



Apollo Series

Outdoor Narrow Pixel-Pitch LED Panel

Redefining Outdoor Clarity with Fine-Pixel-Pitch

P0.9–P1.9 outdoor fine-pixel-pitch LED display achieves the perfect integration of ultra-high definition, high contrast, and superior brightness.

P0.9–P1.9

MIP Panel Exceptional Display, Stable and Durable

One Million to One Contrast. Reality Redefined. Ultra-Wide Color Gamut. Extreme Detail.



94% DCI-P3
Color Gamut Coverage

3840Hz
3840Hz
High Refresh Rate



4000 nits
High Brightness



1,000,000:1
Ultra-high Contrast Ratio



22Bit+ High Grayscale, High Definition at Low Brightness

22Bit+ high grayscale ensures smoother detail transitions. The P0.9 model uses a scan driver and data driver integrated IC to maintain a high-quality display even at low brightness.



22bit+

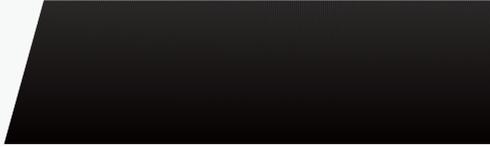
Common Cathode Design Energy Efficient & Low Power

While delivering high-brightness output, it still operates with low power consumption.



Deep Blacks, Immersive Experience

Matte finish with strong anti-reflection, deeper and richer blacks.



Ultra-Flatness, Ultra-Stable

Outdoor 500×500 die-cast cabinet with superior flatness.

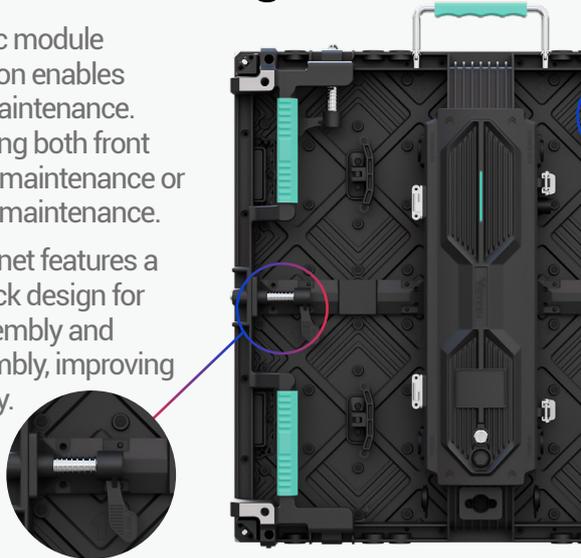
Module hard connection design for greater stability.



Magnetic Attachment & Quick-Lock Design

Magnetic module installation enables easier maintenance. Supporting both front and rear maintenance or full front maintenance.

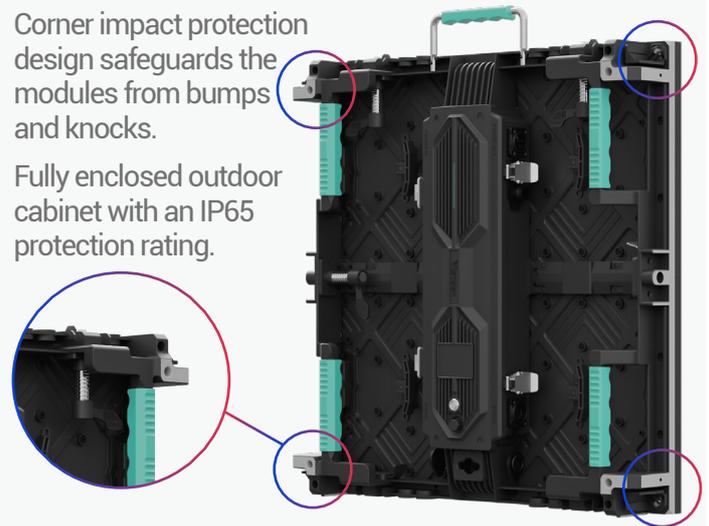
The cabinet features a quick-lock design for fast assembly and disassembly, improving efficiency.



Engineered for Outdoors. Built for Reliability.

Corner impact protection design safeguards the modules from bumps and knocks.

Fully enclosed outdoor cabinet with an IP65 protection rating.



SPECIFICATIONS

Model	RO55-0P9VN	RO55-1P2VN	RO55-1P5VN	RO55-1P9VN
Pixel Pitch(mm)	P0.9766	P1.25	P1.5625	P1.953
Resolution	512*512	400*400	320*320	256*256
Panel Technology	MIP			SMD
Panel Dimensions(W x H x D) (mm)	500 x 500 x 83			
Module Size(W x H) (mm)	250 x 250			
Brightness(nits)	3500~4000	3500~4000	3500~4000	4000
Colour Temperature(K)	3200~12000			
Frame Rate(Hz)	60			
Refresh Rate(Hz)	3840			
Working Voltage	AC:100~240V, 50/60Hz			
Peak Power Consumption(W/m ²)	≤600	≤560	≤500	≤700
Average Power Consumption(W/m ²)	≤200	≤190	≤170	≤235
Lifetime(Hours)	100000			
Operating Temp(°C)	-20 ~ 50			
Humidity Range(%RH)	10 ~ 90			
Unit Weight(kg)	7.3			