/160°	160°/160°	160°/160°	140°/120°
Panel Weight	7.2kg	7.2kg/12.4kg	7.2kg/12.4kg	7.2kg/12.5kg
Contrast Ratio	3000:1			
Gray Scale	14-16bit			
Refresh Rate	3840/7680Hz			
Input Power/Panel <Max/Avg>	100/30 W	100/30 W	200/60W	100/30 W	200/60W	120/40 W	240/80W
Input voltage(V)	100~240 V			
Standard Mounting Configuration	Hanging, Stacking			

XV
Simplify Your Imagination
Tansparent Screen
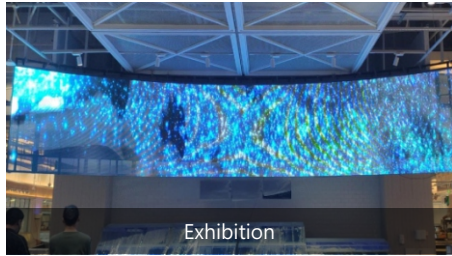

iF DESIGN AWARD 2024

- Keep perfect visual performance while maintaining high transparency
- Allow more lights to come through with high visual transparency
- Ensure excellent durability and reliability with IP65 protection
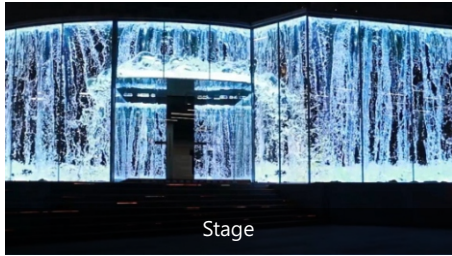- Unlock creativity with ±15° ultra-wide curving and diverse installation methods

APPLICATIONS

Music Festival

Exhibition

Stage

Model	XV 0307
Pixel Pitch	3.9-7.8mm
Pixel Density	32,768 pixels/m²
LED type	3-in-1 SMD
Panel Size (W×H×D)	500mm × 500mm × 80mm
Panel Resolution	256 × 64
Curve (Convex - Concave)	- 15° ~ +15°
Ingress Protection	IP65
Maintenance	Rear
Brightness (cd/m²)	2000-4000 cd/m²
Viewing Angle(°)	150°/150°
Panel Weight	6.8kg
Contrast Ratio	4000:1
Gray Scale	14bit
Refresh Rate	3840Hz
Input Power/Panel <Max/Avg>	320/120 W
Input voltage(V)	100~240 V
Standard Mounting Configuration	Hanging, Stacking

UpadIV HB

Embrace Bigger Touring Stage
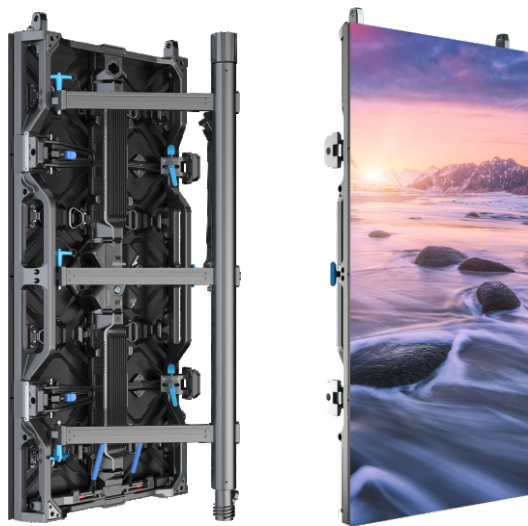
- Unprecedented Visual Effects – intense contrast of 8000:1 and high refresh rate of 7680Hz

- Sophisticated Outdoor Touring System – maximum hanging height of 15 meters

- Steady Display Performance – independent heat dissipation and EMC, facilitating the transfer of heat away and the stability of the display system

- Friendly Electricity System – dynamic energy-saving up to 14% reduction and safer low leakage current of ≤ 1mA per panel

APPLICATIONS
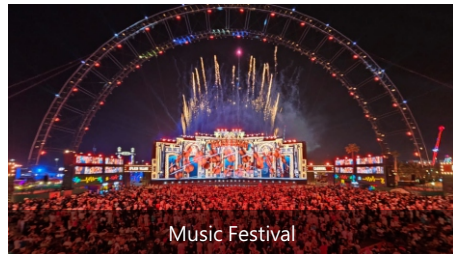
Carnival
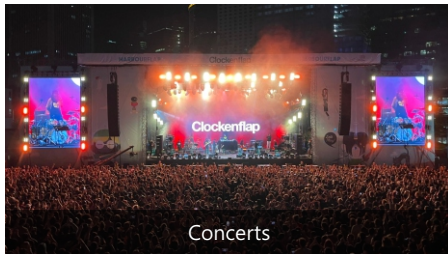
Concerts

Music Festival

Model	UpadIV HB03	UpadIV HB04	UpadIV HB05	UpadIV HB07
Pixel Pitch	3.9mm	4.8mm	5.9mm	7.8mm
LED type	3-in-1 Black SMD	3-in-1 Black SMD	3-in-1 SMD	3-in-1 SMD
Panel Size (W×H×D)	500 × 1000 × 93 mm 19.69" × 39.37" x 3.66"			
Panel Resolution	128 x 256	104 x 208	84 x 168	64 x 128
Curve (Convex - Concave)	-10° ~ +10°			
Ingress Protection	IP65			
Maintenance	Rear			
Brightness (cd/m²)	4,500 cd/m²	4,500 cd/m²	5,000 cd/m²	10,000 cd/m²
Viewing Angle(°)	140°/120°			
Input voltage(V)	100~240 V			
Panel Weight	19.5kg, 22.5kg(with wind-bracing frame)	19.5kg, 22.5kg(with wind-bracing frame)	19.5kg, 22.5kg(with wind-bracing frame)	22kg, 24.5kg(with wind-bracing frame)
Contrast Ratio	8000:1	8000:1	5000:1	8000:1
Gray Scale	14bit			
Refresh Rate	7680Hz			
Input Power/Panel (Max/Avg)	290/100W			
Standard Mounting Configuration	Hanging, Stacking			

Bright Star	Robust Transformer	Reliable Partner	Effective Safeguard
Unprecedented Visual Effects	Sophisticated Touring System	Steady Display Performance	Friendly Electricity System

Exceptional Performance in Strong Sunlight

- 5,000nits brightness (10,000nits for HB07)

- 8,000:1 contrast ratio

- Black SMD for HB03/04
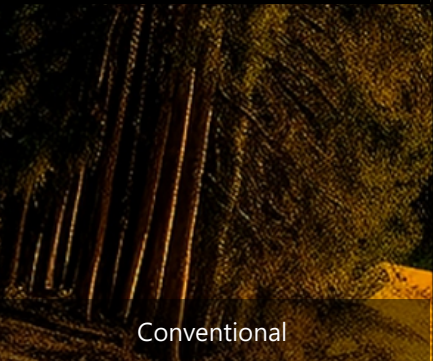The screen is clear and sharp, shining like a diamond in the sun.

Cinema-grade Display Effects

Gray Level

7680 Hz and a large grayscale of **14 bits** for the whole series

UpadIV HB reproduces smooth and subtle gradations of light and shade, immersing the audience in unforgettable visual experiences.
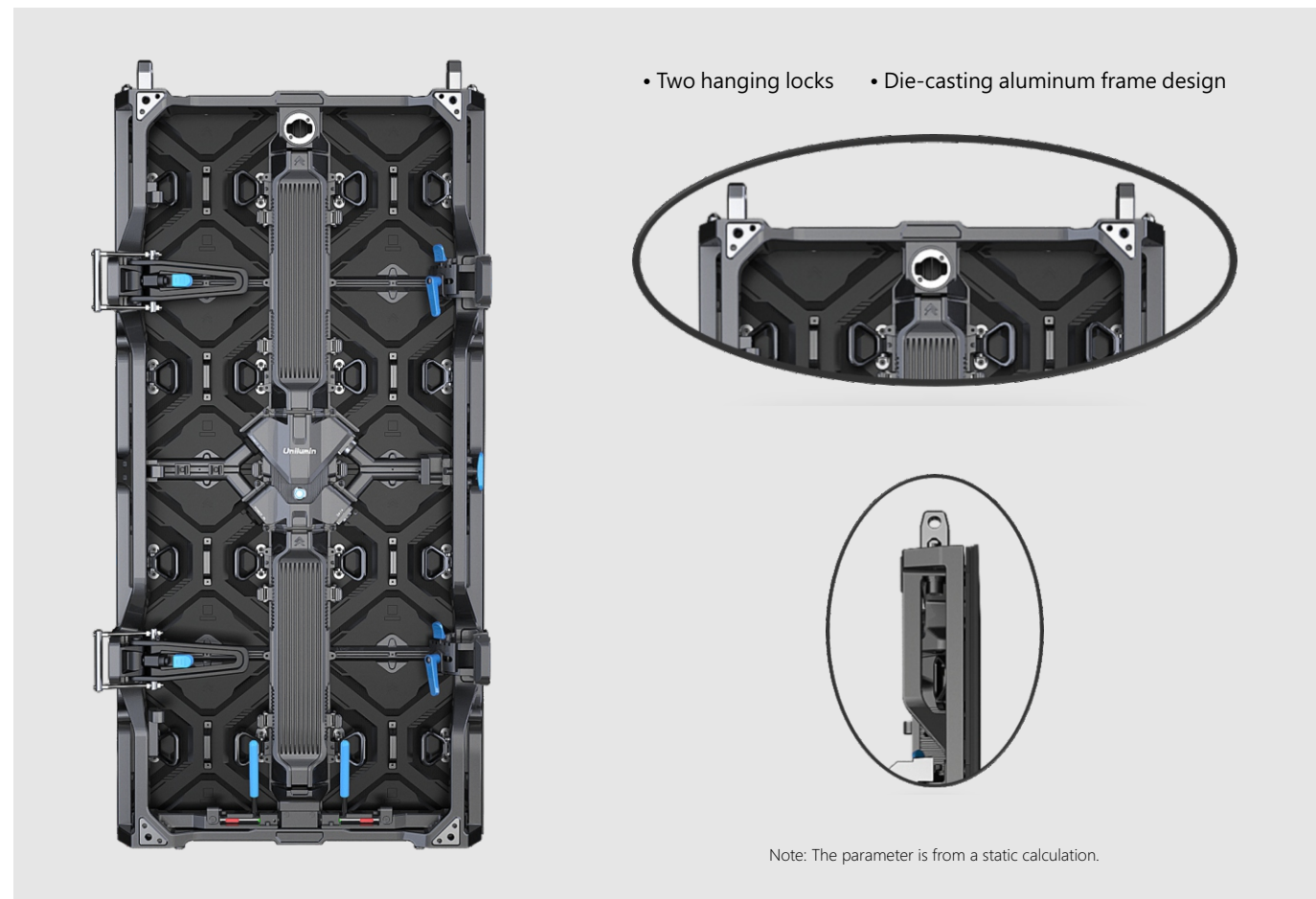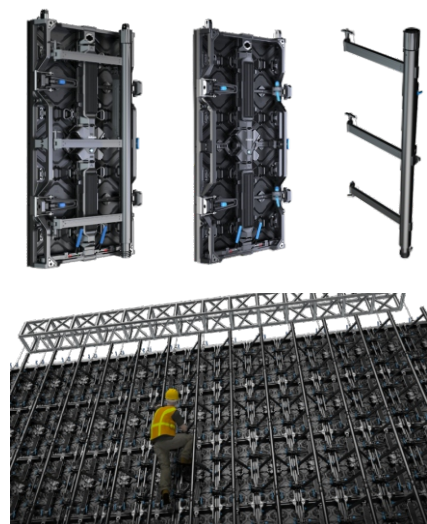
UpadIV HB   Conventional

