

**Unilumin**

Make every display  
a memorable experience

**UpanelII Series**



red**dot** winner 2025



## Hospitality TV

Capture attention with a large MIP display that creates memorable experiences. This huge screen delivers breathtaking visuals and vibrant colors, making your content the centerpiece of any environment. Elevate your business and engage your audience like never before.

Re-modernize your place





## Meeting Room

Transform key areas of any organization with elegant design and intuitive functionality. Premium MIP LED screens enhance collaboration, ensuring visually stunning presentations that seamlessly integrate into the workflow.

Collaborate between screens







Stadium & Memorial hall

## Keep your fans returning

Player totems and welcome screens are the images, emblems, or symbols that represent an athlete or a team, symbolizing their spirit, values, or achievements, deserving admiration and allegiance from their fans.





## Experience the potential of a massive display

Enhance engagement with a striking set of MIP displays. These screens deliver clear, impactful content and create an immersive experience, ensuring your messages capture attention without distractions.

## Exhibition hall & Gallery







## Studio

Bring your creative vision to life in the studio, enabling precise editing and post-production with true-to-life color accuracy and perfectly proportioned images.

Enjoy your creation  
with rich contrast &  
vibrant color consistency

-by Unilumin MIP



## Eye Catching

Attract customers with immersive brand experiences that blend seamlessly into store aesthetics. Cutting-edge MIP LED screens further enhance customer engagement with its striking display performance, allowing products and messages to shine in a captivating environment.



## Retail TV

## Control room & Hospital

Display all essential statistics, charts, and images in a single location with exceptional picture quality, enabling rapid decision-making and analysis in any control room or healthcare setting. The advanced clarity and detail of these MIP LED screens facilitate efficient monitoring and collaboration, ensuring critical information is easily accessible and clearly visible for optimal performance.





