



SOLAR POWERED TRAILER



FC IC

Introducing TitanWatch™ — The Future of Mobile Surveillance

TitanWatch delivers rapidly deployable, autonomous surveillance to locations where traditional security infrastructure isn't viable. This NDAA-compliant mobile tower combines solar power generation, multi-channel recording, dual connectivity, and active deterrence systems into a single-axle trailer that one person can deploy in under an hour—then reposition remotely as needs evolve



100% Solar
No Grid Power Needed



< 20 Min
Deployment Time



7-10 Days
Battery Life Per Charge



Built-in Network Recorder
4-channel embedded computer with 4TB onboard storage and 4G LTE-ready for remote access.

KEY FEATURES

1. Industry-Leading Autonomous Operation

11.8 kWh battery capacity paired with 1,380W solar generation delivers 7-10 days of continuous operation without sunlight—the largest capacity available. Intelligent energy management optimizes consumption while real-time dashboards show remaining runtime. Charges to 140°F, discharges to -4°F for extreme weather performance.

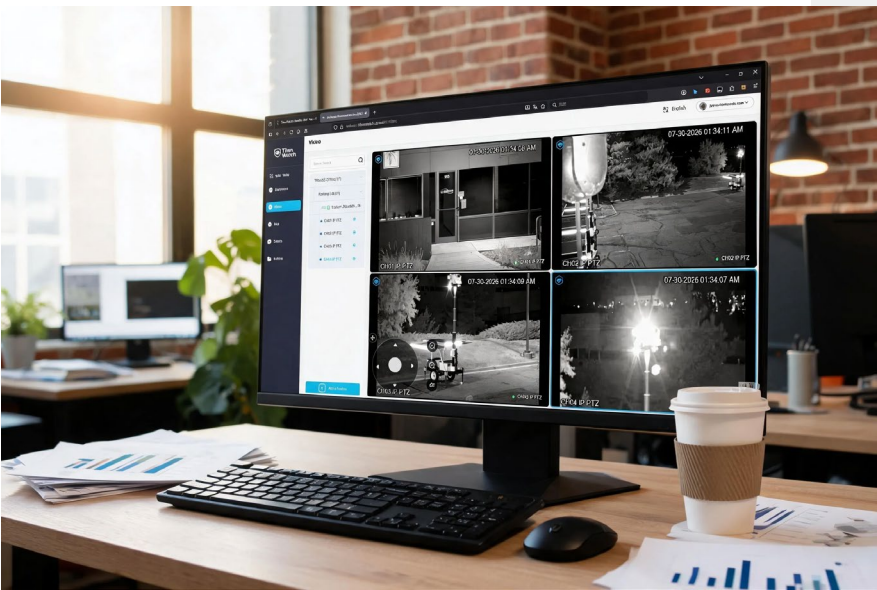


2. Unmatched Compliance & Construction Standards

NDAA-compliant components meet federal requirements—critical for government and defense applications. UL and FCC certified with international compliance. IP67 weatherproofing, C5-I corrosion resistance (maximum rating), and Level 12 wind resistance exceed industry standards. Electrophoretic-coated aluminum alloy mast withstands extreme industrial and marine environments. Under 780 kg allows towing with standard vehicles.

3. Exclusive Elevated Intelligence Hub

GPS tracking monitors trailer location continuously. Removable hand crank and lockable enclosures prevent unauthorized access. The system provides real-time visibility into battery charge levels, solar panel output, and component status. Automatic software updates maintain current security and operational patches.



4. Redundant Multi-Layer Coverage

Four-camera system: three PTZ (pan-tilt-zoom) with automatic tracking plus one wide-angle lens—comprehensive coverage that eliminates blind spots. Four-channel embedded computer captures simultaneous feeds with 4TB storage retaining weeks of footage at up to 16MP resolution. AI analytics run locally with free text alerts (motion detection, intrusion, tripwire, object tracking, abandoned / missing object detection).



5. Advanced Energy Storage

Four 230Ah batteries provide 11.8 kWh in 48V configuration. The system charges from 32°F to 140°F (0°C to 60°C) and discharges to -4°F (-20°C). Integrated protection circuits guard against over-current, over-voltage, short circuit, and thermal conditions. Full AC charge completes in 26 hours.



CAPABILITIES

Control Rack

- Blue strobe lights
- LED floodlight
- Integrated speaker
- 3 PTZ cameras + 1 Wide angle camera

Power Unit

- Three 460W solar panels (1,380W total)
- 7-10 day runtime without sunlight

Battery Storage

- Four 230Ah batteries (11,800 Wh total)
- 48V configuration
- Charge: 32°F to 140°F / Discharge: -4°F to 140°F
- 26-hour AC recharge

