



## Portable Outdoor LED Video Wall for High-Impact Messaging

*Mobile digital advertising, event broadcasting & public information—anywhere you need it*

The Envoltage LED Mobile Trailer Display is a fully self-contained, towable outdoor LED video wall engineered for maximum visibility, flexibility, and reliability. Designed for rapid deployment, this mobile LED solution delivers powerful visual impact for advertising, live events, sports viewing, emergency messaging, and community outreach—without the need for permanent installation. Built with rugged outdoor components and high-brightness LED technology, Envoltage mobile LED trailers turn any location into a dynamic digital experience.

## Key Features and Benefits

### Mobile & Easy to Deploy

- Towable design compatible with standard vehicles
- Compact folding structure for safe transport and storage
- Quick setup with hydraulic lifting and stabilization system
- Ideal for temporary, rotating, or multi-site installations

### High-Brightness Outdoor Performance

- Available pixel pitches: P4 / P6.67 / P8 / P10
- Outdoor brightness up to 6,500 nits for full daylight visibility
- 3,840Hz high refresh rate for smooth, flicker-free video
- Wide viewing angles ensure visibility from all directions

### Maximum Viewing Flexibility

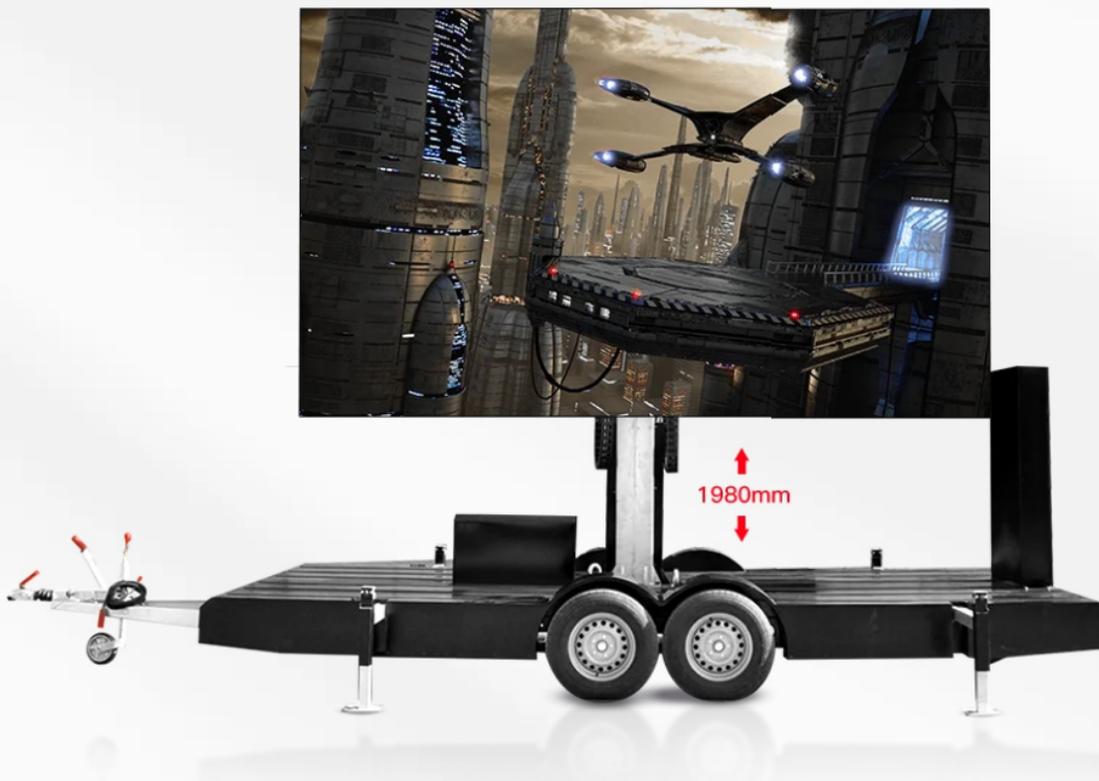
- 360° rotating LED screen for optimal audience positioning
- Hydraulic lift raises the screen to increase viewing range
- Adjustable height and angle for varied environments

### Built for All-Weather Use

- IP65-rated LED cabinets for rain, dust, and outdoor conditions
- Durable aluminum cabinet construction
- Designed for long-term outdoor operation and repeated transport

## Advanced Hydraulic System

Secure and stable hydraulic system. Screen height can be adjusted as per the requirements of the environment and scenarios.

