

ALERT ATV

US PAT NO: 9,309,686



+/- 25° Auto-Leveling Mast

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Up to 84 mph Survival Wind

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Self-Supporting

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Heights up to 25 ft.

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ISO 9001:2008



MOBILE SURVEILLANCE SOLUTIONS

ATV Mounted Applications

Masts capable of reliably supporting small to medium size payloads and sail areas mounted to all-terrain-vehicles.

US TOWER CORP.

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Auto Leveling Extreme Rough Terrain: ALERT ATV

The ALERT ATV is outfitted with US Tower Corp's ALERT II Mast System. The ALERT II improves upon the standard ALERT Mast System by incorporating a fully aluminum leveling platform into the system to reduce the overall system weight by as much as 300 lbs. The ALERT II family is used to support intelligence, surveillance, reconnaissance (ISR) and communication activities. The mast assembly is a telescoping system of polygonal sections with an internal spindle drive capable of operating at any intermediate height. With the touch of a button the mast is able to automatically tilt, level, extend and be fully operational in less than 2 minutes. The ALERT II System has been specifically designed to limit the impact of the ALERT System on the vehicle while ensuring that it continues to excel in remote and extreme rugged terrain applications.

Features:

- High-strength aluminum design
- Mounts directly onto ATV
- +/- 25° Bi-Directional Automatic Mast Leveling
- Full Control from the front of the ATV
- Operates at any Intermediate Height
- Self-Supporting (No guy cables req'd)
- Electric Mast Tilting
- Internal Spindle Drive (Low maintenance)
- Positive Automatic Lock System
- Manual Back-Up System
- Power: DC 12/24VDC
- Self Diagnosing Stealth Mode

Options:

- Vehicle Movement Interlock (warns operator that mast is extended when attempting to drive vehicle/automatically retracts when vehicle is moved while mast is deployed.
- Integrated Battery Pack
- Rapid Installation/Removal Adapter
- On-Board Real Time Diagnostic Display
- Generator
- Vehicle Integration
- Custom Payload Adapters
- Custom Payload Protective Cradles
- Customer specific finishes (Paint, Power Coat, Anodizing) Available



- Design Parameters:** Design per ANSI/TIA-222-G
- Wind Speed - See Table
 - Wind Exposure C
 - Structure Classification III
 - Topographic Category 1

ALERT ATV SPECIFICATIONS

EXTENDED HEIGHT³	UP TO 40 FT
MAXIMUM PAYLOAD	150 LBS
SYSTEM WEIGHT³	250 - 500 LBS
DESIGN WIND SPEED	65 MPH
SURVIVAL WIND SPEED	84 MPH⁴
ERECTABLE WIND SPEED³	UP TO 50 MPH
MAXIMUM SAIL AREA³	8 SQFT
DEPLOYMENT TIME³	AS LITTLE AS 1 MIN
STOWAGE TIME³	AS LITTLE AS 1 MIN

The modular design of the ALERT ATV allows for custom mast lengths up to 25' to meet customer needs.

- Notes:
1. Weight excludes any payload or options.
 2. All values shown are approximate and subject to change at the sole discretion of the manufacturer without notice.
 3. Dependent upon selected options and specific customer requirements.
 4. At this speed, vehicle may roll.