



*\*Cameras & Accessories  
Sold Separately*

## Features

- Self-Powered Solar Design – Integrated solar panels and onboard battery storage enable continuous operation without external power.
- Rapid Deployment Platform – Tow to location, stabilize, and deploy with no trenching or wiring required.
- Telescoping Mast for Elevated Coverage – Improves line-of-sight and expands surveillance coverage.
- Multi-Device Mounting Capability – Supports cameras, communication hardware, lighting, and deterrence accessories.
- Rugged, Outdoor-Rated Construction – Weather-resistant enclosure protects internal components.
- Towable, Road-Ready Trailer – Designed for easy relocation between job sites.
- Stabilizing Outriggers – Integrated leveling jacks ensure secure placement and stable operation.
- Flexible, Scalable Platform – Easily configurable to meet site-specific security requirements.

Model	INVID-TTSST1305
Solar System	
Solar Panel	Mono-crystalline silicon
Rate Power	435W x 3
Open Circuit Voltage	DC39.33V
Efficiency	22.30%
Series & Parallel	3 in parallel
Angle	30°-45°, Manual Lifting
Battery System	
Type	LFP
Capacity	DC25.6V 460Ah x 1pc, 11.78kWh
BMS	Yes
Data Monitor	Victron SmartShunt 500A/50mV
Smart Protection	Victron Smart BatteryProtect 12/24V - 65 amp
Heater	Yes
Life	Cycle 4000 at 95% DOD,25°C
Ambient Temperature	Charging: 32°F ~ 131°F (0°C - 55°C) Discharging: -4°F ~ 131°F (-20°C - 55°C)
Lifting System	
Type	Square, Telescopic
Material	Steel Q235, Galvanized
Height	23ft (7m)
Section	5
Wire Rope	Stainless Steel 304, 5mm

## INVID-TTSST1305

Self-Powered | Rapid Deployment | Remote Monitoring Platform

The Mobile Solar Surveillance Trailer is a fully self-contained, towable security platform designed to deliver reliable surveillance in locations without permanent power or network infrastructure. Engineered for fast deployment and long-term outdoor use, this solar-powered trailer provides an elevated mounting solution for cameras, communication equipment, and deterrence devices.

Built on a rugged trailer chassis, the system features an integrated solar array, onboard battery storage, and a telescoping mast for optimal camera positioning and wide-area coverage. Once deployed, the trailer operates independently, making it ideal for temporary, remote, or rapidly changing environments where flexibility and mobility are critical.

This solution serves as a scalable surveillance platform, allowing integrators to select and deploy cameras, analytics, deterrents, and connectivity options based on the specific needs of each site.

Spiral Cable	2 × Cat5e + 14 × Power Supply (7 pair)
Lifting Method	Manual Winch
Recommended Loading	11lb ~ 110lb (5kg ~ 50kg)
Windproof	72.7mph (117kph)
Trailer System	
Trailer Standard	US / AU / EU
Trailer Light	US / AU / EU
Tow Hitch	2" (50mm) Ball Type
Jockey Wheel	8" (200mm)
Axle	Single, Suspension, Electric Brake
Tire	15 inch
Outrigger	4 × Manual, Galvanized
Bubble level	4 pcs
Wheel Chock	2 pcs
Forklift Pocket	Yes
Lifting Ring	4 pcs
Control System	
Solar Controller	Victron SmartSolar MPPT 150V, 60 amp
Efficiency	95%+
Power Supply	DC12V, 24V, 48V, 110V AC outlet
Protection	Yes
Remote	Victron Cerbo GX MK2
Charger system	
Battery Charger	600W
Efficiency	89%
Socket	1 × 16A, AC120V
Gasoline Generator (OPTIONAL)	
Power Output	DC 25.6V
Rate Power	2KW
Fule/ Tank Volume	Regular Gasoline, 100L
Fule Consumption	Less than 0.5L/h
Start/Stop Mode	Auto Start: SOC ( State of Charge) at 30% Auto Stop: SOC (State of Charge) at 90%
Noise Level	Less than 65dB
Dimension	
Shipping	87.4 x 64.2 x 95.3 in (2220 × 1630 × 2420 mm)
Transportation	135.4 x 64.2 x 107.5 in (3440 × 1630 × 2730 mm)
Operation	135.4 x 142.5 x 285.4 in (3440 × 3620 × 7250 mm)
Others	
Material	Steel Q235
Powder	Outdoor + Anti-Corrosion
Weight	2755lb (1250kg)
Strobe Light	2PCS on the camera mounting box, 2PCS on the trailer body
System Voltage	DC24V
Work Temperature	-4°F ~ 140°F (-20°C ~ 60°C)

## Ordering Information

**INVID-TTSST1305:** Mobile Solar Surveillance Trailer

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