Superior Strength

• Two hanging locks   • Die-casting aluminum frame design

Note: The parameter is from a static calculation.

Versatile Wind-bracing Frame

• **Foldable**: you can save space for transportation and storage
• **Detachable**: you can take down the independent frames from the panels when there is no need
• **Climbable**: you can climb the frames behind the panels for fast maintenance

Efficient Touring Dolly

15 in 1 and **30 in 1** dolly for efficient and convenient transportation

2-in-1 Stacked Dolly   Double-stacked Dolly

Efficient Touring Dolly

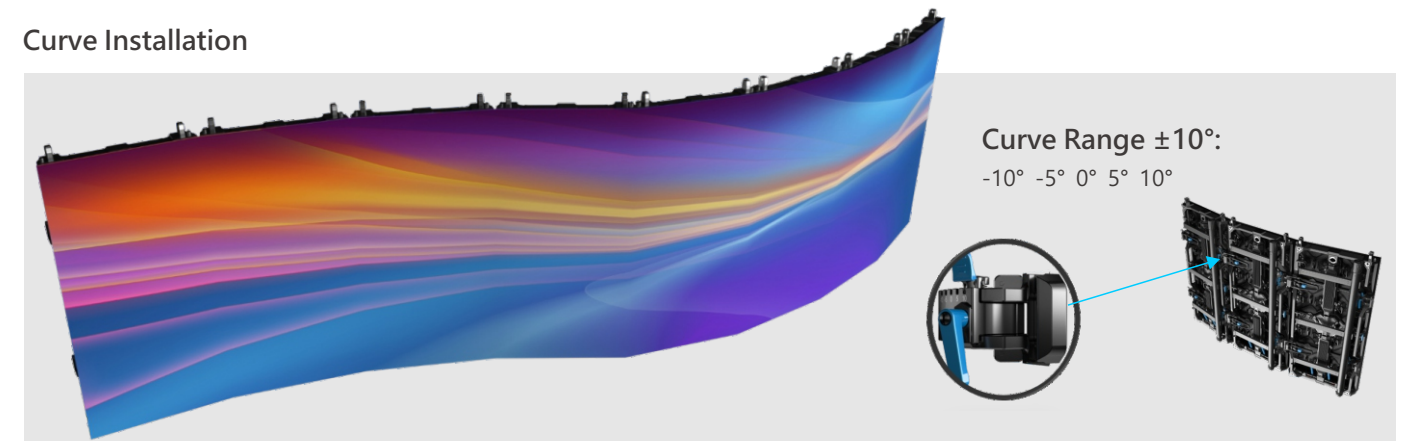The two covers and floor of every dolly can be stacked for storage, to help you save the space and cost.
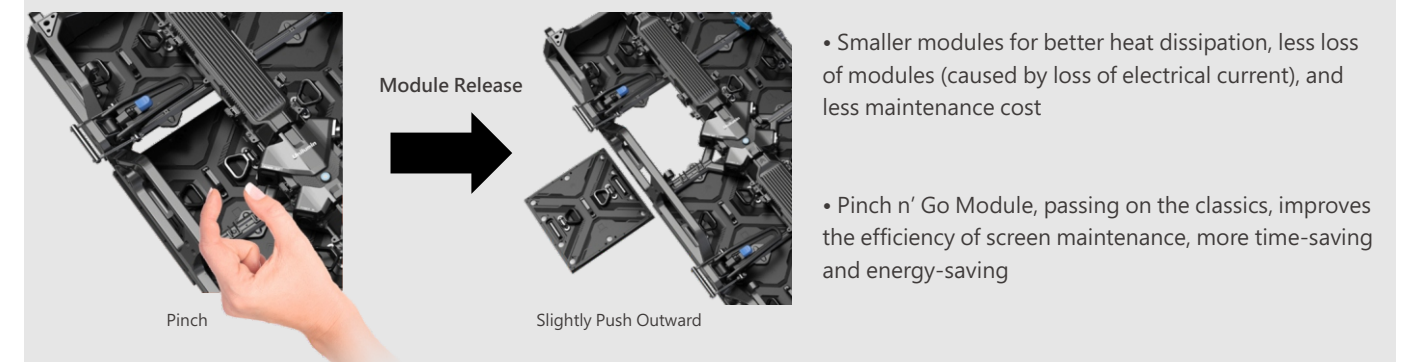

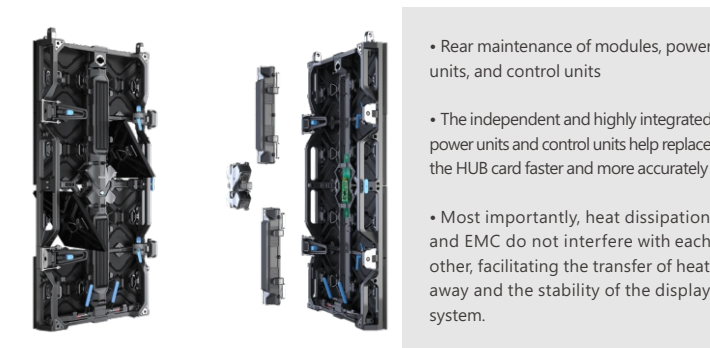Stacked Covers for Storage   Stacked Floors for Storage

Curve Installation

Curve Range ±10°:
-10° -5° 0° 5° 10°

Fast Rear Maintenance -- Pinch n' Go Module

Module Release

Pinch   Slightly Push Outward

• Smaller modules for better heat dissipation, less loss of modules (caused by loss of electrical current), and less maintenance cost

• Pinch n' Go Module, passing on the classics, improves the efficiency of screen maintenance, more time-saving and energy-saving

Modular Power and Signal Box

• Rear maintenance of modules, power units, and control units

• The independent and highly integrated power units and control units help replace the HUB card faster and more accurately

• Most importantly, heat dissipation and EMC do not interfere with each other, facilitating the transfer of heat away and the stability of the display system.

Dynamic Energy-saving

Dynamic energy-saving allows UpadIV HB to save significantly on electrical consumption in sleep mode and in black and white display, with up to 14% reduction
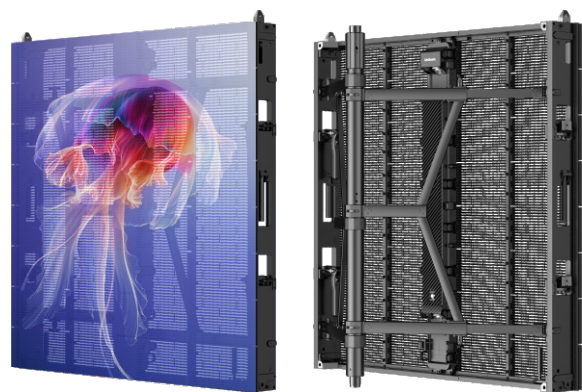
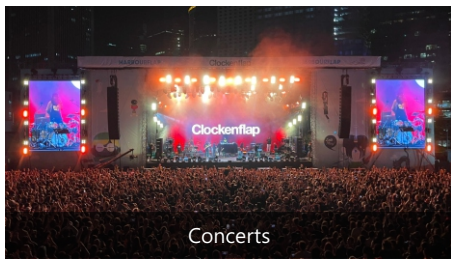# UpadIV ME Visible and Invisible, We are Capable

- Jaw-dropping Display Effects – high refresh rate of 7680Hz and large grayscale of 14 bits

- Higher levels of transparency – up to 50%

- Reliable Touring System – maximum hanging height of 24 meters

- Wide Curve Range – from (Convex) -15° to 15°(Concave), 2.5° per unit
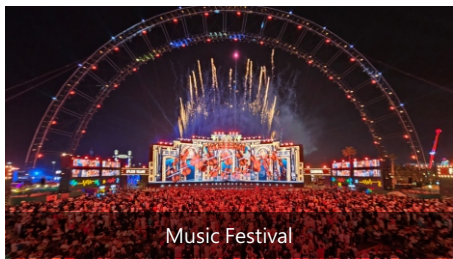
APPLICATIONS

Carnival

Concerts

Music Festival

Model	UpadIV ME07
Pixel Pitch	7.8mm
LED type	3-in-1 SMD
Panel Size (W×H×D)	1000 × 1000 × 103 mm 39.37" x 39.37" x 4.06"
Panel Resolution	128 x 128
Curve (Convex - Concave)	-15°~+15°
Ingress Protection	IP65
Maintenance	Rear
Brightness (cd/m²)	5,000 cd/m²
Viewing Angle(°)	140°/120°
Input voltage(V)	100~240 V
Panel Weight	18.7kg, 24kg(with wind-bracing frame)
Contrast Ratio	4000:1
Gray Scale	14bit
Refresh Rate	3840Hz
Input Power/Panel (Max/Avg)	510/170W
Standard Mounting Configuration	Hanging, Stacking

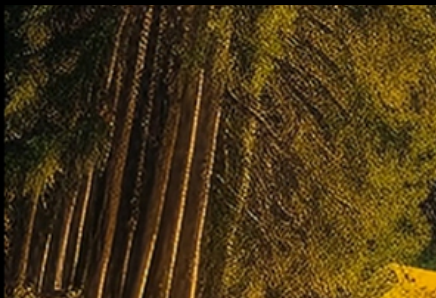**Stunning Visual Effects**

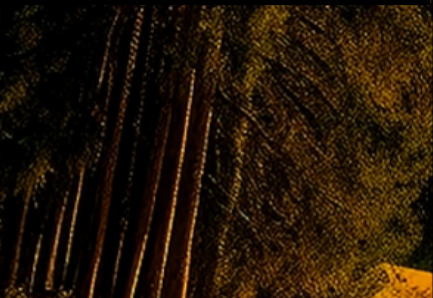**Light but Robust Structure**

Reliable Touring System

Jaw-dropping Display Effects

Gray Level

High refresh rate of **3,840 Hz** and a large grayscale of **14 bits**, UpadIV ME represents clear and smooth pictures, for creative and interactive display solutions.