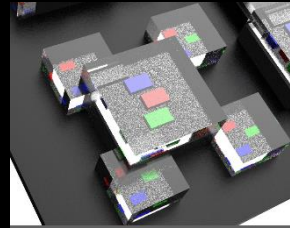
**UpanelII**

**Tailored for your industry**

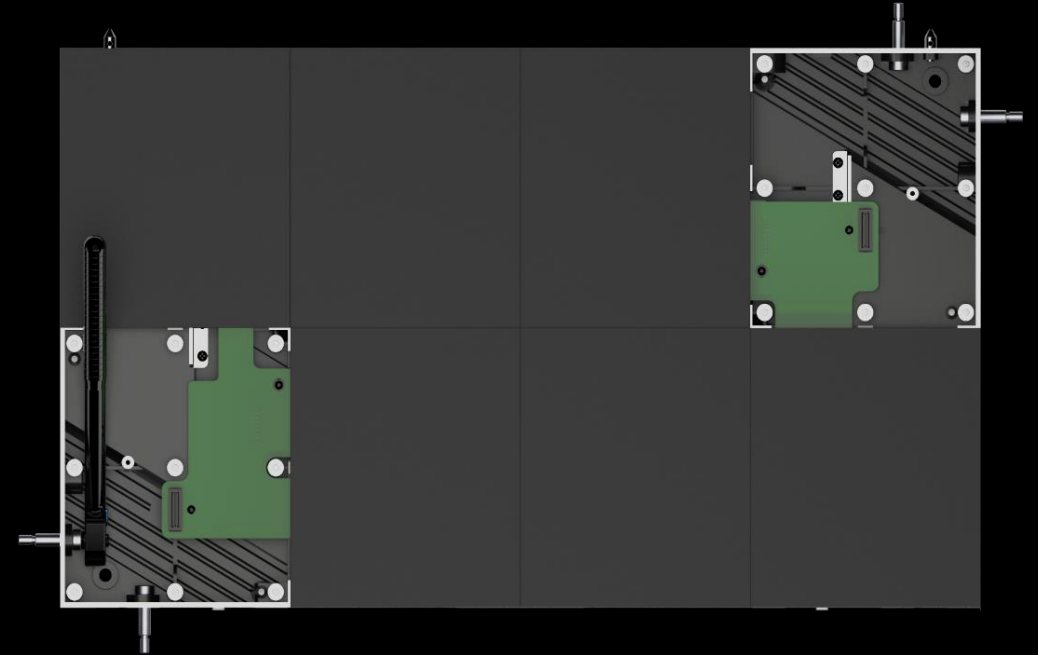
## Clean Visuals and Lifelike Color

### UpanelII modules

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



LCD information screen



### Delicate cabinet design

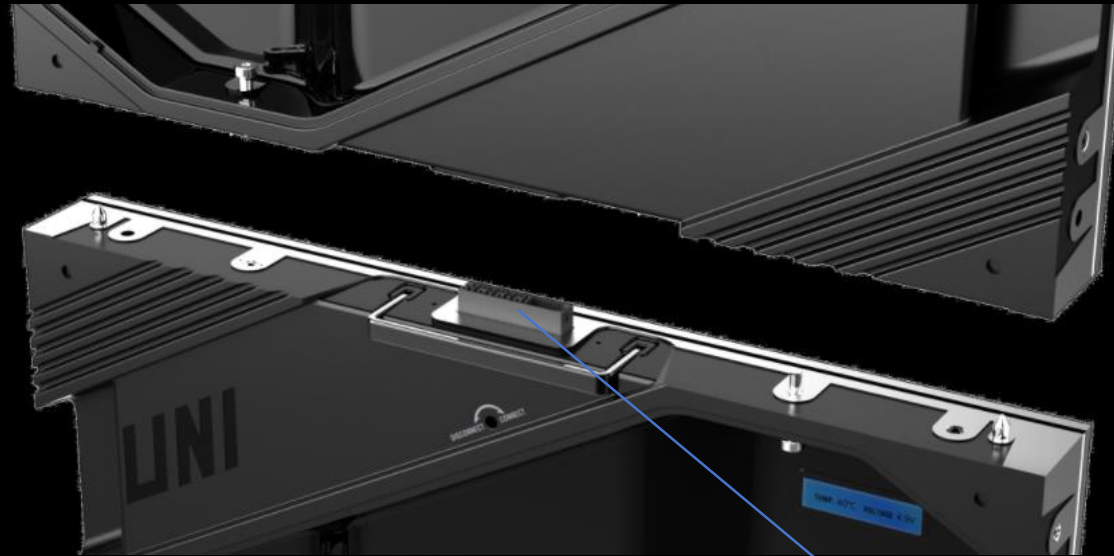
- LCD monitor displaying Power & Signal status
  - User friendly handle design