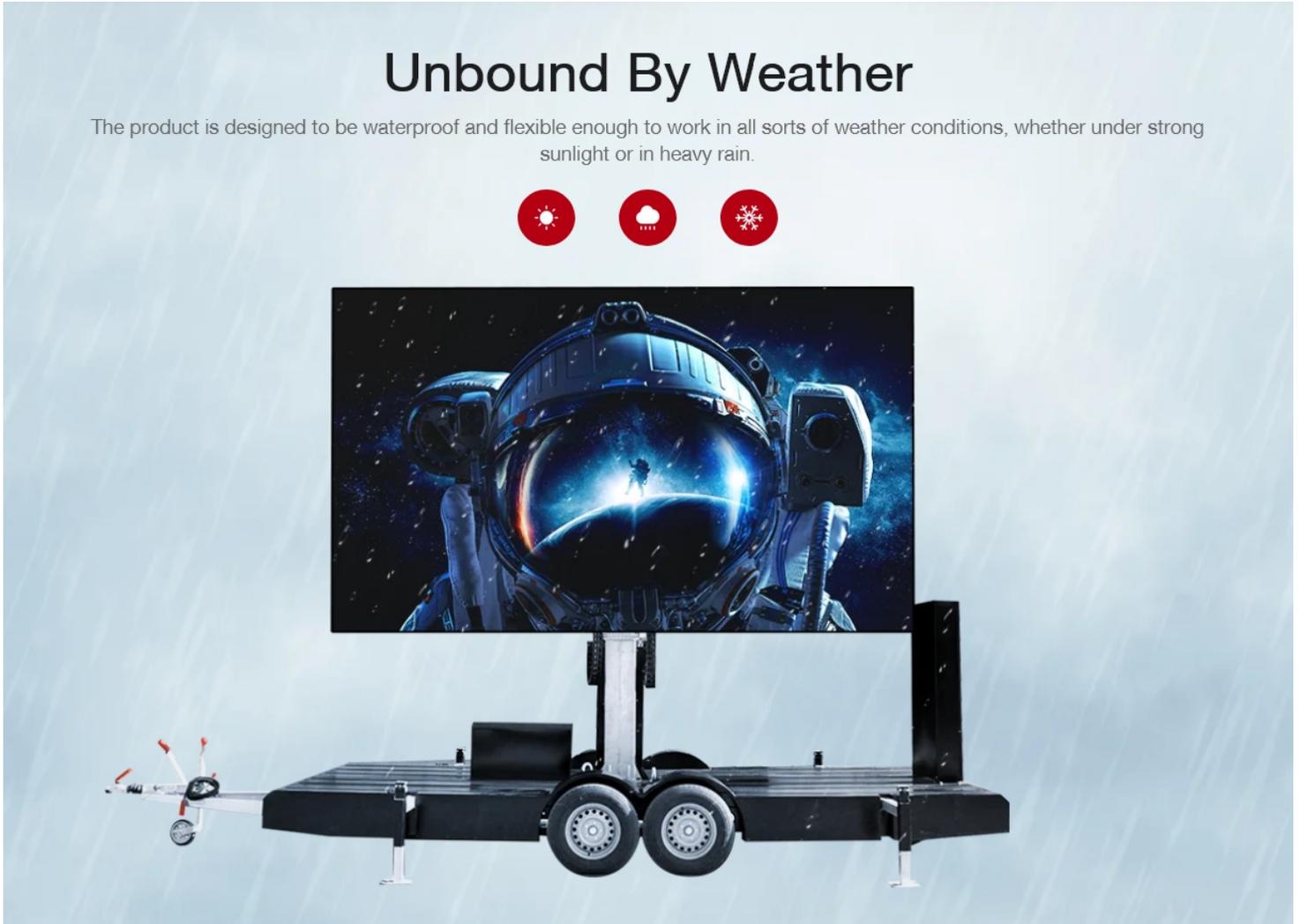


The advanced hydraulic system at the core of the Envoltage LED Mobile Trailer is engineered for smooth, reliable, and safe operation in real-world outdoor environments. Using heavy-duty hydraulic cylinders and precision controls, the system enables effortless screen lifting, lowering, and rotation at the push of a button. This allows operators to deploy the display quickly without cranes or specialized equipment, reducing setup time while ensuring stable positioning on uneven terrain. Integrated stabilizing supports distribute weight evenly, delivering a secure viewing platform even in high-traffic or temporary locations.

