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# ELEMENT PERIMETER 900

LIVE SPORTS. ANY WEATHER. EVERY MOMENT.

Built for the Elements. Made for the Game.



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## 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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# Perimeter Solution

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





## 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.



# CCES Technology

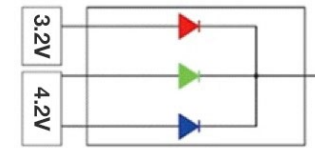
CCES is abbreviate for Common Cathode Energy Saving technology.

## Benefits:

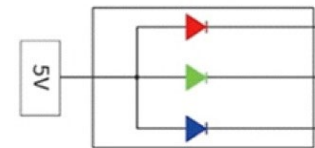
Accurate electricity distribution for RGB LED chips to save energy and lower the power consumption by more than 30%.

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.



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## Built for Safety. Ready for the Outdoors.

Engineered with materials compliant to UL 94 5VB fire-resistance standards, our LED panels deliver peace of mind alongside stunning visuals. Whether installed in stadiums, transit hubs, or high-traffic outdoor environments, you can trust our technology to perform safely—even under demanding conditions.



# 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)                                 | 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/m <sup>2</sup> ) | 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)                                  | 100,000                      | 100,000                      | 100,000                      |
| 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.





## Masters in the Art of LED

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