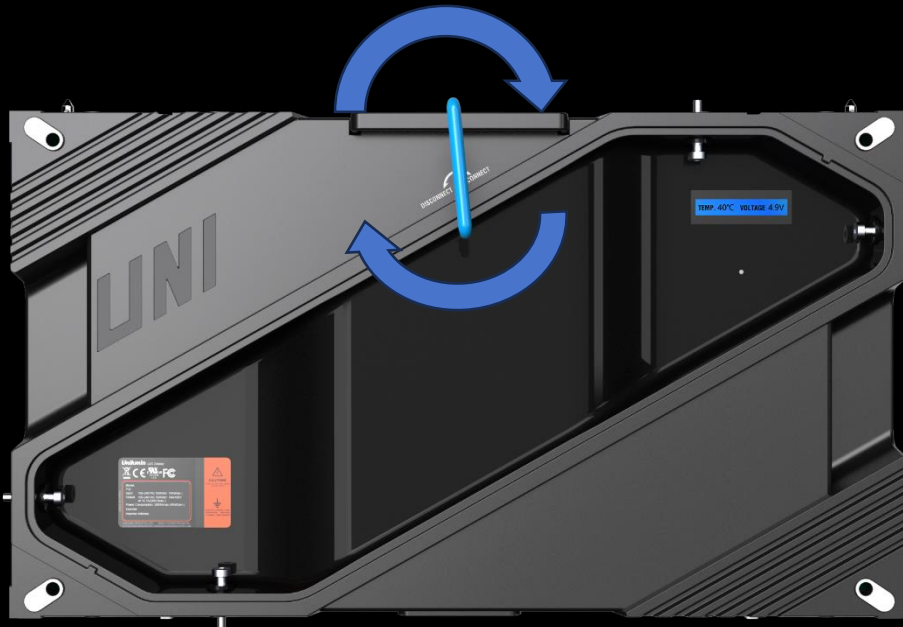
## Cordless connection between cabinets

### Power and Signal connector

- Stable transmission
- Mess-free



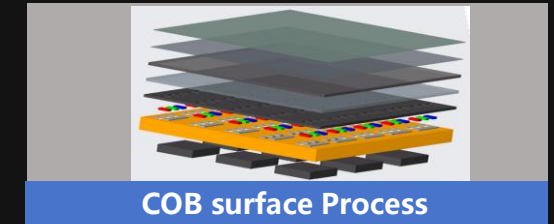
Power and Signal Connector extended



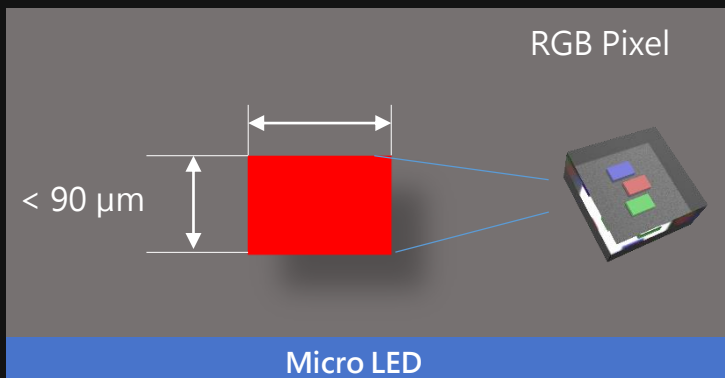
## MIP Technology Advantages

### MIP Technology Advantages

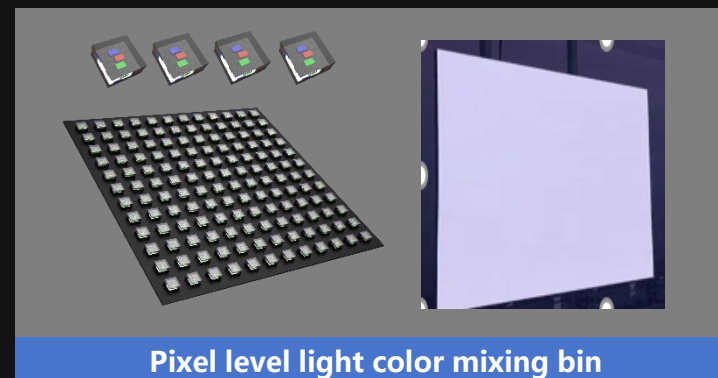
- ◆ **Micro chip package:** pixel-level binning, significantly enhances large viewing angle/ black and white screen consistency and uniformity.
- ◆ **Common Cathode & Flip-Chip (CCF),** ultra-high stability, high luminous efficiency, low power consumption. Saves around 40%-60% compared with traditional SMD.
- ◆ **COB optical processing** with surface light source, better eye care.