UpadIV HB
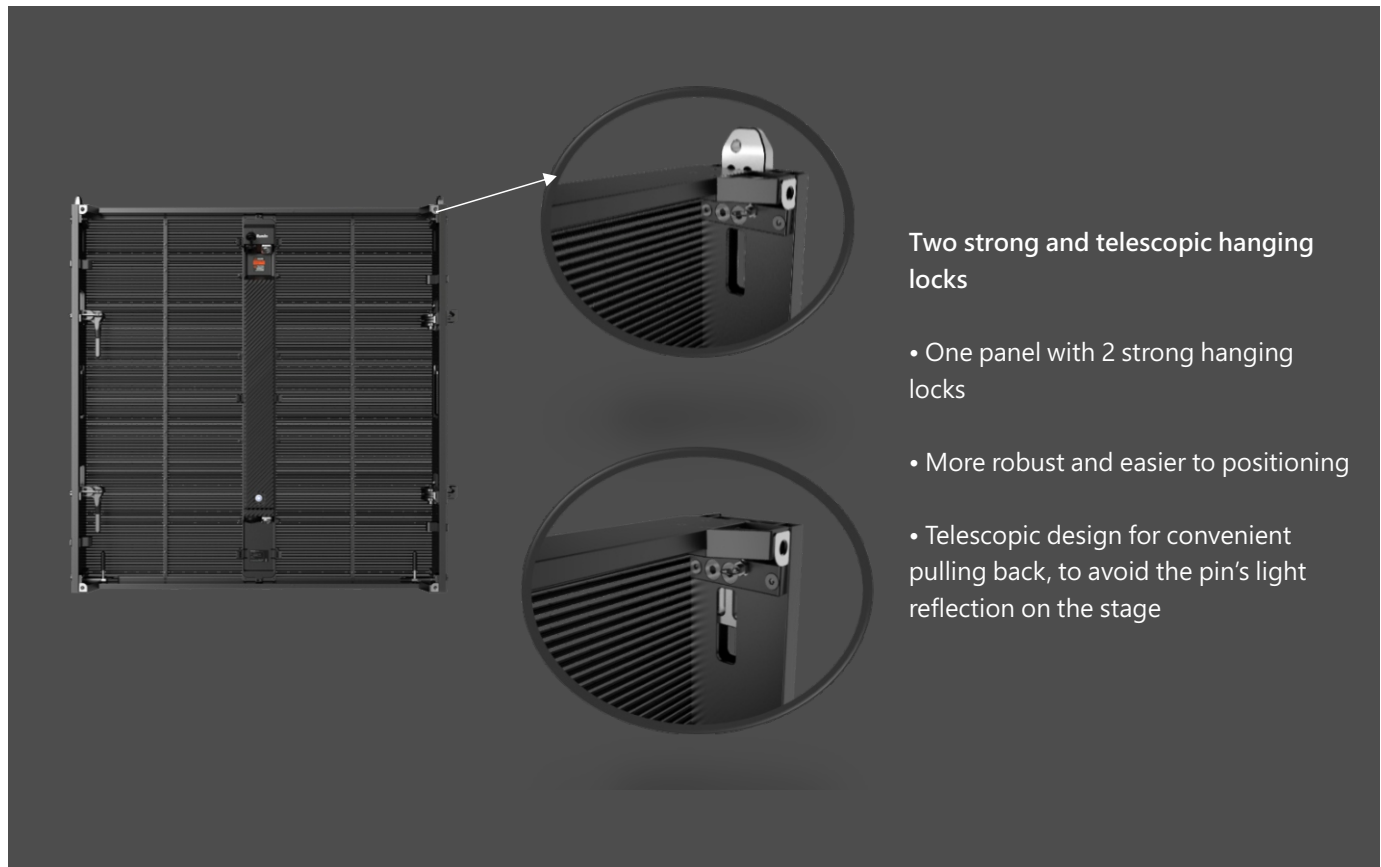
Conventional

Ultra-high Transparency

Transparency up to **50%** without compromising image quality and the broadcast of sound behind the stage, looks simple, neat, and high-grade.

Lighter

18.7 kg/panel

UpadIV ME07 weighs lighter
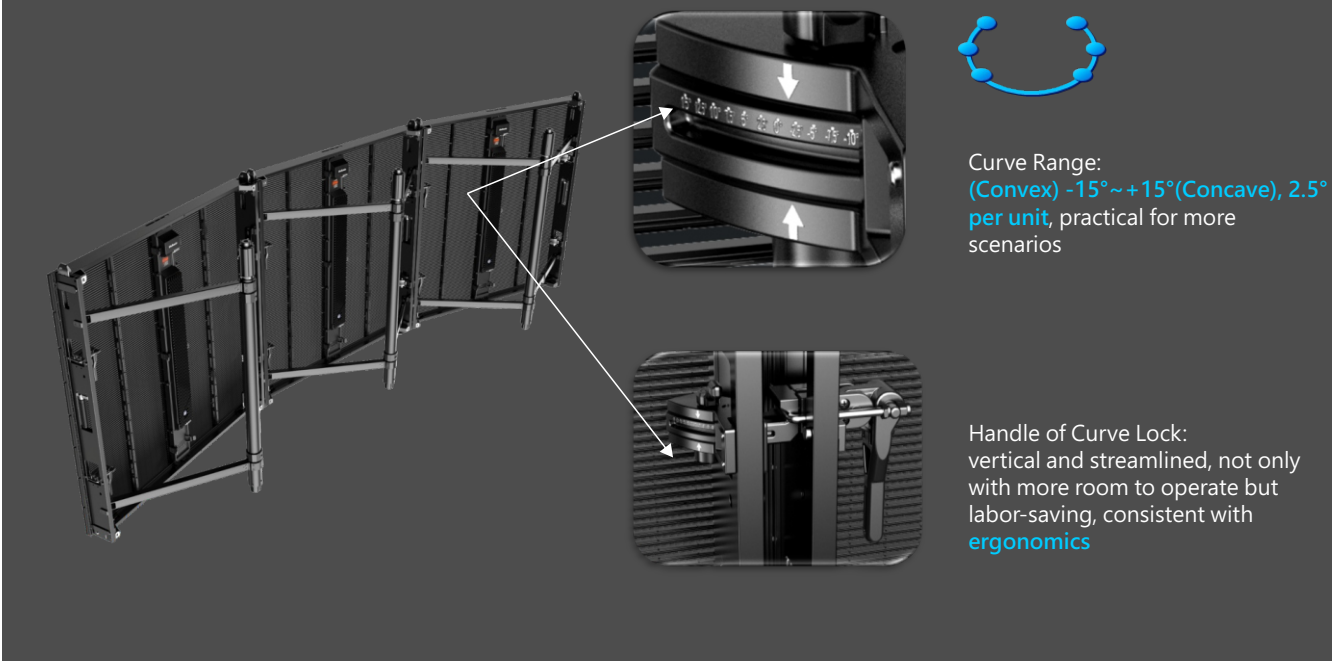
22% than its conventional counterparts.

Robust Structure

Two strong and telescopic hanging locks

• One panel with 2 strong hanging locks

• More robust and easier to positioning

• Telescopic design for convenient pulling back, to avoid the pin's light reflection on the stage

Curve Installation

Curve Range:
(Convex) -15°~+15°(Concave), 2.5° per unit, practical for more scenarios

Handle of Curve Lock:
vertical and streamlined, not only with more room to operate but labor-saving, consistent with **ergonomics**

Flexible Wind-bracing Frame

• **Foldable**: you can save space for transportation and storage
• **Detachable**: you can remove the independent frames from the panels when there is no need
• **Climbable**: you can climb the frames behind the panels for fast maintenance

Fast Rear Maintenance

The modular design allows fast rear maintenance of modules and power, ensuring efficiency and convenience of serviceability without disrupting system operation
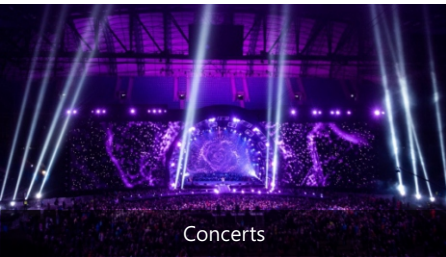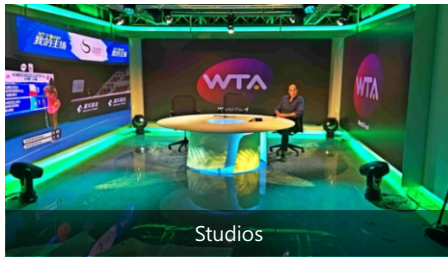
XF Series

Purpose-designed Floor Display

- Stunning bearing load, up to 2.5T/m²

- Special bevel edge design for stage elevation

- Multiple sealed protection

## APPLICATIONS

Concerts

Studios

Shows

Model	XF02
Pixel Pitch	2.9mm
LED type	3-in-1 SMD
Panel Size (W×H×D)	500mm×500mm×86mm
Panel Resolution	168 x 168
Ingress Protection	IP65
Maintenance	Front
Brightness (cd/m²)	1,200 cd/m²
Viewing Angle(°)	140°/140°
Input voltage(V)	100~240 V
Operation temperature & humidity(℃/RH)	20℃~50℃/10~90%RH
Panel Weight	13.5 kg/panel
Contrast Ratio	10000:1
Gray Scale	14-16bit
Refresh Rate	3840/7680Hz
Input Power/Panel (Max/Avg)	120/40W

Intense Contrast
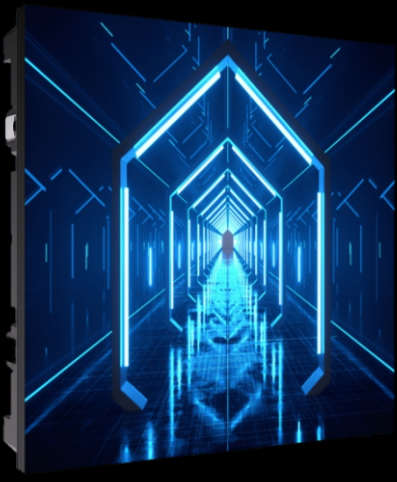
Dark-grey tempered glass finish allows a contrast ratio of **10000:1**, with 1200cd/㎡, 14~16bits and 3,840/7,680Hz, vivid color reproduction and stunning visual effects are guaranteed. The interaction between screens and lights makes the stage more shining and bright.

