VT-RST314G2

Deploy VITEK Surveillance Anywhere – Powered by Hybrid Solar + Generator Technology

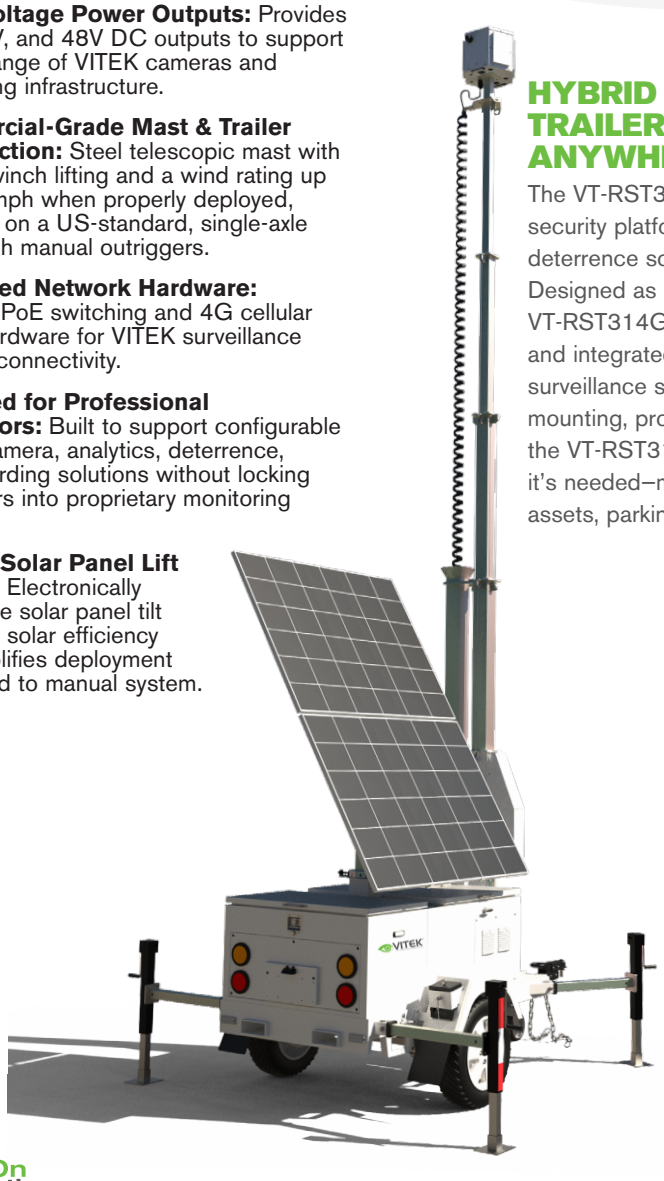
KEY FEATURES

- **Self-Powered Hybrid Platform for VITEK Surveillance:** Integrated solar power, battery storage, and generator backup support off-grid operation without utility power or permanent infrastructure.
- **Generator Backup for Low-Sunlight Conditions:** Integrated generator backup helps support surveillance operation during extended low-sunlight 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.
- **Electric Solar Panel Lift System:** Electronically adjustable solar panel tilt improves solar efficiency and simplifies deployment compared to manual system.



HYBRID SOLAR + GENERATOR SURVEILLANCE TRAILER READY TO DEPLOY VITEK SOLUTIONS ANYWHERE!

The VT-RST314G2 Hybrid Solar Surveillance Trailer is a rapidly deployable security platform that extends VITEK video surveillance, analytics, and deterrence solutions to locations without reliable power or infrastructure. Designed as a temporary or relocatable deployment solution, the VT-RST314G2 combines high-efficiency solar panels, battery storage, and integrated generator backup to deliver dependable off-grid power for surveillance systems in virtually any environment. With integrated camera mounting, protected equipment housing, and a wind-rated telescopic mast, the VT-RST314G2 enables professional-grade surveillance coverage wherever it's needed–making it ideal for construction sites, temporary facilities, remote assets, parking areas, and other short- or mid-term security applications.





BUILT TO SUPPORT THE VITEK SURVEILLANCE ECOSYSTEM

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

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VT-RST314G2

HYBRID POWER SYSTEM

Solar Panels	Mono-crystalline silicon
Battery Type	Lithium Iron Phosphate (LFP)
Battery Capacity	DC25.6V 314Ah x 1pc
Energy Capacity	≈ 8.04kW·h
Battery Life	Up to 4,000 charge cycles
Depth of Discharge	Up to 95%
AC Battery Charger	1.5kW (45A) 1 x 16A, 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	Square Steel Telescopic Mast (Q235), Galvanized
Mast Height	20.7' Max (6.3m)
Lift Mechanism	Manual Winch
Max Load Capacity	110lb (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 w/ Suspension & Electric Brake
Hitch	US-Standard Ball Hitch 2”
Stabilization	4 x Manual Outriggers, Galvanized
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)	87.79" x 66.54" x 82.68" (2230 × 1690 × 2100 mm)
Dimensions (Transportation)	138.98" x 64.96" x 113.77" (3530 × 1650 × 2890 mm)
Dimensions (Deployed)	138.98" × 94.49" × 292.13" (3530 × 2400 × 7420 mm)

GENERATOR SYSTEM

Integrated Generator	Yes
Power Output	1800 Watts
Fuel Type	Gasoline
Start Method	Electric Start