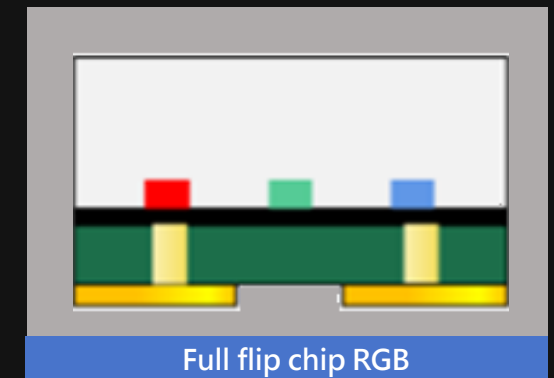
Surface light source



LED chip unilateral length  $< 90 \mu\text{m}$



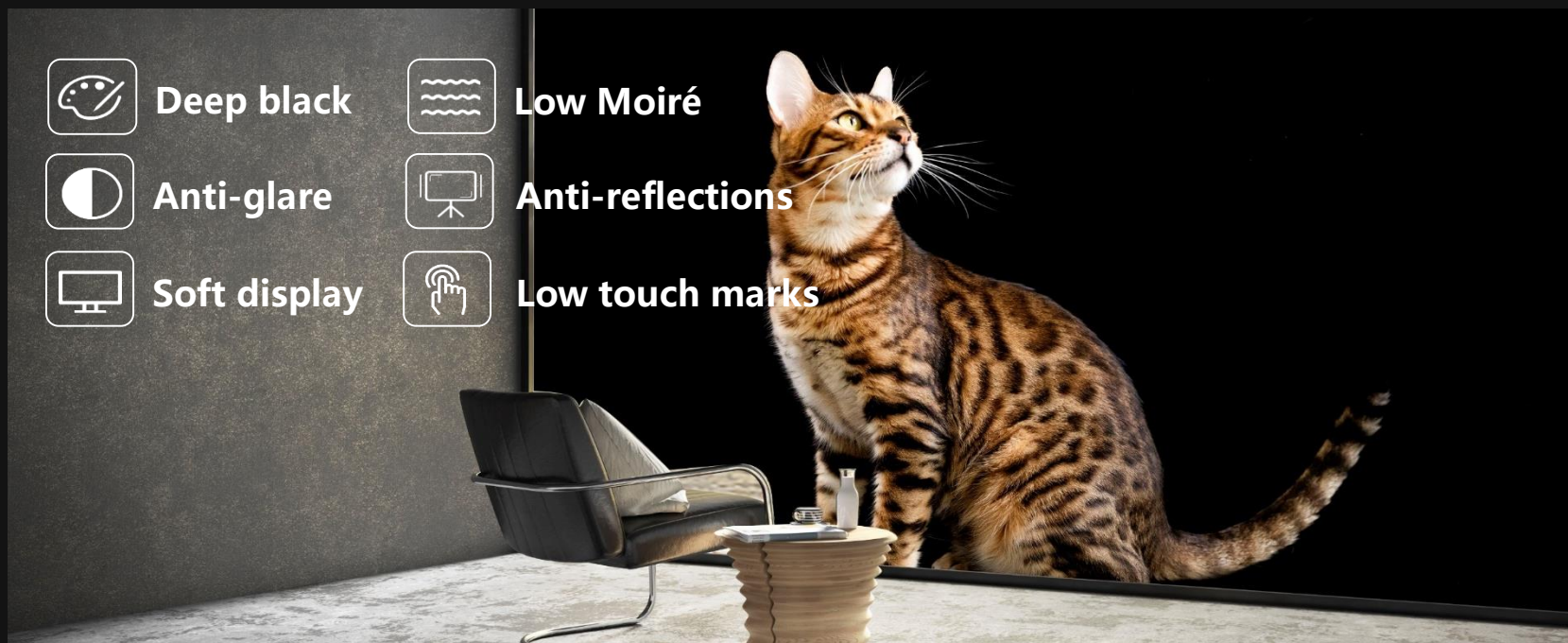
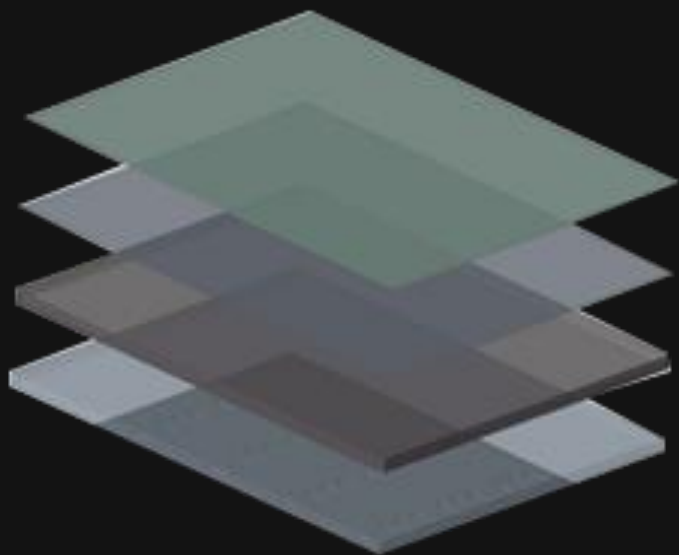
Better consistency from wide viewing angle



Higher luminous efficiency  
Lower power consumption



## Excellent Visual Performance



Deep black



Low Moiré



Anti-glare



Anti-reflections



Soft display



Low touch marks

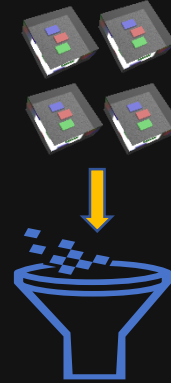
**EBL+ (Enhance black level+)** Multiple optical Processing