Comfortable Handle
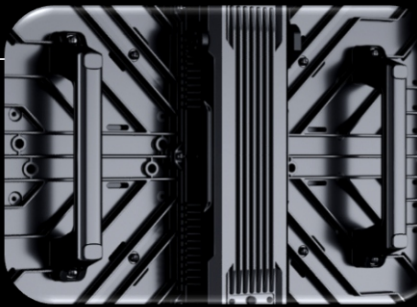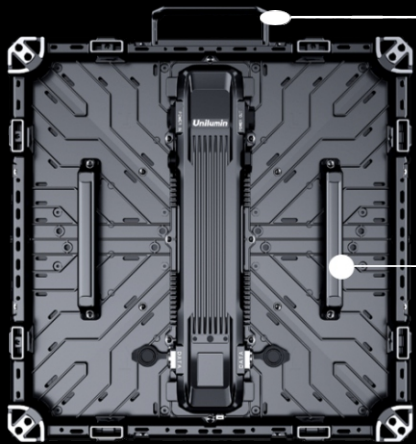
- Comfortable large carrying handle with gears to limit place, easy to hold
- Two module handles for easy transport and installation

Change of Stage Elevation

Special bevel edge design ensures smooth transitions and prevents damage or collisions during the rise and fall of the stage.

Effective Protection

· Outdoor gluing solutions, high Ingress protection of **IP65**

· **7H-grade tempered glass**, easy to clean and scratch-resistant

· Metal-wrapped edges for better impact resistance

Dance Freely, Noise Free
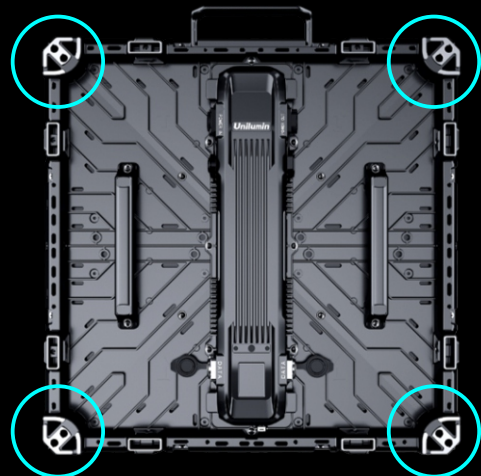
Unique shock-free and buffer design for noise reduction and shock absorption, even dancing will not produce excessive noise.

Optional for Wall Screen

Equipped with magnetic side locks, the top and left locks are universally compatible for

quick transfer

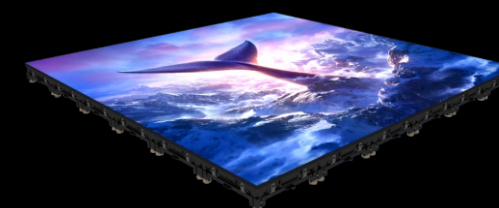between floor screens and wall screens, so the screen is fully utilized and helps clients improve ROI.
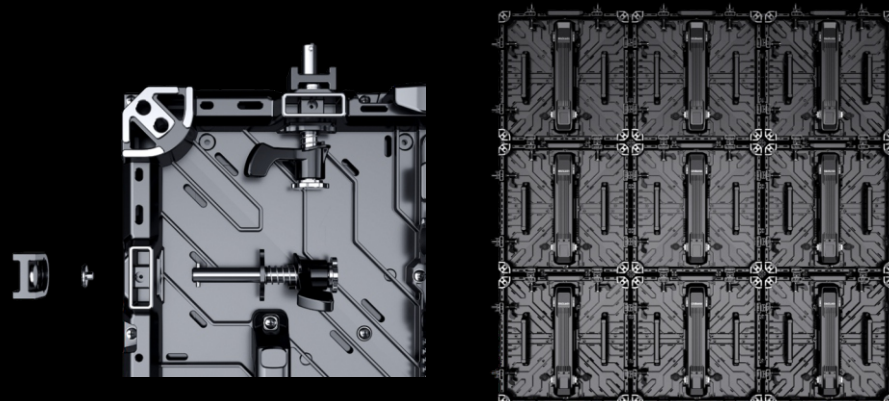
Remarkable Load Capacity

Adopting a multi-point support structure design, the bearing capacity reaches **2.5T/㎡**, it can even park cars
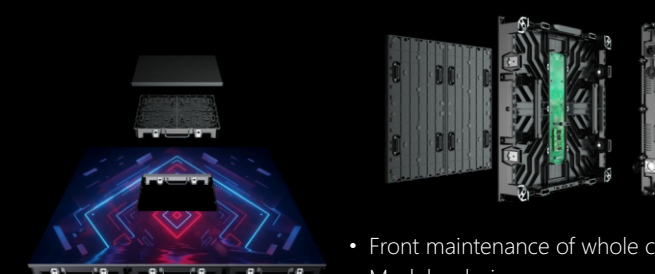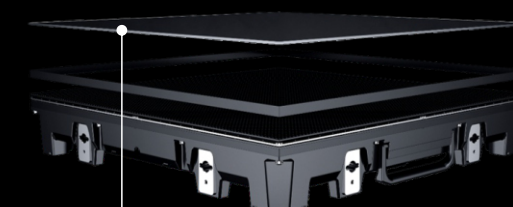
Floor Screen Installation

1-in-1 and 2-in-I frames for installation, with foot cups of adjustable height from 0 to 20mm, adapting all kinds of floor conditions.
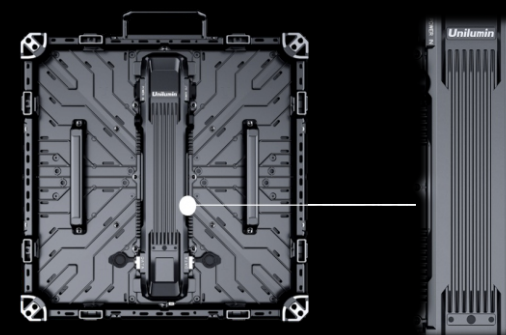
Fast Maintenance

· Front maintenance of whole cabinet
· Modular design

· Separate hemming for efficient and low-cost maintenance

Efficient Thermal Management

Power supply unit
Integrated Die-casting molding
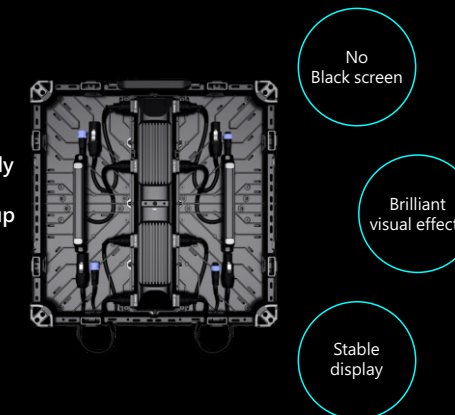
Heat dissipation rib
Increase heat dissipation area to accelerate the removal of heat from the panel

