

ELEMENT HD SERIES

# Cool under pressure. Clear always.

Built for the Elements.  
Made for Impact.



ELEMENT HD SERIES 1.9mm, 2.6mm, 2.9mm,

**ATS | PRO**

# Superior Structural Design

Our LED panel features a high-precision die-cast aluminum cabinet, engineered to deliver both outstanding heat dissipation and superior structural integrity. The rigid yet lightweight design ensures precise module alignment, resists deformation over time, and performs reliably in demanding outdoor environments.



**RUGGED**  
CONSTRUCTION



**LIGHTWEIGHT**  
DESIGN



**LONG-TERM**  
RELIABILITY



## Optimized Cooling

The die-cast aluminum module back promotes natural air convection, helping regulate internal pressure and dispersing heat efficiently at the source.

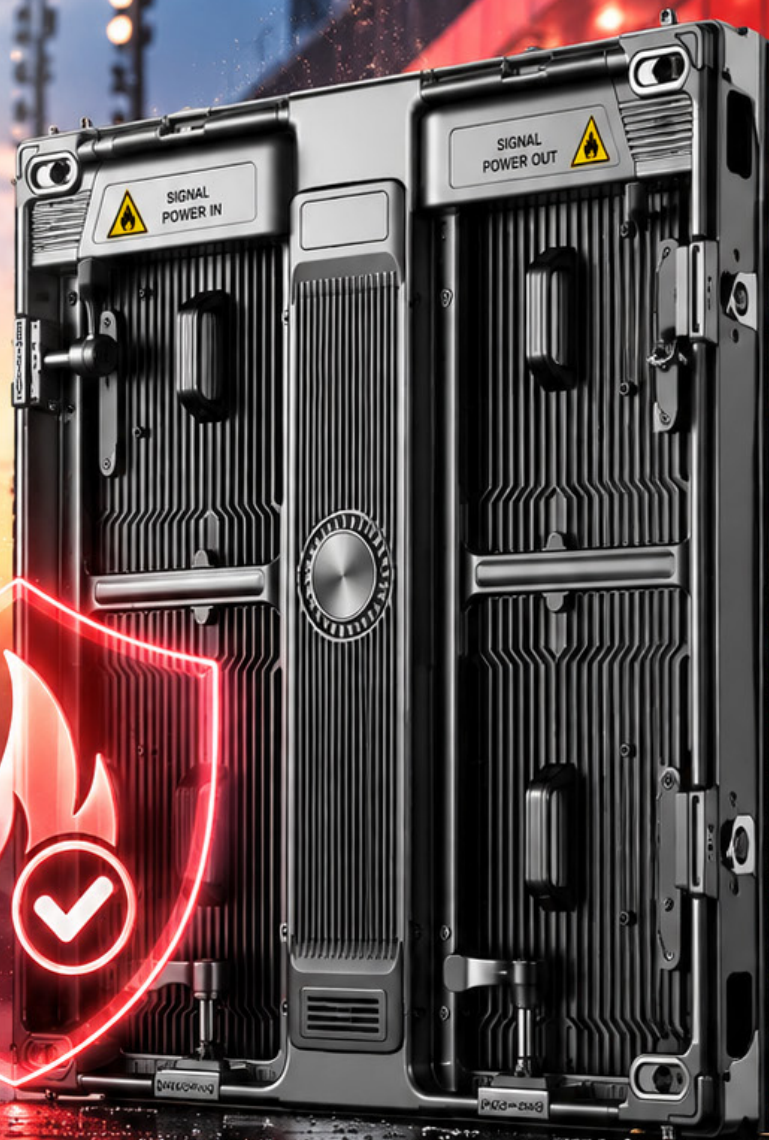
# Protection grade **IP66**

Built for reliable waterproof performance, the panel features sealed connectors between the modules and frame to prevent water ingress. Outdoor-rated power and data cables are routed through the bottom of the panel, ensuring stable and secure transmission. A drainage hole at the base prevents water accumulation, enhancing durability in all weather conditions.



# 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.



## **FIRE-RESISTANT DESIGN**

UL 94 5VB compliant materials for added safety and peace of mind.



## **OUTDOOR READY**

Reliable performance in all weather conditions.



## **BUILT TO PERFORM**

Engineered for high-traffic environments with long-term reliability.