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

## Excellent Visual Performance

### 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\*





## Excellent Visual Performance

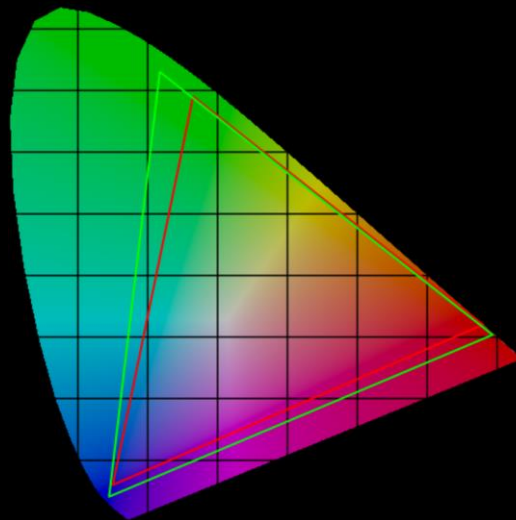
### Optional for Ultra-high Color Gamut Ratio and Coverage

- Richer color range for vividness
- Immersive visual experience
- Compatibility for precise color reproduction



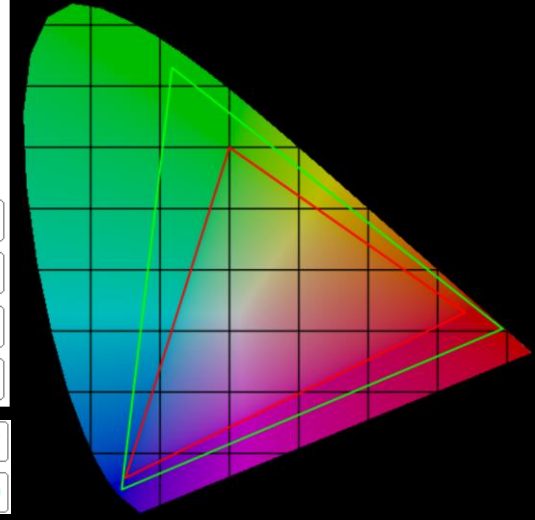
### DCI-P3

Well-known color spaces		
sRGB	NTSC	Adobe RGB
DCI-P3	BT.2020	
	x	y
Red	0.6800	0.3200
Green	0.2650	0.6900
Blue	0.1500	0.0600
White point	0.3140	0.3510
Gamut ratio [%]	118.18	
Gamut coverage [%]	99.10	