Stability with Dual Backup Design

No Black screen

Dual power supply
+
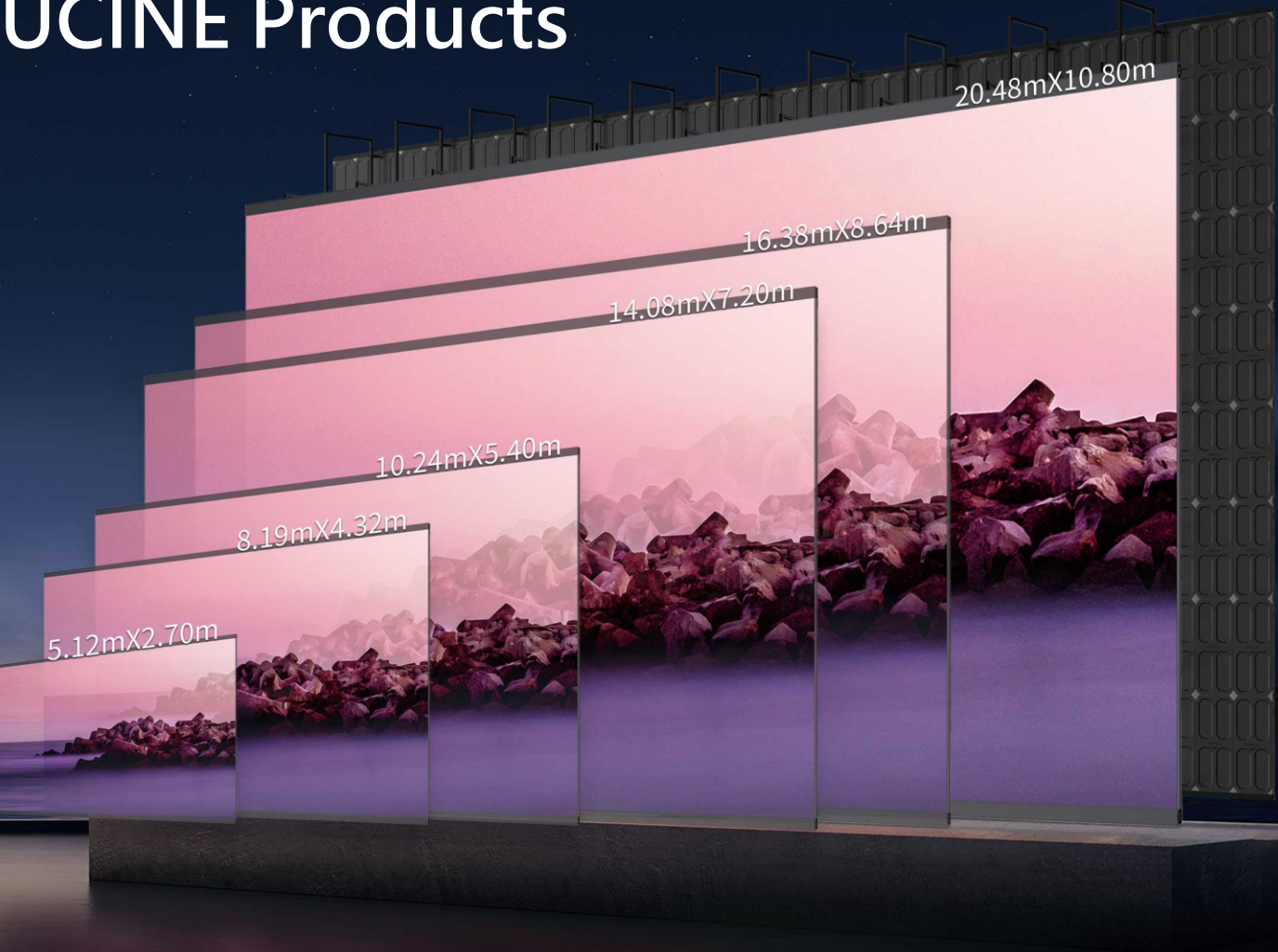Dual signal backup

Brilliant visual effects

Stable display

Two sets of independent power and signal supply systems integrated in one DISPLAY SCREEN, ensure the safety and stability of important activities.

UCINE Products

20.48mX10.80m
16.38mX8.64m
14.08mX7.20m
10.24mX5.40m
8.19mX4.32m
5.12mX2.70m

Product Parameter

Series	2K		4K			
Product	UC-B21 (Coming soon)	UC-A21	UC-A43	UC-A42	UC-A41	UC-A40 (Coming soon)
Pitch (mm)	2.5	4	2.5	3.33	4	5
Series (m)	5.12×2.7	8.19×4.32	10.24×5.4	14.08×7.2	16.38×8.64	20.48×10.8
Resolution (px)	2,048×1,080	2,048×1,080	4,096×2,160	4,096×2,160	4,096×2,160	4,096×2,160
Power consumption per cabinet (W)	47(48nit) 86(300nit)	72(48nit) 120(300nit)	47(48nit) 86(300nit)	45(48nit) 83(300nit)	72(48nit) 120(300nit)	42(48nit) > 37(48nit)
2D Frame Rate (fps)	96					
3D Frame Rate (fps)	48					
Brightness (typ/max)	48nit/300nit					
Contrast (In dark room)	∞：1					
Gray Scale	16					
Lifetime (h)	100,000					

DCI Certification

Digital cinema for diversified businesses
Brings ultimate visual experience for the audience

• Totally has **6** DCI-certified products, leading the industry

Uniform Brightness and Color

UCINE LED Screen

Traditional

DCI-P3 Color Gamut with 40000:1 Contrast

Display and Control Integration More Seats for More Turnover

Traditional Cinemas

Cinemas deploy UCine System

High Level Security System, Meet FIPS + IMB Grade

IMB

IMB

*Exclusive 2D@96 frames/3D@48 frames playback with brighter and clearer 3D effect
*More energy-saving, longer life span
*16m-8m and customized sizes available

• Unilumin released the **world's first** Acoustically Transparent LED Display

Industry Challenges:

The current movie screen uses a fully enclosed cabinet, with almost no sound permeability

✓ Satisfies the standard of sound return for perforated screen

✓ Sound and image consistency

For your highly efficient meeting experience with long-time eye-comfortable viewing

UTV SC All-in-one

- Full flip chip COB
- Common cathode
- EBL+ technology

Cinema-Grade Quality

Smooth handling
- Remote control
- 3-in-1 on/off key
- Support four screen projection
- Multiple types of interfaces

Smooth Optical Technology
Reduce eye fatigue during viewing
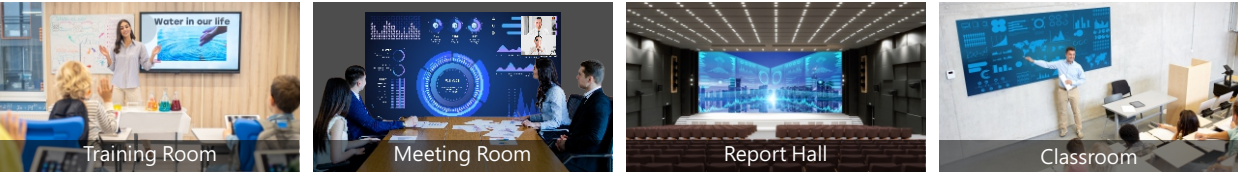
- Real pixel **dot to dot** HD display effect
- **TüV** anti-blue light
- Built-in **audio** system
- **60%** energy saving compared with conventional displays
- Multi-protection
- **5 gigabit** (Faster and more stable than standard 1.2 Gigabit transfers)

APPLICATIONS

Training Room　　Meeting Room　　Report Hall　　Classroom

Elevate your meeting efficiency Comprehensive upgrades for a better experience

UTV W All-in-one

- All-in-one High Integration Design
- Robust & Stable with Strong Inner Core
- 16:9 dot to dot display

- **3840Hz** refresh rate **400nits** adjustable
- Plug and play. one click for casting
- Thickness of **46mm**/cabinet, minimalist Design
- Modular fast assembly
- Newly Upgrade. Android **11.0** system, **8G+64G** memory
- **8-core** processing chip, support H2.65 4K codec

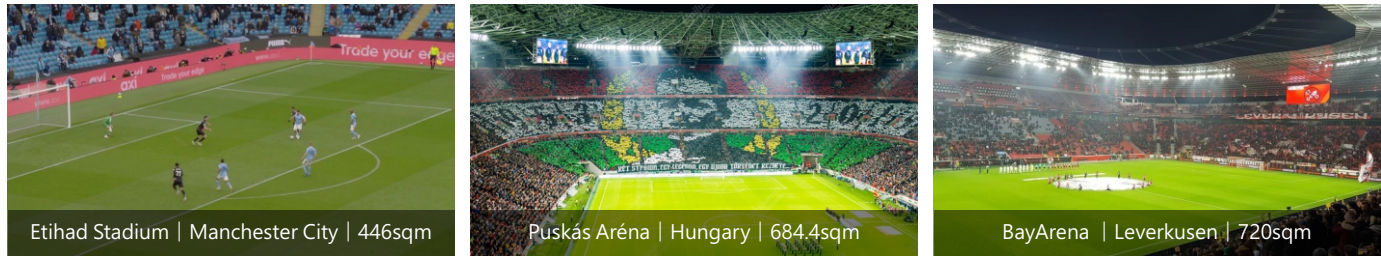| Model	UTV SC108	UTV SC135	UTV SC162U	UTV W135	UTV W162
Size (inch)	108	135	162	135	162
Display Ratio	16:9				
Resolution (W*H)	1920 (H) x 1080 (V)				
Pixel Pitch (mm)	1.25	1.5625	0.9375	1.5625	1.875
Weight (kg)	80	126	180	148	215
Material	Die-Cast Aluminum				
Maintenance	Front				
Brightness (cd/m²)	600 (adjustable)	600 (adjustable)	600 (adjustable)	400 (adjustable)	400 (adjustable)
Refresh Rate (Hz)	3840				
Contrast Ratio	10000:1	10000:1	10000:1	≥5000:1	≥5000:1
Operating System	Android 11.0				
Operation temperature & humidity(℃/RH)	-10℃～+45℃/10~80% RH				
Standard Mounting Configuration	-20℃～+50℃/10~70% RH				

UsportX

Professional designed for outdoor stadium perimeter

- Light & thin 1600*900*105mm 55Kg
- High refresh rate 7680 Hz
- Emergency door design
- Soft rubber & mask protection
- Dual-backup of power & signal
- Adjustable angle support

APPLICATIONS

Etihad Stadium | Manchester City | 446sqm

Puskás Aréna | Hungary | 684.4sqm

BayArena | Leverkusen | 720sqm

Model	UsportX6	UsportX8	UsportX10	UsportX12
Pixel Pitch	6.25mm	8.33mm	10mm	12.5mm
Pixels Per Panel(W×H)	256×144	192×108	160×90	128×72
Module Size(W×H×D)(mm)	400×300×24			
Panel Size(W×H×D)(mm)	1600×900×105			
Material	Profile Aluminum			
Weight(Kg/panel)	55			
Brightness(cd/㎡)	6000			
Refresh Rate(Hz)	7680			
Processing Depth(bit)	15			
Contrast Ratio	6000:1			
Ingress Protection	IP65			
Input Power (Max. W/m²)	620 -> 650			
Input Power (Avg. W/m²)	207 -> 217			

Soft Rubber Protective Sleeve

Silicone Soft Mask

Safety——Elastic protective sleeve safety design

Soft rubber protective sleeve and silicone soft mask design which can effectively slow down the impact of football or players on the screen and ensure players are protected from injury

Safety——Air switch protection design

Air switch protection design
Single-box power-off maintenance available to ensure personal safety;
Disconnection in case of current overload or short circuit.

Safety——Emergency door design

Emergency door design
Easy access for players and staff;
Quick evacuation through security doors in the event of an emergency.

Safety——Double Guarantee

Dual-backup of power and signal；
Support remote real-time monitoring to ensure the normal and uninterrupted display of the screen and ensure the stable operation of the display.

