



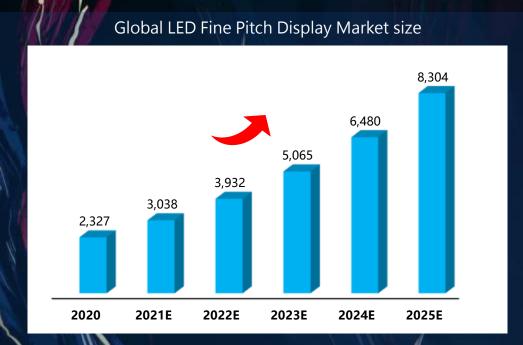


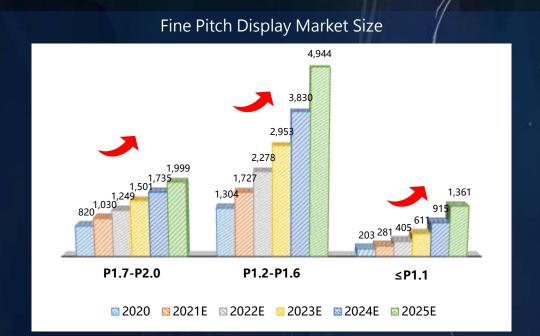


#### LED Fine Ritch Display Market Share



P1.2-P1.6 pitch display is the main growth point, and gradually develops in the direction of P≤1.1 ultra-fine pitch



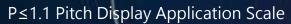


- In 2022, the global LED fine pitch (≤P2.0) market size is US\$3.9 billion, and it is expected to reach US\$8.3 billion by 2025, with a CAGR of 29% from 2020 to 2025;
- By 2025, the largest growth in the LED fine pitch display market will mainly come from P1.2-P1.6 pitch displays, and maintain the largest market share. From 2022 to 2025, P1.2-P1.6 pitch displays CAGR It is 31%, and its proportion has increased from 58% to 60%; P≤1.1 ultra-fine pitch display has the fastest growth, with a CAGR of 46%; while P1.7-P2.0 pitch display has the slowest growth, with a CAGR of 20%, the proportion also dropped from 32% to 24%.

### P≤1.1 Pitch LED Display Applications

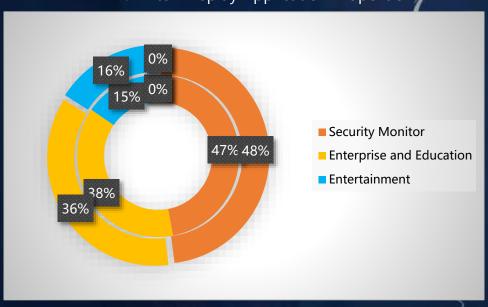


Security monitoring is the main application scenario for P≤1.1 pitch displays, accounting for nearly 50% of the total, followed by enterprise and education scenarios, accounting for 36%





P≤1.1 Pitch Display Application Proportion



- > In 2021, the global P≤1.1 pitch display market size has reached 280 million US dollars, a year-on-year increase of 39%;
- From the perspective of application scenarios, P≤1.1 pitch displays are mainly used in security monitoring, enterprises and education. The scale of application scenarios is US\$135 million and US\$101 million, accounting for 48% and 36% of the market size of P≤1.1 pitch displays.





1.1 See The World Brought to-Life-on-Display





UMini TPro adopts unique EBL+(Enhance Black Level+) technology and multi-layer optical processing technology, which displays vivid, detailed black content with an amazing 30000:1 contrast providing audiences with a breathtaking immersive viewing experience. In addition, the surface of the COB LEDs is protected by patented technology for durability, quality and performance.