Data Storage

- 4-channel Linux-based NVR
- 4TB storage
- Up to 16MP camera support

Analytics

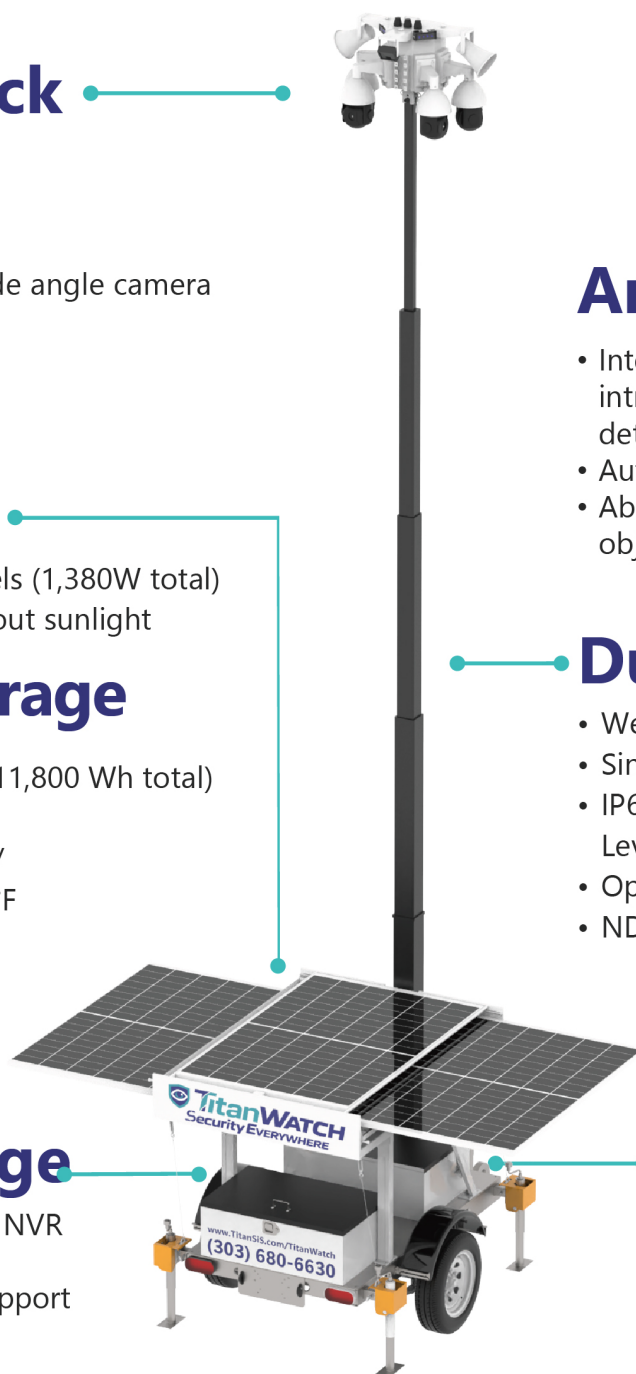
- Intelligent motion detection, intrusion detection, tripwire detection
- Automatic object tracking
- Abandoned and missing object detection

Durable Design

- Weight: 780 kg / Height: 8 meters
- Single-axle trailer design
- IP67, C5-I corrosion, Level 12 wind resistance
- Operating temp: -22°F to 158°F
- NDAA, UL, FCC compliant

Connectivity

- Starlink satellite (optional)
- 4G LTE with built-in eSIM
- TitanCloud platform/ Mobile app (iOS/Android)

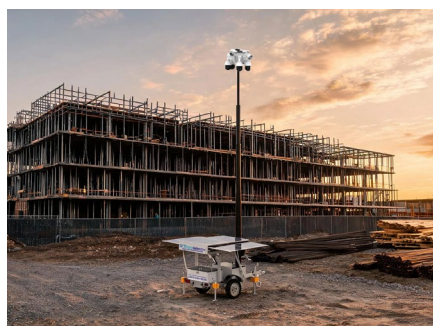


Industries We Protect



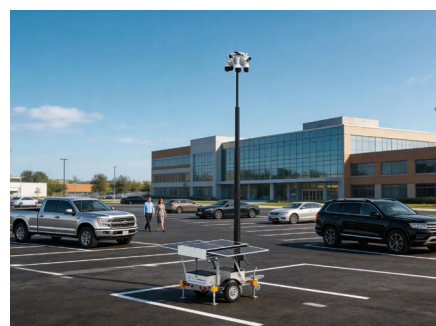
Outdoor Events

Safeguard outdoor events with continuous monitoring and long-lasting battery.



Construction

Centralize construction safety through AI analytics and remote monitoring.



City Safety

Monitor critical spaces with cellular connectivity.

DEPLOYMENT IN 3 STEPS



01. Position

Position trailer at location, extend support legs, and manually deploy the solar panel array.



02. Install

Connect cameras and speakers via pre-wired connectors, then mount to mast brackets.



03. Configure

Scan the QR code and complete system configuration through the mobile application.

Monitor Without Limits

The solar trailer operates independently with 1,380W solar generation and 11.8 kWh battery capacity, providing 7-10 days autonomous runtime without sunlight. IP67-rated enclosures function from -22°F to 158°F (-30°C to 70°C) in harsh environments.

The system delivers 4-channel recording with 4TB storage and up to 16MP camera support. NDAA-compliant design and mobile deployment expand professional-grade coverage to locations previously unviable for traditional installations.



READY TO DEPLOY?

Contact our team to discuss your specific security challenges and explore deployment options tailored to your site requirements.