# High Brightness

No matter the environment, high brightness is essential for delivering flawless image clarity and maintaining superior picture quality even in well-lit spaces or direct sunlight. With brightness levels reaching up to 5,000 nits, this display ensures vivid, impactful visuals in any lighting condition.



UP TO  
**5,000**  
NITS



# No Daisy Chain

The sleek, minimalist design features concealed cabling for a clean, professional appearance that elevates any outdoor installation. Built to withstand the elements, this streamlined look not only enhances visual appeal but also supports reliable performance in demanding outdoor environments.



# Outdoor Hanging Option

## Expand Your Possibilities with Elevated Impact

Engineered for ease and reliability, the Element HD optional hanging system delivers fast, secure installation—ideal for dynamic outdoor environments. Whether it's a sports bar, resort, theme park, or community center, this solution brings flexibility and efficiency to your LED deployment.

Capable of supporting up to 20 LED panels per column (equivalent to 10 meters in height), the system enables large-scale visual experiences with minimal installation complexity. From seasonal events to permanent outdoor applications, the Element HD hanging option ensures your message is seen—clearly, confidently, and with striking clarity.



FAST,  
SECURE  
INSTALLATION



SUPPORTS  
UP TO 20 PANELS  
PER COLUMN



IDEAL FOR  
DEMANDING  
OUTDOOR  
ENVIRONMENTS



# Front and Rear **Serviceable**

Ideal for outdoor installations, the LED panel features both front and rear serviceability, making maintenance quick and convenient regardless of location or mounting style. This dual-access design is especially valuable in outdoor settings where space and accessibility may be limited, ensuring reliable performance with minimal disruption.



# Specifications

ATS-PRO HD - Series LED panel shown.

| Specifications                                    | ELHD1.9           | ELHD2.6                      | ELHD2.9                      |
|---------------------------------------------------|-------------------|------------------------------|------------------------------|
| LED Type                                          | SMD1212(GOB)      | sMD1212                      | SMD1515                      |
| Pixel Pitch (mm)                                  | 1.9               | 2.6                          | 2.9                          |
| Panel Dimensions (W*H)/(mm)                       | 500x500x66        | 500x500x66                   | 500x500x66                   |
| Pixel Per Panel                                   | 256x256           | 192x192                      | 168x168                      |
| Panel Weight (kg/m <sup>2</sup> )                 | 36                | 34                           | 34                           |
| Panel Material                                    | Die Cast Aluminum | Die Cast Aluminum            | Die Cast Aluminum            |
| Module Dimensions (W*H)/(mm)                      | 250mm x 250mm     | 250mm x 250mm                | 250mm x 250mm                |
| Brightness (nit)                                  | 3,500-5,000       | 4,000                        | 4,500-5,000                  |
| Refresh Rate (Hz)                                 | 7,680Hz           | 7,680Hz                      | 7,680Hz                      |
| Grayscale (bit)                                   | 14-16 bit         | 14-16 bit                    | 14-16 bit                    |
| Contrast Ratio                                    | 5,000:1           | 7,000:1                      | 7,000:1                      |
| Color Temperature (K)                             | 8,000             | 8,000                        | 8,000                        |
| Viewing Angle (H/V) (°)                           | 160°/160°         | H-160°, V/Up-30°, V/Down-55° | H-160°, V/Up-20°, V/Down-40° |
| Driving Type                                      | 32 scan           | 24 scan                      | 21 scan                      |
| AC Operating Voltage (V)                          | 100-240V          | 100-240V                     | 100-240V                     |
| Power Consumption (Max./Avg.) (W/m <sup>2</sup> ) | 600/210           | 600/210                      | 600/210                      |
| 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                   |
| Panel Installation Type                           | Fixed / Rigging   | Fixed / Rigging              | Fixed / Rigging              |
| Certification                                     | ETL/FCC           | ETL/FCC                      | ETL/FCC                      |

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



©2026 ATS PRO. ATS PRO is a registered mark of Activate the Space, LLC. Specifications and design are subject to change without notice. Non-metric weights and measurements are approximate. Simulated screen images. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective manufacturers and companies. See [ats-pro.com](https://ats-pro.com) for detailed information.

[www.ats-pro.com](https://www.ats-pro.com) | 800-755-3235