Usport R Outdoor LED Ribbon Display

- Reliable and Extremely Stable
- Care-free Innovative Designs
- Professional Ribbon Solution

APPLICATIONS

Stade du Roudourou Stadium

Bayer Stadium

Chengdu Phoenix Mountains Stadium
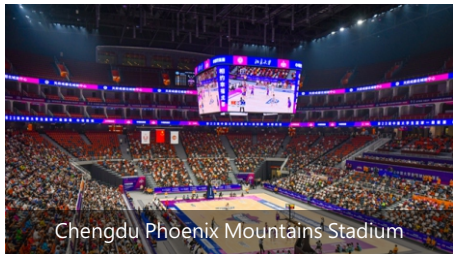
Model	UsportR6	UsportR8	UsportR10
Pixel Pitch	6.67mm	8.33mm	10mm
Panel Resolution	120 x 135 dots	95 x 108 dots	80 x 90 dots
Panel Size(W×H×D)(mm)	800x900x106.5mm		
Pixel Density	22,500 dots/m²	14,400 dots/m²	10,000 dots/m²
Material	Profile Aluminum		
Weight(Kg/panel)	19.5kg		
Brightness(cd/m²)	6,500 – 10,000 cd/m²		
Refresh Rate(Hz)	3840		
Service Access	Top		
Contrast Ratio	(5,500-9,000):1	(5,500-9,000):1	(8,000-16,000):1
Ingress Protection	IP65/IP54		
Operation temperature & humidity(℃/RH)	-20℃~+50℃/10~90%RH		
Standard Mounting Configuration	-30℃~+60℃/10~80%RH		
Input Power (Max. W/m²)	650-800		
Input Power (Avg. W/m²)	217-268		

Reliable and Extremely Stable

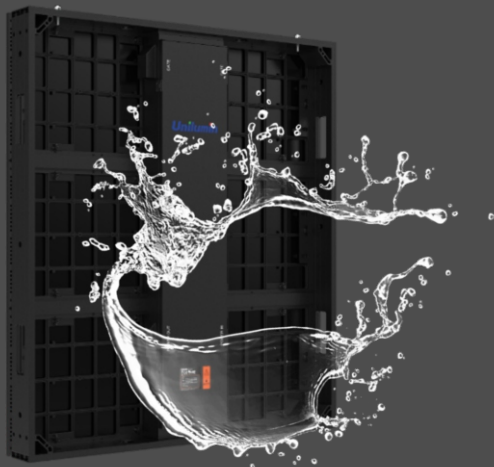### Superior Water-proof Design

· IP65 for superior protection
· Fully enclosed waterproof design
· Hollow shell design
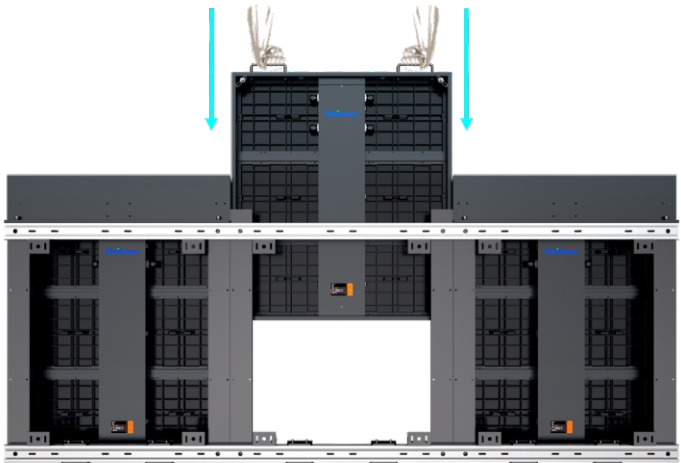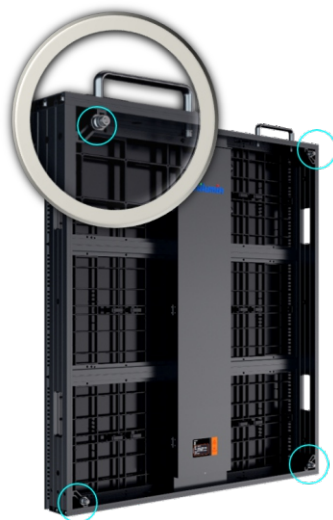· Double-sided gluing design

Efficient Heat Dissipation

No fan power supply, close to back cover, efficient heat dissipation, high temperature resistance, more quiet

Practical Pulley Design

The four corners of the cabinet are designed with pulleys, which can accelerate installation with the top handles

UsportMAⅡ

Gymnasium Cube Display Solution

- Top-class Immersive Viewing Experience with Dynamic HDR Technology
- Ultra Clear Image with 7680 Refresh Rate
- Enjoy events with No Visual Dead Zones
- Reliable with Ultra-high Stability
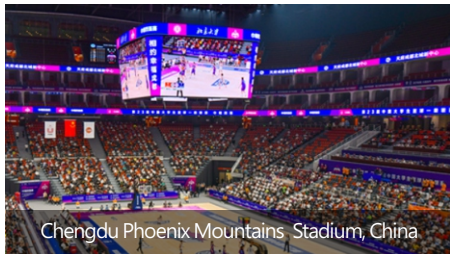- Convenient Installation and Maintenance

APPLICATIONS

Ningbo Olympic Sports Center Gymnasium, China

Wukesong Culture and Sports Center, China

Chengdu Phoenix Mountains Stadium, China

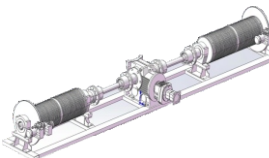## Easy to Install and Rear Maintenance

Screw-on

The modules are connected with a row of pins, aligned with the box and then fixed with screws;
Rear maintenance, no wiring and gap adjustment required, effectively saving installation and maintenance time.
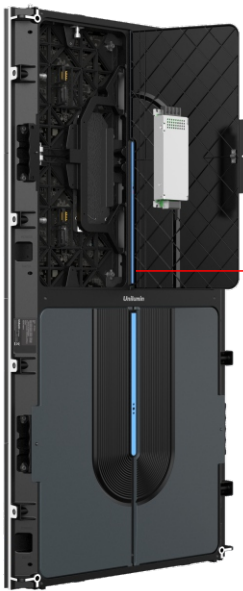
Electric Hoist

Winch

Stable and Good Heat Dissipation

heat sink rib design

- **Air plug design**
  Power and signal cable connections are quick, easy and stable.

- Power supply box **heat sink rib design + fanless power supply**
  Heat is introduced into the air through the radiating ribs, the heat dissipation effect is good, and the display effect is more stable;
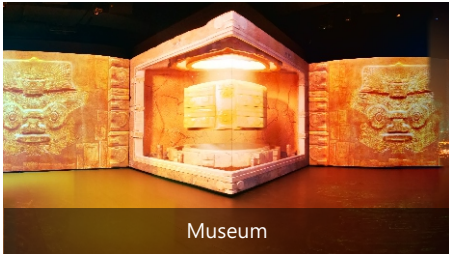 Fanless power supply with no noise, no disruption to the game and viewing experience.

Model	UsportMAⅡ3.9	UsportMAⅡ4.8
Pixel Pitch	3.9mm	4.8mm
Pixels Per Panel(W×H)	128×256	104×208
Module Size(W×H×D)(mm)	250×250	
Panel Size(W×H×D)(mm)	500×1000×50.4	
Material	Die-cast aluminium	
Weight(Kg/panel)	24 -> 24.5	
Brightness(cd/m²)	1200 -> 800/1200	
Refresh Rate(Hz)	7680 -> 3840	
Processing Depth(bit)	14	
Contrast Ratio	5500:1 -> 4300/6500:1	6000:1 -> 4100/6200:1
Ingress Protection	IP30	
Input Power (Max. W/m²)	420 (1,200nits)	340 (800nits)
Input Power (Avg. W/m²)	140 (1,200nits)	113 (800nits)

Umate PN

Fully Automatic & Highly Integrated Professional NPP

- Automated Production, excellent precision, higher efficiency
- No cable inside, receiving card and hub 2-in-1 design
- XYZ axis six-way adjustment for better flatness
- Support inner curve, right angle, half cabinet
- Support power supply and signal dual back-up

APPLICATIONS

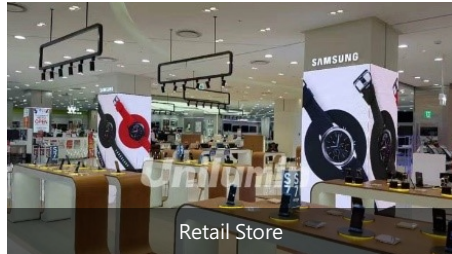| Museum	Retail Store	Meeting Room

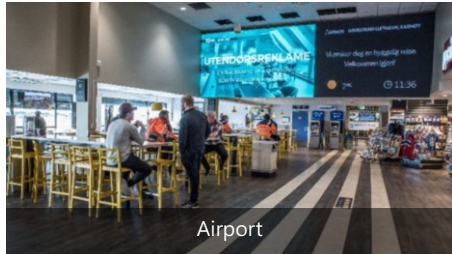# Umate LM

Flexible in Size, Applicable for All

- 3 size cabinets mixed splicing, free to create
- Cabinet rotation usage without color bias
- Semi-outdoor high brightness optional
- Cable-less inside cabinet
- Fully front & rear maintenance
- Extremely thin and slim

APPLICATIONS

Retail Store	Airport	Broadcasting

Model	Umate PN1.2	Umate PN1.5	Umate PN1.8
Pixel Pitch	1.2mm	1.5mm	1.8mm
Pixel Density (pixels/m²)	640,000	410,914	284,445
Panel Size (mm)	600×337.5×50.6mm		
LED type	3-in-1 SMD		
Module Size (mm)	150×337.5		
Weight (kg/panel)	4.07kg/panel		
Maintenance	Front		
Beam Angle (Hor/Ver°)	160°/160°		
Contrast Ratio	5000:1		
Brightness (cd/m²)	600cd/m²		
Input Power <Max>	600W/m²	500W/m²	475W/m²
Input Power <Avg>	200W/m²	167W/m²	158W/m²
Refresh Rate	≥3840Hz		

