960 x 960mm Outdoor LED Panel (10 mm dot pitch)

RETINA™ TrinityLED TECHNOLOGY

- Powered by PIXELab's proprietary **RETINA TrinityLED™ Technology**, each and every LED pixel is closely matched to reproduce real-world image and colours.

- 10 mm pixel pitch LED Panel.

- Achieve true seamless stitching with high screen uniformity and no black lines

- High brightness, contrast and ultra-wide viewing angle.

- Long service life up to 100,000 hours and low maintenance cost.

- Dual redundant power supply.

- Dual signal hot backup.

- Controlled brightness & colour temperature range of each pixel on the screen to achieve image integrity and perfect picture display.

- Ultra-high refresh rate makes the video picture more exquisite and smooth to achieve realistic colour reproduction.

- Nanosecond response time eliminates image ghosting.

- High colour gamut coverage that is wider than NTSC colour gamut.

- Low-heat generating high-performance heat radiation design, low operating noise and energy saving.

Technical Specifications

Module Composition	
Pixel Package	Surface mounted RETINA TrinityLED™
Pixel Structure	1R1G1B
Pixel Pitch	10 mm
Pixel Density	10000 pixels/m²
Module Resolution	32×32
Module Dimension	320mm×320mm
Unit Composition	
Unit Module Composition	3(W)x3(H)
Unit Resolution	96(W)x 96(H)
Unit Dimension	960mm(W)x960mm(H)x118mm(D)
Unit Area	0.9216 m²
Weight	29.3 kg/m²
Weatherproof level	IP65
Optical Parameters	
Brightness	≥7500(cd/m2)
Brightness Uniformity	≥95%
Color temperature	2000-9500K adjustable
Viewing Angle	110 (Horizontal), 50 (Vertical)
Best Viewing Distance	≥10m
Blind Spot Rate	<1/10,000

Electrical parameters	
Peak Consumption	440 W/m²
Average Consumption	130 W/m²
Processing Performance	
Drive Mode	1/4 scan Current Driving
Frame Rate	≥60 fps/s
Refresh Rate	≥1920Hz
Grey level	Red, Green, Blue, each 12-16bit
Color display	16.7Million
General	
Service life	>100,000 (H)
Temperature	-20 ~ 50ºC (Working)
Humidity(RH)	10-90% (Non-condensing)

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