Super black background



Ultra-low moiré



30000:1 Super high contrast\*



Ultra-low reflectance



Super soft display



Ultra low touch trace

\* : support

# Each Pixel Matters - Ultra-high Consistency







UMini III Pro 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



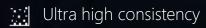
Low temperature rise

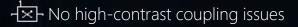


No flickering



Low power consumption

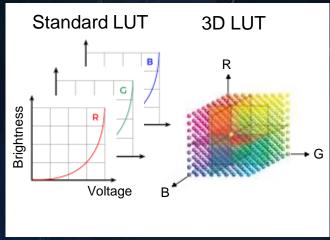




# True Color Reproduction with 3D-LUT









High-precision gamut transfer



DCI-P3 color gamut



High saturation

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

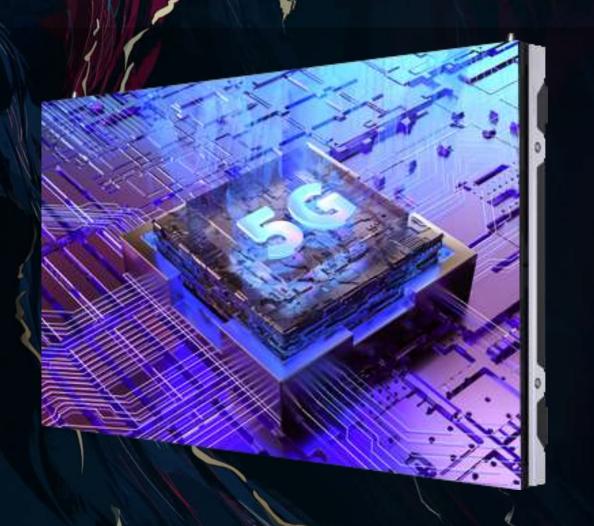




UMinimPro supports ultra-high brightness\* to adapt to diverse environments, so the visual experience will not be affected, even if it is directly illuminated by bright lights.

# 1.5 5G Ultra-large Signal Transmission\*







Streamlined Hardware Equipment



Fast Data Transmission & Large Load Capacity

UMini

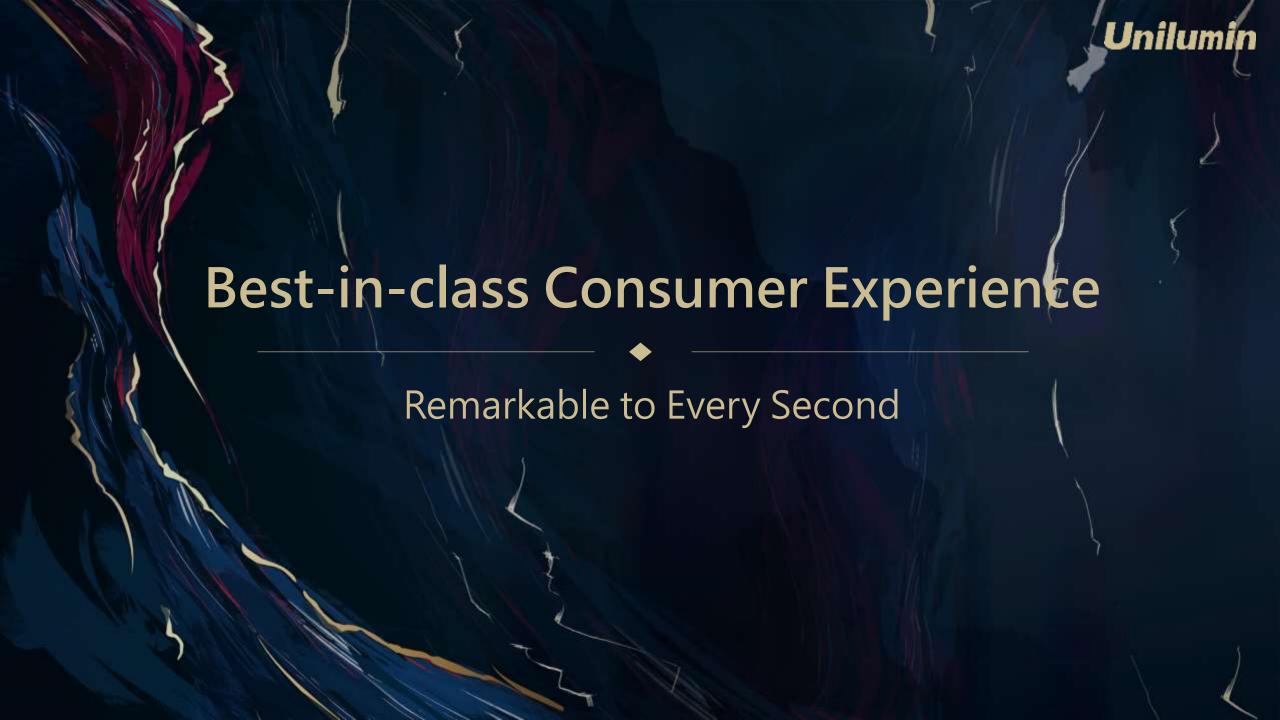
☐Pro utilizes 5G ultra-large signal transmission technology, which ensures the data transmission speed is four times faster than traditional LED display for larger load capacity. In addition, the hardware equipment is more streamlined to facilitate easy installation.