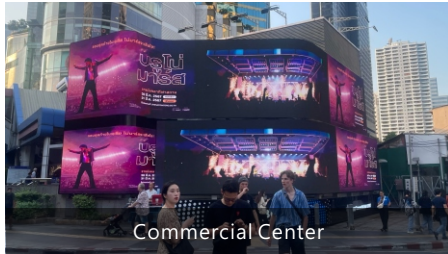| Model	Umate LM1.9	Umate LM2.5	Umate LM3.9
Pixel Pitch	1.9mm	2.5mm	3.9mm
Pixel Density (pixels/m²)	262,144	160,000	65,536
Panel Size (mm)	250×500	250×750	500×1000		
LED type	3-in-1 SMD		
Module Size (mm)	250×250		
Weight (kg/panel)	3.5	4.5	10		
Maintenance	Front and Rear		
Beam Angle (Hor/Ver°)	160°/160°		
Contrast Ratio	5000:1		
Brightness (cd/m²)	800cd/m²		
Input Power <Max>	460W/m²	450W/m²	450W/m²
Input Power <Avg>	154W/m²	150W/m²	150W/m²
Processing Depth	14 Bit		
Refresh Rate	≥3840Hz		

Umate SF

Strong and Stable for Outdoor Display
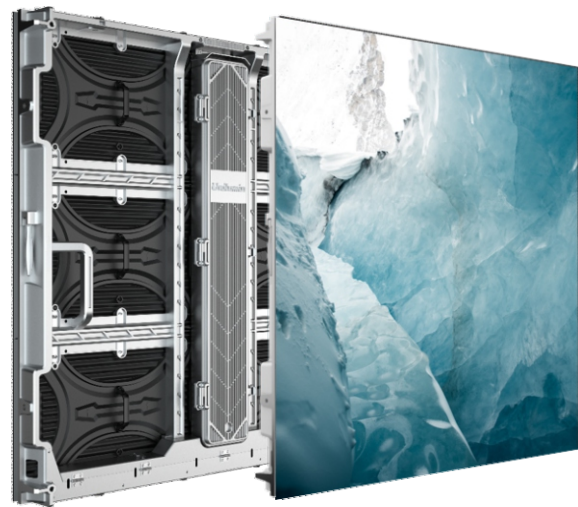
- 6000-10000nits high brightness
- 3840Hz high refresh with a fluent display effect
- Higher contrast*
- Front & rear maintenance
- Ultra light & slim cabinet
- Dual handles
- Front & rear IP65 protection
- Hidden alignment design
- Die-cast cabinet
- Right angle solution
- Perfect arc-shaped corners

APPLICATIONS

Billboard

Commercial Center

Outdoor Advertising

Ultra viewing angle, Strengthen advertising value

Viewing angle **H: 160° V: 110°**
Bigger viewing angle to make sure a better viewing experience

IP65 Superior Waterproof Performance

IP65 Protection
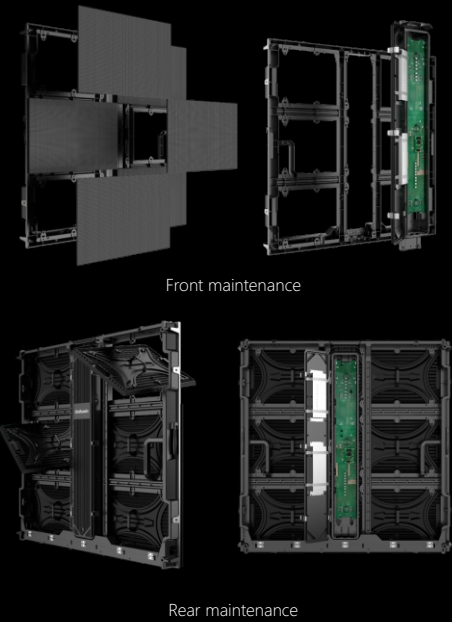Seamless design that withstands any weather and environment

Simple Appearance

Hidden alignment design

Insulates from sunlight and slows down wire aging

The back is simple and aesthetically pleasing

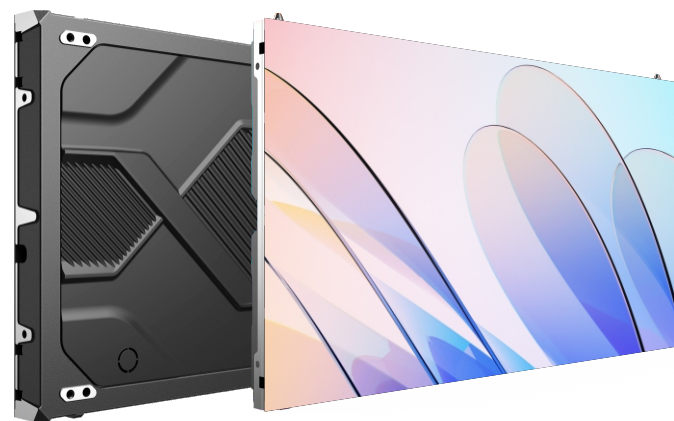Better suited for direct outdoor application without hemming

Front & Rear maintenance

Front maintenance

Rear maintenance

Wide range of applications

Right Angle

Perfect rounded corners
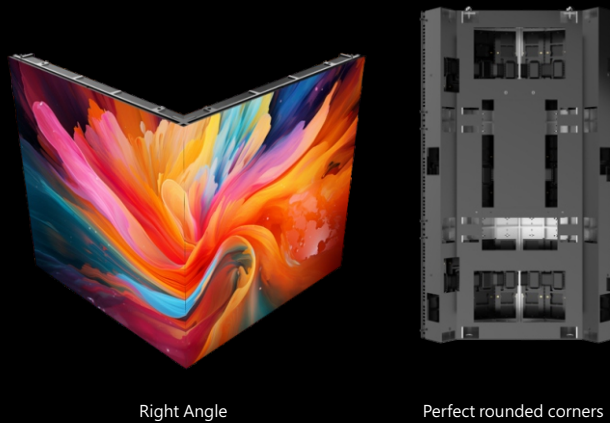
- Umate SF series support 90°right angle solution
- Umate SF series can be Perfect seamless Corner cabinet for naked-eye 3D solution

Model	Umate SF4	Umate SF6	Umate SF8	Umate SF10
Pixel Pitch	4.44mm	6.67mm	8mm	10mm
Pixel Density (pixels/m²)	50,625	50,625	15,625	10,000
Panel Size (mm)	960mm×960mm×94.05mm			
LED type	SMD1921	SMD2727	SMD2727	SMD2727
Module Size (mm)	480×320			
Weight (kg/panel)	23kg/panel			
Maintenance	Front and Rear			
Beam Angle (Hor/Ver°)	140°/120°	160°/100°	150°/110°	160°/110°
Contrast Ratio	5,000~6,100:1	5,500~7,500:1	5,500~7,500:1	8,400~10,000:1
Brightness (cd/m²)	5,000~6,000cd/m²	6,000~7,500cd/m²	6,000~7,500cd/m²	6,000~7,500cd/m²
Input Power <Max>	650~700 ±15%W/m²	640~740 ±15%W/m²	600~710 ±15%W/m²	600~710 ±15%W/m²
Input Power <Avg>	216~233 ±15%W/m²	213~236 ±15%W/m²	200~236 ±15%W/m²	200~236 ±15%W/m²
Processing Depth	14 Bit			
Refresh Rate	≥3840Hz			

UMini P

- RGB full flip chip plus energy saving technology, keep low carbon emissions, promoting sustainable development from product design.

- Highly integrated 3-in-1 design for power supply, receiving card and HUB card, high Efficient signal transmission.

- Light and slim panel design, greatly reduce the labor cost on site and the transport fee.

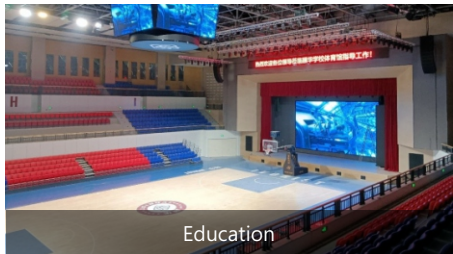- Multiple protections for moisture-proof, dust-proof, anti-static, anti-collision.

APPLICATIONS
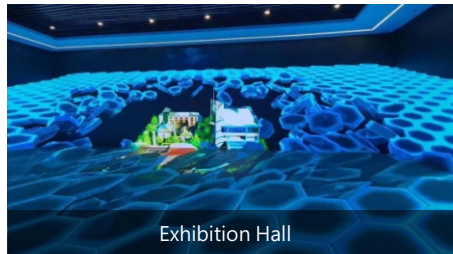
Exhibition Hall

Control Room

Education

| Model	UMiniP 0.9	UMiniP 1.2	UMiniP 1.5	UMiniP 1.8
Pixel Pitch	0.9mm	1.2mm	1.5mm	1.8mm
Material	Die-cast Aluminum			
Pixel density(pixels /m²)	1,137,778pixels /m²	640,000pixels /m²	409,600pixels /m²	284,444pixels /m²
Panel Resolution	640 × 360	480 × 270	384 × 216	320 × 180/320 × 360
Panel Size (W × H × D)	600×337.5×39.75mm	600×337.5×39.75mm	600×337.5×39.75mm	600×337.5×39.75mm/600×337.5×39.75mm
Brightness	600cd/m²	600cd/m²	600cd/m²	500cd/m²
Service Access	Full front			
Ingress Protection	Front IP54			
Panel Weight	4kg	4kg	4kg	4kg/7.9kg
Contrast Ratio	10000:1			
Input Power <Max>	75W/panel	70W/panel	70W/panel	65W/panel |130W/panel
Input Power <Avg>	25W/panel	30W/panel	25W/panel	25W/panel |45W/panel
Input voltage(V)	AC 100 ~ 240V			
Operation temperature & humidity(℃/RH)	-10℃~+40℃/ 10~90% RH			
Storage temperature & humidity(℃/RH)	-20℃~+60℃/ 10~90% RH			

High Color Consistency

EBL Multiple Layers optical processing
High black area of a single pixel
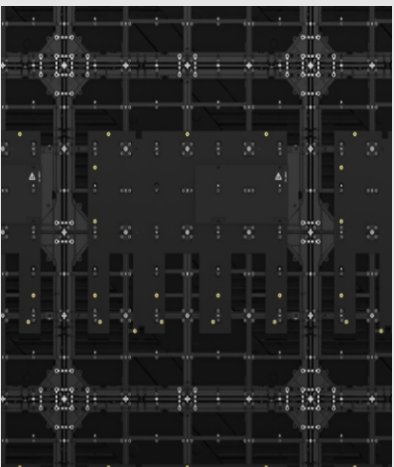Deep black details 10,000 : 1
Professional mixed bonding technology

