VT-RST230

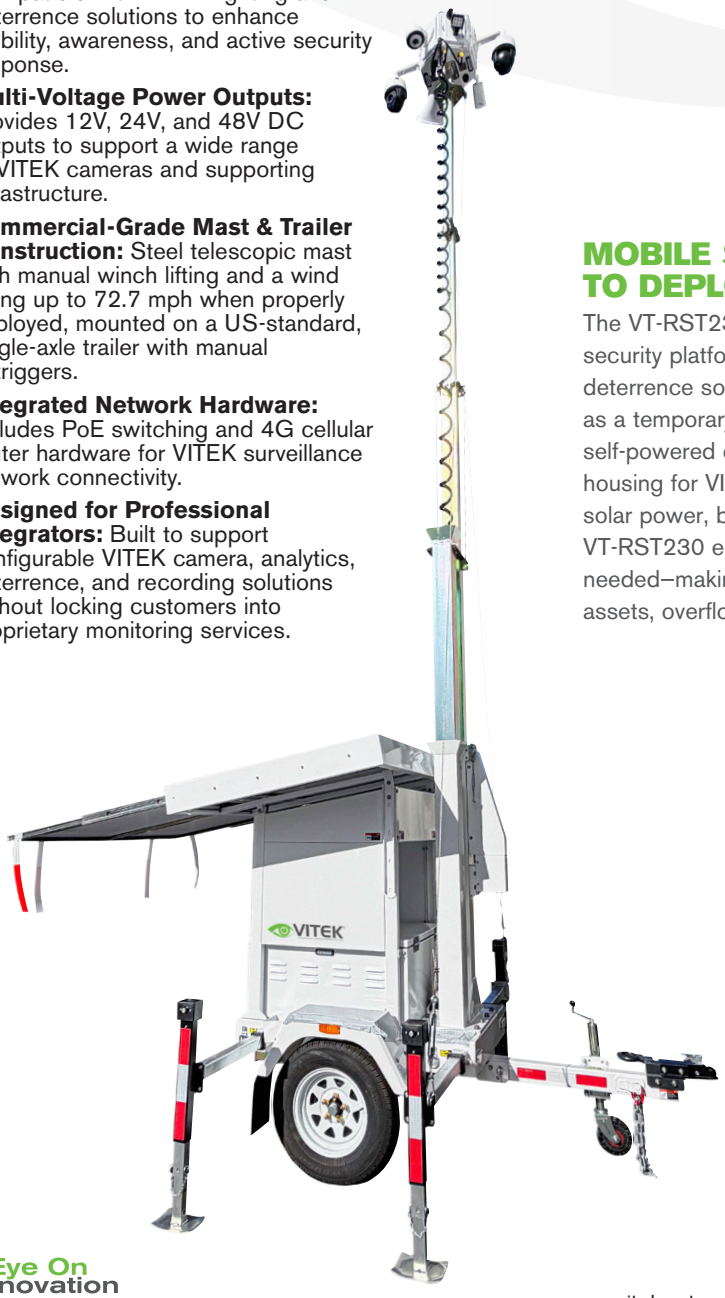
Deploy VITEK Surveillance Anywhere – Powered by a Mobile Solar Platform

VITEK® INDUSTRIAL VIDEO PRODUCTS, INC.