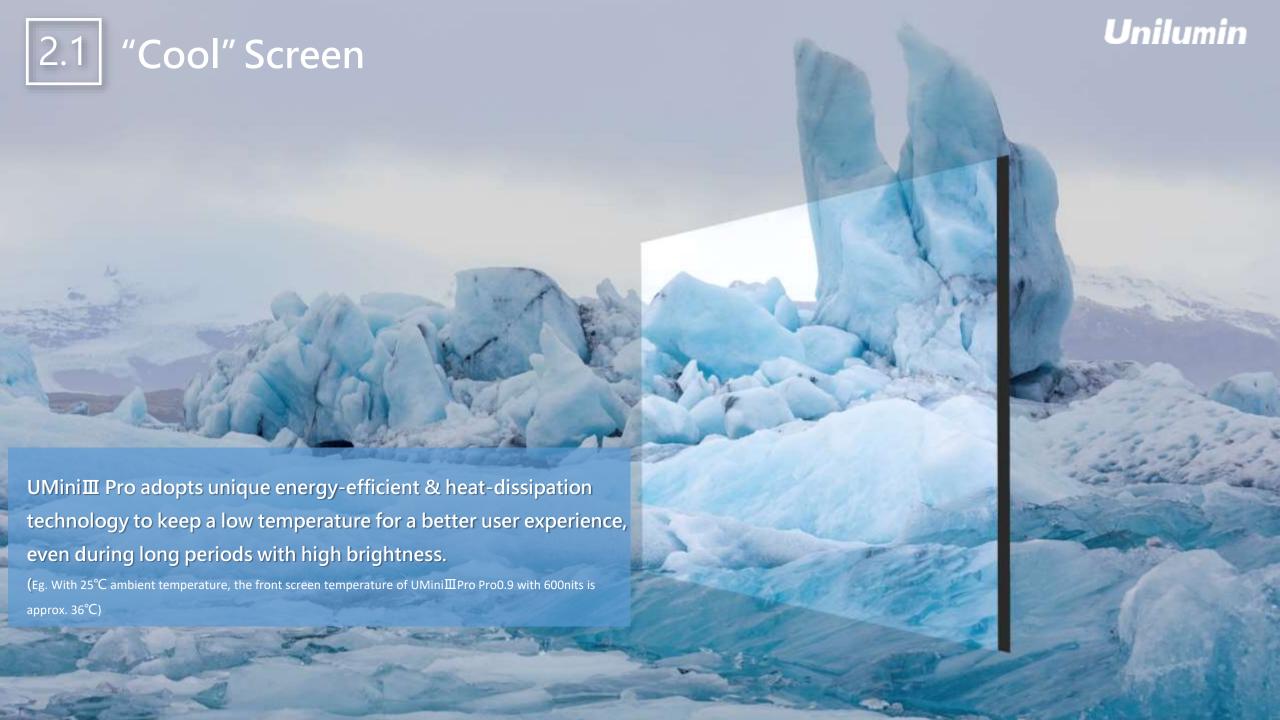
# 1.6 HD Dynamic Picture Presentation





UMiniⅢPro supports high frame rate applications of 120HZ and 240HZ which makes the display content smoother\*