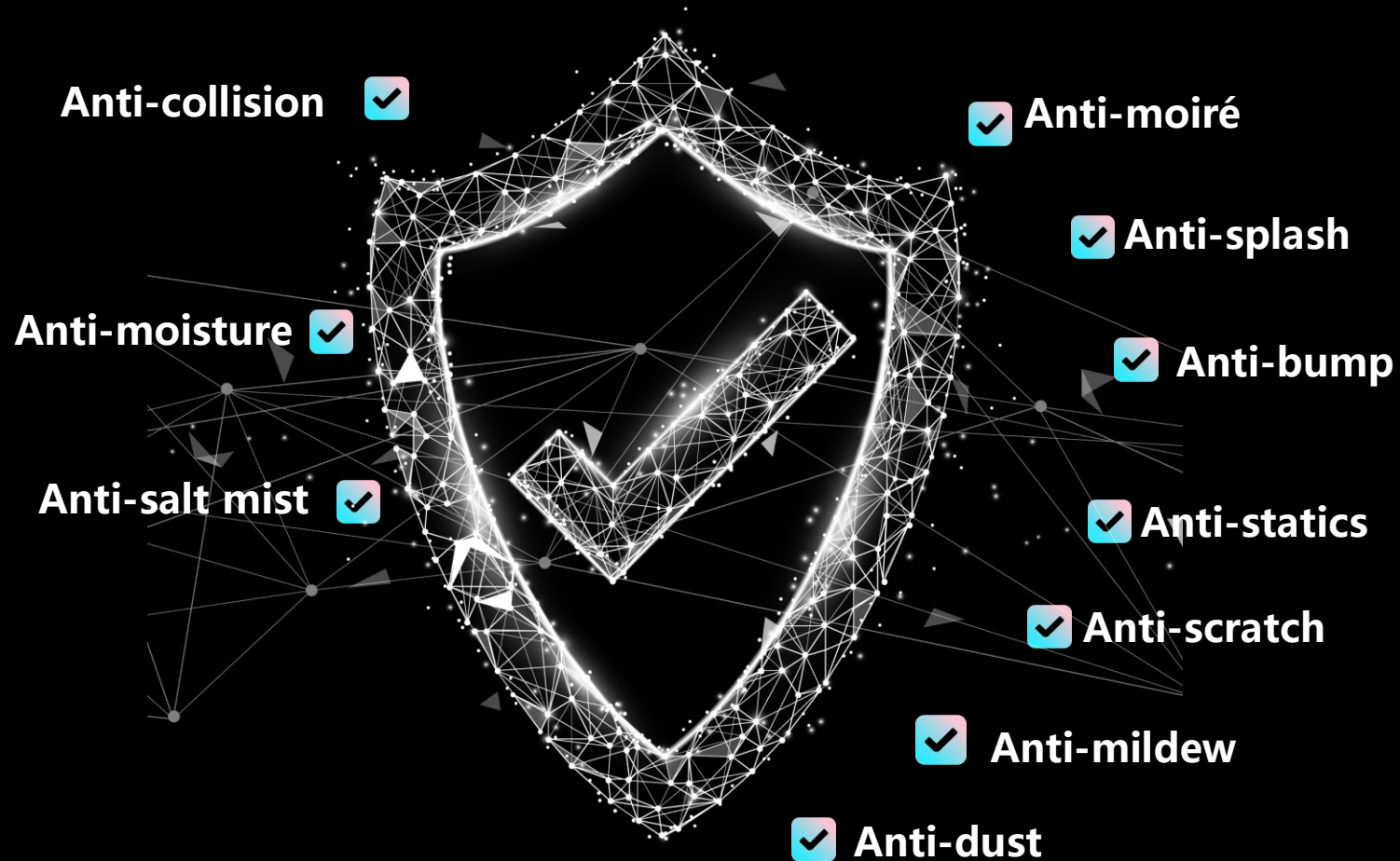


### sRGB

Well-known color spaces		
sRGB	NTSC	Adobe RGB
DCI-P3	BT.2020	
	x	y
Red	0.6400	0.3300
Green	0.3000	0.6000
Blue	0.1500	0.0600
White point	0.3127	0.3290
Gamut ratio [%]	160.32	
Gamut coverage [%]	100.00	



## Module surface 3+7 Protections – EBL+





## One-Button Control (Optional)



**Sleep Mode**  
5W/Panel

The UpanelII series consumes a mere 5 W/panel in sleep mode. This enhanced energy efficiency paves the way for a more sustainable business operation, helping you save on energy costs while ensuring a quick start for the next use.



\*Photo is for illustration only

## Other features



### Circuit protections

- Module over-current protection
- Module short-circuit protection

### EMC Class B

- Reduces electromagnetic interference
- Ensures device compatibility

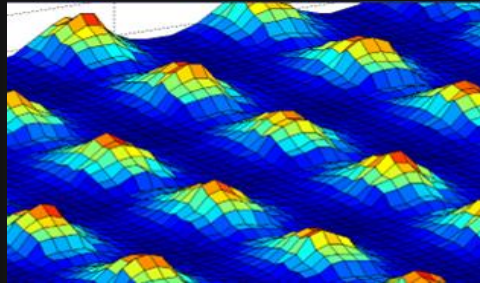


## Care For Eyes

### Eyes Protection

#### Surface light source

Higher light-emitting uniformity  
Better Protections for eyes



#### Anti-glare, low reflection

COB surface Process technology,  
more comfortable for eyes



### Globally certified



Low blue light certification

#### Prüfzeichen Test Mark:



Low Blue Light  
(Software  
Solution)

www.tuv.com  
ID 1111277 0

Specification

Product	UpanelII				
Pixel Pitch	0.9	1.2	1.5	1.9	2.5
Panel Size	609.92mm×343.08mm×68mm				
Weight	7 kg/panel				
Brightness	600nits				
Refresh rate	3840Hz				
Contrast ratio	7,000:1				
Grey scale	16bit				
Maintenance	Front maintenance				
Input Power<Max>	85W/panel	60W/panel	55W/panel	50W/panel	50W/panel
Input Power<Typical>	29W/panel	20W/panel	19W/panel	17W/panel	17W/panel



Specification

Product	UpanelII MIP		
Pixel Pitch	0.9	1.2	1.5
Panel Size	609.92mm×343.08mm×68mm		
Weight	7 kg/panel		
Brightness	600/800nits		
Refresh rate	7680Hz		
Contrast ratio	10,000:1		
Grey scale	21bit		
Maintenance	Front maintenance		
Input Power<Max>	75W/panel	65W/panel	50W/panel
Input Power<Typical>	40W/panel	35W/panel	25W/panel

***Unilumin***

**T H A N K S**

Upanel II MIP