Designed for durability and repeat deployment, the hydraulic system supports 360° screen rotation and adjustable height to maximize visibility from any angle. Built with industrial-grade components, it performs consistently in a wide range of temperatures and weather conditions, making it ideal for long outdoor events and frequent relocation. Safety locks and controlled movement help protect both the LED screen and operators during setup and transport, ensuring dependable operation whether the trailer is used for advertising, live events, or emergency messaging.

## Unbound By Weather

The product is designed to be waterproof and flexible enough to work in all sorts of weather conditions, whether under strong sunlight or in heavy rain.

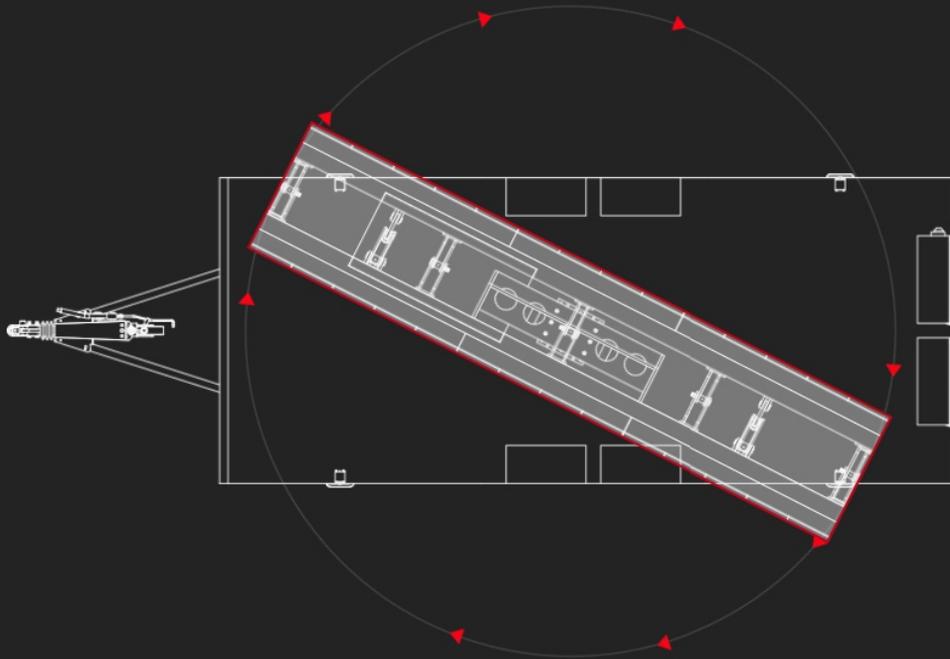


The Envoltage LED Mobile Trailer Display is built to perform reliably in demanding outdoor environments, with a weatherproof design engineered for year-round use. The LED cabinets feature an IP65-rated enclosure that protects critical components from rain, dust, and airborne debris, ensuring consistent operation in changing weather conditions. Sealed connectors, corrosion-resistant materials, and rugged cabinet construction help safeguard the display against moisture intrusion and environmental wear, making it well suited for outdoor events, roadside deployments, and extended installations.

Beyond basic water resistance, the display is designed to withstand extreme temperature ranges and prolonged outdoor exposure. High-quality LEDs and power components are selected for stable performance in both hot and cold climates, while efficient heat dissipation prevents overheating during long operating hours. This robust weatherproof construction minimizes downtime, reduces maintenance needs, and ensures the display remains bright, clear, and dependable—whether operating in direct sunlight, wind, rain, or dusty conditions.

## 360° Rotating LED Screen

Specifically-designed rotating guide pillar contributes to 360° rotating angel. It enables to promote your campaigns, advertisements and events on a large scale, easily catching the eyeballs of targeted audience with its stunning visual experience, high brightness and stable performance.



