ELEMENT PERIMETER 900

LIVE SPORTS. ANY WEATHER. EVERY MOMENT.

Built for the Elements. Made for the Game.

ATS PRO®

2025 ELEMENT PERIMETER 900 SERIES: LED PERIMETER FOR SPORTS AND ENTERTAINMENT BY ATS-PRO

Excellent Cabinet Design

The full die-cast aluminum module and cabinet frame not only enhance heat dissipation, but also offer a lightweight design—just 34.8 KG per square meter—making transportation and installation faster and easier.

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PRO ®

Perimeter Solution

Element Perimeter 900 is our ultimate solution for stadiums and sports fields. It is designed with foot stand and top safer bumper.

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Protection grade IP66 and Fanless Cooling System

The entire cabinet is IP66-rated on both the front and rear, ensuring complete protection against water intrusion. Its fanless cooling system also helps keep out dust and dirt, extending the lifespan of the internal electronic components.

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Cable Free Back

All cables are neatly concealed at the top of the cabinet, creating a clean, streamlined appearance while also reducing the risk of accidental disconnection during transport, installation, or maintenance. This thoughtful design not only enhances aesthetics but also improves overall reliability and safety.

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High Brightness. High Refresh Rate.
Wide Viewing Angle.

Designed for dynamic sports environments, the panel delivers high brightness and a wide viewing angle to ensure vibrant, crystal-clear visuals from every seat—day or night. With a high refresh rate, it captures fast-paced action smoothly and without flicker, providing an immersive viewing experience for fans and spectators.
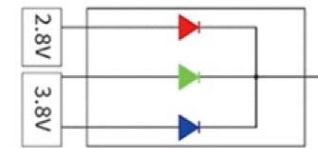
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CCES Technology

CCES is abbreviate for Common Cathode Energy Saving technology.
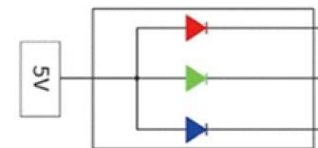
Benefits:

Accurate electricity distribution for RGB LED chips to save energy and lower the power consumption by more than 30%.

Less heat generated from electrical components prolongs the lifespan of the panel.

With a lower temperature inside the panel, electrical components can work more stably to provide better video quality.

Common Cathode Aluminum LED Display

Conventional LED Display

Optional Portable Dolly

Each dolly is designed to hold up to four 1600×900mm LED panels, making transportation and storage efficient and hassle-free. The dollies are stackable for optimal space-saving, ideal for large-scale deployments and streamlined logistics.

Specifications

ATS-PRO Element Perimeter 900 Series LED panel shown.

Specifications	ELPM900P6	ELPM900P8	ELPM900P10
LED Type	SMD2727	SMD2727	SMD2727
Pixel Pitch (mm)	6.67	8.33	10
Panel Dimensions (W*H)/(mm)	1600x900x86	1600x900x86	1600x900x86
Pixel Per Panel	240x135	192x108	160x90
Panel Weight (kg/m²)	52	52	52
Panel Material	Aluminum	Aluminum	Aluminum
Module Dimensions (W*H)/(mm)	400mm x 300mm	400mm x 300mm	400mm x 300mm
Brightness (nit)	8,000	8,000	8,000
Refresh Rate (Hz)	3,840Hz	3,840Hz	3,840Hz
Grayscale (bit)	14-16 bit	14-16 bit	14-16 bit
Viewing Angle (H/V) (°)	H-160°, V/up-40°, V/down-60°	H-160°, V/up-40°, V/down-60°	H-160°, V/up-40°, V/down-60°
Driving Type	6 scan	3 scan	3 scan
AC Operating Voltage (V)	100-240V	100-240V	100-240V
Power Consumption (Max./Avg.) (W/m²)	580/174	550/165	550/165
Storage Temperature (°C)	-40~+60°C	-40~+60°C	-40~+60°C
Operating Temperature (°C)	-40~+55°C	-40~+55°C	-40~+55°C
Storage Humidity (RH)	10%~60%RH	10%~60%RH	10%~60%RH
Operating Humidity (RH)	10%~95%RH	10%~95%RH	10%~95%RH
IP Rating (Front/Rear)	IP66	IP66	IP66
LED Lifetime (H)	10,000	10,000	10,000
Module Maintenance	Front/Rear	Front/Rear	Front/Rear
PSU & Other Maintenance	Front/Rear	Front/Rear	Front/Rear
Certification	ETL/FCC	ETL/FCC	ETL/FCC

Specifications subject to change. Please contact ATS-Pro for updated specifications.

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Masters in the Art of LED

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