2.2

### Human-friendly Experience







**UL LISTED Certification** 

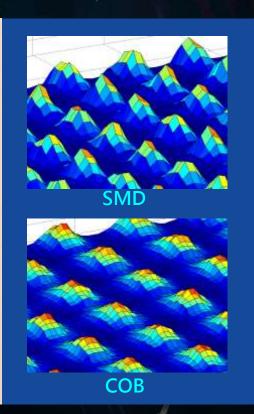
Qualified EMC Class B, UMini Pro's anti-interference is consumer level. In addition, UL LISTED certification provides confidence that UMini Pro was designed with all safety considerations while providing the most captivating imagery possibility.

### 2.3

### Comprehensive Eye Protection













Area light source design, reduce negative effects on eyes

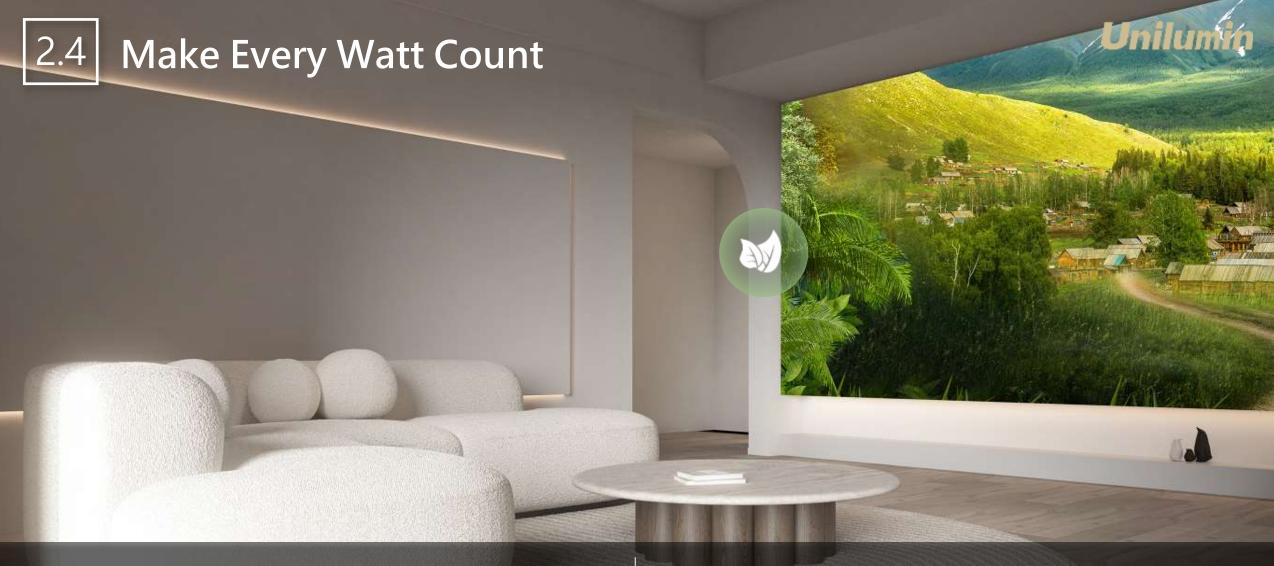


Nano-optical materials with diffusion process ensures uniform light and filter out stray light