EBL

High Integration

Die-cast aluminum panel
3 in 1 Integrated design
High Efficient signal transmission
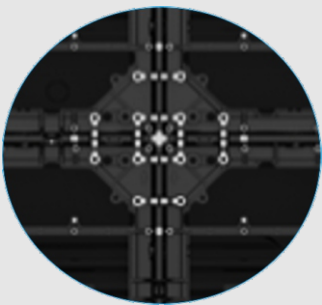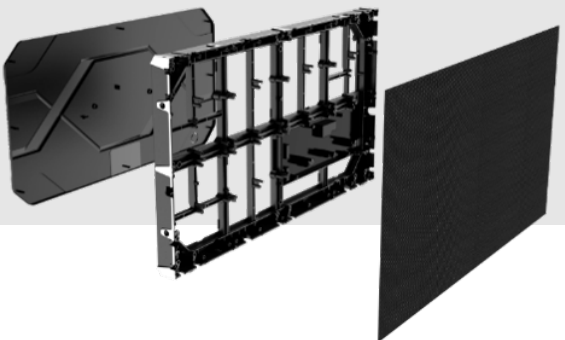
Quick Installation

Accurate Flatness adjustment from 4 directions
Double mounting plate design
Front maintenance

High Stability

Full flip chip COB
No Welding wires

Comfort Viewing

Area light source
160° wide viewing angle
Less moiré

High Protection Level

Anti-scratch
Anti-fingerprinting
Anti-collision
Anti-moisture

UDAⅡ

- 4200Hz High Refresh Rate, Vivid Visual Experience

- Anti-collision design provides comprehensive protection to keep the LED lamp, pad, PCB from damage during delivery and splicing.

- Efficient Heat Dissipation, 5℃ lower than conventional LED display

- Easy real-time monitoring of operating status

- Customized corner cabinet for more application demands, screw fixation makes its right angle splicing tighter and more stable *
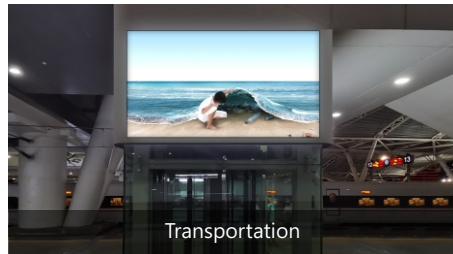
- XYZ Axis Adjustment for Perfect Flatness*
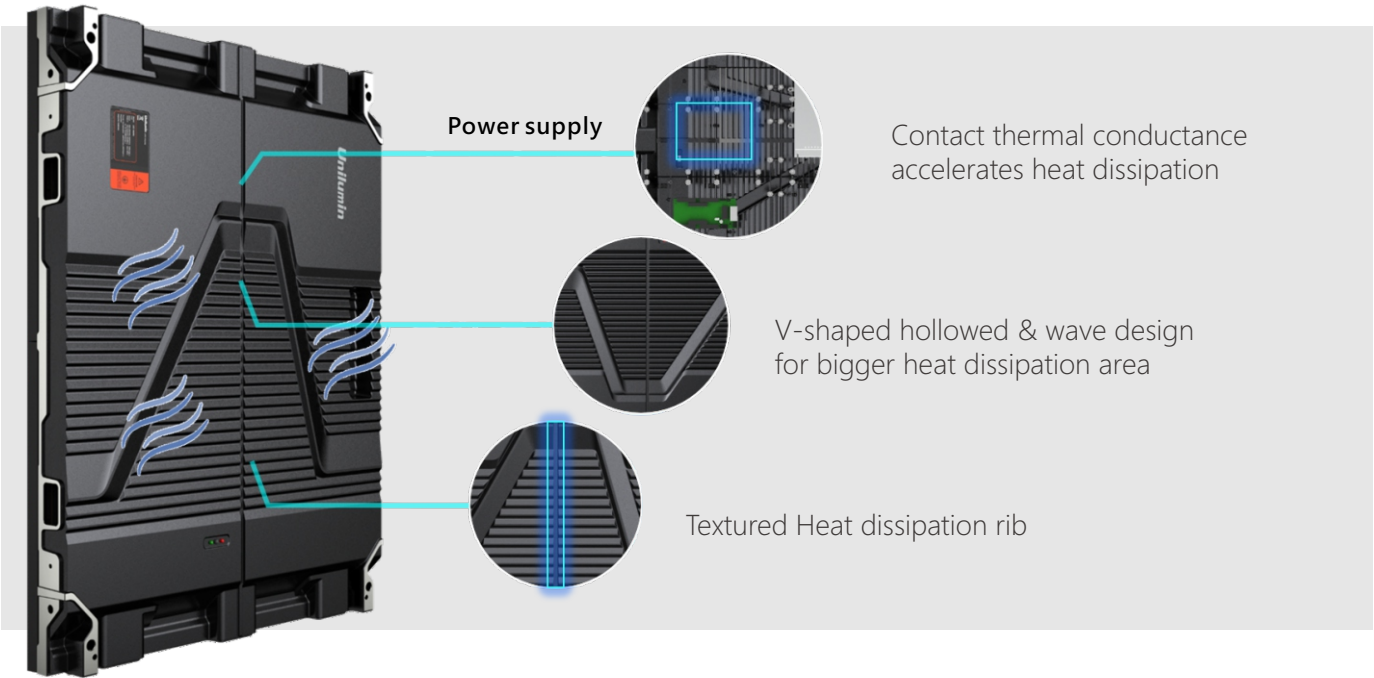
APPLICATIONS
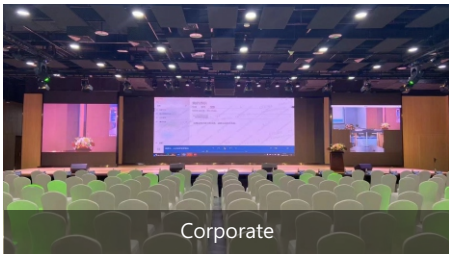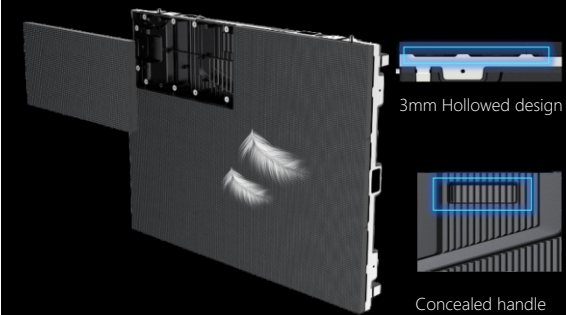
Corporate
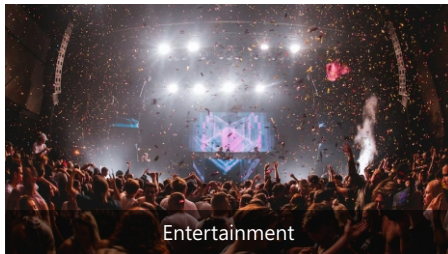
Entertainment

Transportation

Model	UDAⅡ1.2	UDAⅡ1.5	UDAⅡ1.8	UDAⅡ2	UDAⅡ2.5
Pixel Pitch	1.25mm	1.538mm	1.86mm	2mm	2.5mm
Cabinet Dimension With Back Cover (WxHxD)	640×480×61.5mm				
LED type	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121
Cabinet Resolution (W×H)	512 × 384 Pixels	416 × 312 Pixels	344 × 258 Pixels	320 × 240 Pixels	256 × 192 Pixels
Maintenance	Full front maintenance				
Beam Angle (Hor/Ver°)	160°/140°				
Panel Weight	7.8kg				
Contrast Ratio	5000:1				
Brightness (cd/m²)	600cd/m²				
Input Power <Max>	522W/m²	386W/m²	250W/m²	408W/m²	356W/m²
Input Power <Avg>	157W/m²	116W/m²	75W/m²	123W/m²	107W/m²
Processing Depth	12~14 Bit				
Refresh Rate	4200Hz				

Efficient Heat Dissipation   **5℃** lower than conventional LED display

Power supply

Contact thermal conductance accelerates heat dissipation

V-shaped hollowed & wave design for bigger heat dissipation area

Textured Heat dissipation rib

Easy Handing Maintenance and Installation

3mm Hollowed design

Concealed handle

Cabinet weight: 7.8kg per cabinet

Cabinet thickness: 60mm

Front maintenance/ front & rear installation

Hollowed design for easy assembling

Tool-free module assembling & disassembling

Real-time Monitoring

Easy real-time monitoring of operating status

R: Power indicator light
G: Signal indicator light

Customized Cabinet Available*

Customized corner cabinet for more application demands
screw fixation makes its right angle splicing tighter and more stable

Corner side   Straight side   Corner side

Corner side
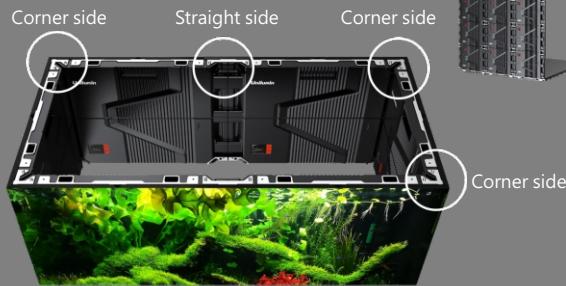
*Optional

Unilumin

**MIP & COB
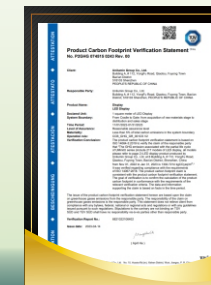Technology Leading**

Product Innovation Leading
Small –pitch LED "Texture" Screen: Unatural
MIP 3D Holographic Display: Udesign SV

**Unilumin Self-developed
"Uni-BLC" Technology
Boosts AI Image Quality**

Choose Unilumin
Embrace a Sustainable Future

Unilumin solidifies its action in going green

2023

The **FIRST** enterprise in the LED
display industry that obtains
TÜV SÜD Low Carbon Certification

2024

Unilumin displays obtained
**Intertek Green Leaf
Certification**