The Envoltage LED Mobile Trailer features a 360-degree rotating screen design that delivers unmatched flexibility for outdoor viewing and audience engagement. Powered by a precision hydraulic rotation system, the display can be smoothly positioned in any direction without moving the trailer itself. This allows operators to quickly adapt to changing crowd flow, traffic patterns, or site layouts, ensuring the screen always faces the optimal viewing angle. Whether deployed at an event, roadside location, or open public space, the rotating design maximizes visibility and impact from every direction.

This full-rotation capability is especially valuable in dynamic environments where audiences are spread across multiple viewing zones. By rotating the screen on demand, a single trailer can serve multiple areas throughout the day, increasing exposure without additional equipment or setup time. The controlled, stable movement protects the LED structure during rotation, while locking mechanisms secure the screen once positioned. The result is a versatile, efficient display solution that delivers maximum reach and adaptability for advertising, live broadcasts, and public messaging.

<b>External Dimension (mm)</b>	6810 (L)*2100(W)*2121(H) (With screen folded and not lifted)			
<b>Gross Weight</b>	2420KG	2420KG	2420KG	2420KG
<b>Pixel Pitch</b>	4 mm	6.67 mm	8 mm	10 mm
<b>LED Package Type</b>	SMD	SMD	SMD	SMD
<b>Module Dimensions</b>	12.6"x12.6" (320mm*320mm)	12.6"x12.6" (320mm*320mm)	12.6"x12.6" (320mm*320mm)	12.6"x12.6" (320mm*320mm)
<b>Screen Size (mm)</b>	4480 x 2560	4480 x 2560	4480 x 2560	4480 x 2560
<b>Screen Resolutfon (px)</b>	1120x640	672x384	560x320	448x256
<b>Refresh Rate</b>	≥3,840 Hz	≥3,840 Hz	≥3,840 Hz	≥3,840 Hz
<b>Video Rrame Rate</b>	60 frames/second	60 frames/second	60 frames/second	60 frames/second
<b>Grayscale</b>	65,536 (281 trillion colors)	65,536 (281 trillion colors)	65,536 (281 trillion colors)	65,536 (281 trillion colors)
<b>Color Depth</b>	16 bit	16 bit	16 bit	16 bit
<b>Contrast Ratio</b>	3,000 : 1	3,000 : 1	3,000 : 1	3,000 : 1
<b>Brightness</b>	≥4,500 NITS	≥6,500 NITS	≥6,500 NITS	≥6,500 NITS
<b>Brightness Control</b>	256 levels	256 levels	256 levels	256 levels
<b>Ideal Viewing Range</b>	18' or greater	18' or greater	22' or greater	28' or greater
<b>Ideal Viewing Angle</b>	160°(H) / 120°(V)	160°(H) / 120°(V)	160°(H) / 120°(V)	160°(H) / 120°(V)
<b>Max. Power Consumption</b>	63W/ft <sup>2</sup> (680W/m <sup>2</sup> )	70W/ft <sup>2</sup> (600W/m <sup>2</sup> )	70W/ft <sup>2</sup> (600W/m <sup>2</sup> )	70W/ft <sup>2</sup> (600W/m <sup>2</sup> )
<b>Avg. Power Consumption</b>	21W/ft <sup>2</sup> (230W/m <sup>2</sup> )	23W/ft <sup>2</sup> (200W/m <sup>2</sup> )	23W/ft <sup>2</sup> (200W/m <sup>2</sup> )	23W/ft <sup>2</sup> (200W/m <sup>2</sup> )
<b>Input Voltage</b>	110 ~ 220VAC	110 ~ 220VAC	110 ~ 220VAC	110 ~ 220VAC
<b>Ingress Protection</b>	IP65	IP65	IP65	IP65
<b>Operating Temperature</b>	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)
<b>Lifespan (Hours)</b>	100,000	100,000	100,000	100,000
<b>Cabinet Material</b>	Aluminum	Aluminum	Aluminum	Aluminum
<b>Tire</b>	Solid rubber tires			
<b>Brake</b>	Hand brake			
<b>Hydraulic Lifting System</b>	Lifting Range 1980mm			
<b>Hydraulic Rotating System</b>	Rotate 360°, Fold 180°			
<b>Wing-against Level</b>	8 (lift up 1800mm)			
<b>Maximum screen height (from ground to top)</b>	5217mm			
<b>Supports</b>	Mechanical structure for manual use			