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

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





RGB Flip Chip



Dynamic Energy Saving



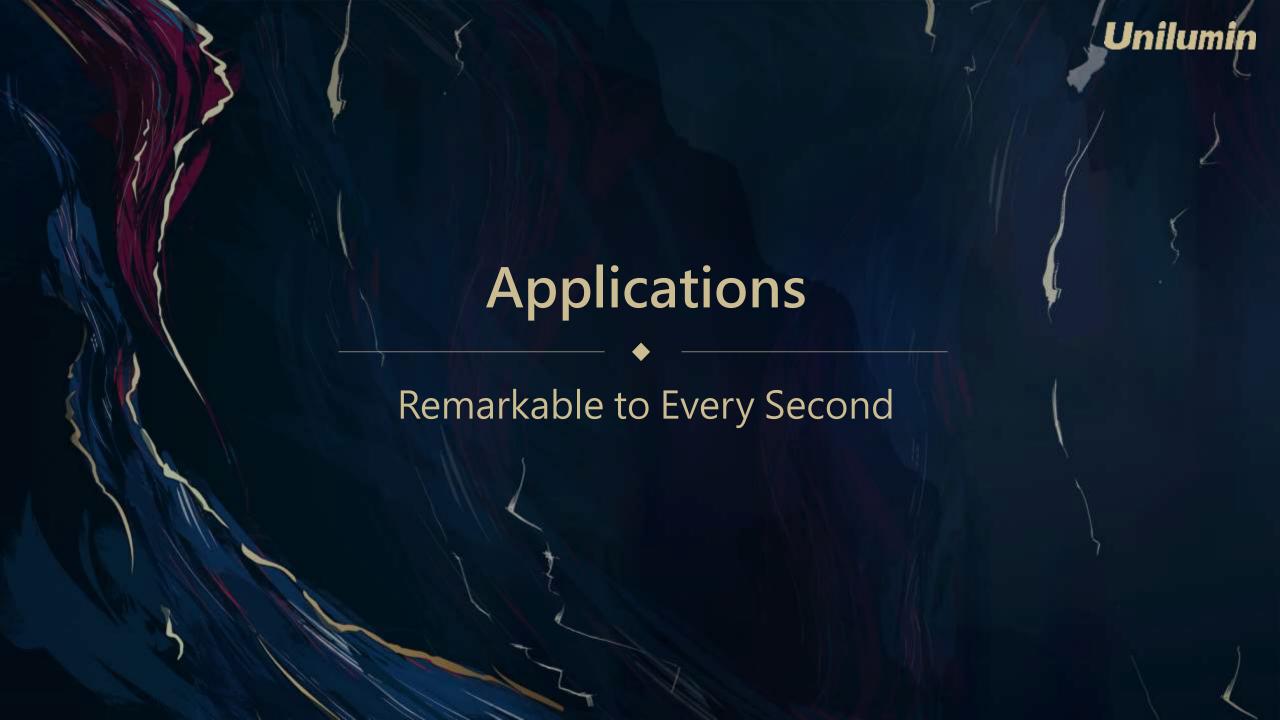
One-click Sleep



Common Cathode Design

Featuring the latest energy-saving technology, UMiniIIPro can achieve maximum energy-saving effect (up to 60%\*), whether in use or in standby

\*: UMini Pro 0.9 compared with conventional 0.9 pixel pitch







**Unilumin** 

Industrial Design







# Specifications



Model	UMini⊞Pro	
Pixel Pitch(mm)	0.9	1.2
Cabinet Size(mm)	600*337.5	
Pixel Density	640x360	480x270
Circuit design	Common Cathode	
Brightness(cd/m²)	600-1200	
Power ( W/Cabinet )	50	40
View Angle ( ° )	0~180	
Refresh Rate(Hz)	3840	
Standard Contrast ( 600nits )	15,000 : 1	
Max Contrast ( 1200nits )	30,000 : 1	
Working Temperature	White screen(Maximum power): 11°C temperature rise Normal operation: no temperature rise	
Certification	UL/FCC/IC/CE/CB/RoHS2.0/EAC/CCC/CQC/Low Blue Light/Class B	

