



# ALERT TRUCK

US PAT NO: 9,309,686



**+/- 25° Auto-Leveling Mast**



**Up to 84 mph Survival Wind**



**Self-Supporting**



**Heights up to 40 ft.**



**ISO 9001:2008**



# MOBILE SURVEILLANCE SOLUTIONS

## Truck Mounted Applications

Masts capable of reliably supporting small to medium size payloads and sail areas mounted to standard commercial pickups.

**US TOWER CORP.**

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# Auto Leveling Extreme Rough Terrain: ALERT TRUCK

The ALERT Truck 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 Truck 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 Truck 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 in the Bed of Standard Pickup Trucks
- +/- 25° Bi-Directional Automatic Mast Leveling
- Full Control from the Truck Cab
- 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 12/24 VDC
- 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
- Solar Power
- Generator
- Hybrid Solar-Generator System
- 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      • Structure Classification III  
 • Wind Exposure C                • Topographic Category 1

## ALERT TRUCK SPECIFICATIONS

<b>EXTENDED HEIGHT<sup>3</sup></b>	<b>UP TO 40 FT</b>
<b>MAXIMUM PAYLOAD</b>	<b>225 LBS</b>
<b>SYSTEM WEIGHT<sup>3</sup></b>	<b>475 - 620 LBS</b>
<b>DESIGN WIND SPEED</b>	<b>65 MPH</b>
<b>SURVIVAL WIND SPEED</b>	<b>84 MPH</b>
<b>ERECTABLE WIND SPEED<sup>3</sup></b>	<b>UP TO 50 MPH</b>
<b>MAXIMUM SAIL AREA<sup>3</sup></b>	<b>12 SQFT</b>
<b>DEPLOYMENT TIME<sup>3</sup></b>	<b>AS LITTLE AS 1 MIN</b>
<b>STOWAGE TIME<sup>3</sup></b>	<b>AS LITTLE AS 1 MIN</b>

*The modular design of the ALERT allows for custom mast lengths up to 40' 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.