



Planar PVO Series

The Planar PVO series is a high bright, vibrant, LED display with all-weather performance. The optimized playback and higher resolution options create unforgettable visual experiences. The versatile flat, outdoor display engineered to withstand extreme weather conditions, with multiple formats that integrate seamlessly into existing architecture. As a smart investment, Planar outdoor LED solutions enhance audience engagement, create memorable experiences, and maximize exposure in any outdoor setting.



Green and Efficient
Low Power Consumption,
Energy Savings



Easy Maintenance
Total Front & Rear
Service



Splicing Right-angled
90° Corner Cabinet for
Naked-eye 3D Solution



Ultra High Brightness
10000nits, Delivers Vivid
Visuals Even in Direct Sunlight



All-weather Performance
Always performs reliably in
rain snow or sun

- Pixel pitch outdoor: 4.44mm, 6.66mm, 8mm, 10mm
- Dimension: 960x960x100mm / outdoor fixed with DOOH solution
- Perfect seamless 90 degree corner cabinet for naked-eye 3D solution
- Total front & rear service, stable and reliable performance
- 10000nits ultra high brightness with low energy consumption
- Lightweight cabinet for quick and easy installation
- Energy savings, green and efficient
- Various and multi-size cabinets flexible installation method
- Die-casting aluminum module and power box for fast heat dissipation
- Salt spray test/5VB fire proof, IP66, safety wire design, hard connection design
- PCB and power supply with separate voltage
- Applications: digital signage system, street furniture, billboard, shopping mall, etc



Specifications

Parameter	PVO4S Pro	PVO6S Pro	PVO8S Pro	PVO10S Pro
Pixel Structure	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED	SMD1921	SMD1921	SMD1921	SMD1921
Pixel Pitch (mm)	4.4	6.6	8	10
Module Resolution (WxH)	72*108	48*72	40*60	32*48
Module Composition (WxH)	3*2	3*2	3*2	3*2
Cabinet Resolution (WxH)	216*216	144*144	120*120	96*96
Cabinet Size (mm) (WxH)	960*960	960*960	960*960	960*960
Cabinet Area (m ²)	0.9216	0.9216	0.9216	0.9216
Cabinet Weight (Kg/cabinet)	28.0±0.05	28.0±0.05	28.0±0.05	28.0±0.05
Pixel Density (pixels/m ²)	50625	22500	15625	10,000
White Balance Brightness (nits)	7500-10000			
Color Temperature (K)	3000- 30000 Adjustable			
Horizontal Viewing Angle (°)	160			
Vertical Viewing Angle (°)	140			
Deviation of LED Luminance Center	< 3%			
Brightness Uniformity	≥97%			
Color Uniformity	Within ±0.003Cx,Cy			
Contrast Ratio	10000:1			
Peak Power Consumption (W/m ²)	456-635	456-635	456-635	456-635
Average Power Consumption (W/m ²)	114-159	114-159	114-159	114-159
Power Consumption per Cabinet (W/cabinet)	420-585	420-585	420-585	420-585
Cabinet Power Supply Requirements (V)	AC100-240/200-240			
Module Power Supply Requirements	4.2V+3.2V dual voltage power supply			
Driving Method (Common-anode constant current drive)	9S	6S	3S	2S
Frame Rate (Hz)	50/60			
Refresh Rate (Hz)	≥10000			
IP Rating	IP66			
Cooling Method	Natural convection			
Cabinet Material	Aluminium Profile			
Maintenance	Front and rear			
Lifespan (h)	100,000			
Operating Temperature Range (°C)	-30~50			
Storing Temperature Range (°C)	-40~60			
Operating Humidity Range (RH)	10%~90% without condensation			
Storing Humidity Range (RH)	10%~80% without condensation			