KEY FEATURES

- **Self-Powered Platform for VITEK Surveillance:** Integrated solar power and battery storage enable off-grid operation without utility power or permanent infrastructure.
- **Extended Off-Grid Operation:** Designed to support sustained off-grid surveillance deployments, with runtime dependent on system configuration and site conditions.
- **Rapid Deployment for Temporary Security Needs:** Trailer-mounted design allows quick setup and relocation without trenching, utility hookups, or permanent foundations.
- **Integrated Camera & Equipment Mounting:** Includes a pre-wired camera mounting box and internal equipment cabinet for clean, secure installation of cameras, recorders, routers, and edge devices.
- **Supports VITEK Deterrence & Illumination:** Compatible with VITEK lighting and deterrence solutions to enhance visibility, awareness, and active security response.
- **Multi-Voltage Power Outputs:** Provides 12V, 24V, and 48V DC outputs to support a wide range of VITEK cameras and supporting infrastructure.
- **Commercial-Grade Mast & Trailer Construction:** Steel telescopic mast with manual winch lifting and a wind rating up to 72.7 mph when properly deployed, mounted on a US-standard, single-axle trailer with manual outriggers.
- **Integrated Network Hardware:** Includes PoE switching and 4G cellular router hardware for VITEK surveillance network connectivity.
- **Designed for Professional Integrators:** Built to support configurable VITEK camera, analytics, deterrence, and recording solutions without locking customers into proprietary monitoring services.





MOBILE SOLAR SURVEILLANCE TRAILER READY TO DEPLOY VITEK SOLUTIONS ANYWHERE!

The VT-RST230 Mobile Solar Surveillance Trailer is a rapidly deployable security platform that extends VITEK video surveillance, analytics, and deterrence solutions to locations without power or infrastructure. Designed as a temporary or relocatable deployment solution, the VT-RST230 provides self-powered operation, integrated mounting, and protected equipment housing for VITEK cameras, lighting, and networking hardware. By combining solar power, battery storage, and a wind-rated telescopic mast, the VT-RST230 enables professional-grade surveillance coverage anywhere it's needed–making it ideal for construction sites, temporary facilities, remote assets, overflow parking, and other short or mid-term security applications.



BUILT TO SUPPORT THE VITEK SURVEILLANCE ECOSYSTEM

TRANSCENDENT by VITEK · KNIGHT GUARD · OPTI-COLOR · INTELLIGENT ANALYTICS by VITEK · AUTO-ZOOM TRACKING PTZ · 180° PANORAMIC · AUDIO Surveillance

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VT-RST230

POWER SYSTEM

Solar Panels	2 × 435W High-Efficiency Monocrystalline Panels
Battery Type	Lithium Iron Phosphate (LFP)
Battery Capacity	230Ah @ DC 25.6V
Energy Capacity	≈ 5.9 kWh
Battery Life	Up to 4,000 charge cycles
Depth of Discharge	Up to 95%
AC Battery Charger	1.5kW (45A) AC120V (Approx. 89% efficiency)
Charge Controller	40A MPPT, 95% Efficiency
Power Outputs	DC 12V / 24V / 48V
Runtime	Varies based on connected equipment, power draw, and sunlight conditions

MAST & MOUNTING

Mast Type	Steel Telescopic Mast (Q235)
Mast Height	20.7' (6.3m)
Lift Mechanism	Manual Winch
Max Load Capacity	11lb ~ 110lb (5kg ~ 50kg)
Wind Rating	Up to 72.7 mph (when properly deployed)
Camera Mounting	Integrated, pre-wired camera mounting box

TRAILER & DEPLOYMENT

Trailer Type	Single-Axle Mobile Trailer
Hitch	US-Standard Ball Hitch
Stabilization	Manual Outriggers
Deployment Type	Temporary / Relocatable

INTEGRATION & EXPANSION

Equipment Cabinet	Internal cabinet with mounting board
Supported Devices	Cameras, recorders, speakers, routers, edge devices
Network Support	Ethernet pass-through to camera mounting box
Network Hardware	Integrated PoE Switch and 4G Cellular Router

ENVIRONMENTAL, WEIGHT, DIMENSIONS

Operating Temperature	-4°F to +140°F (–20°C to +60°C)
Weight	1,980 lb (800 kg)
Dimensions (Shipping)	62.99" x 70.86" x 83.85" (1600 × 1800 × 2130mm)
Dimensions (Transportation)	106.69" x 70.86" x 83.85" (2710 × 1800 × 2930mm)
Dimensions (Deployed)	150.94" × 70.82" × 293.62" (3834 × 1799 × 7458mm)