

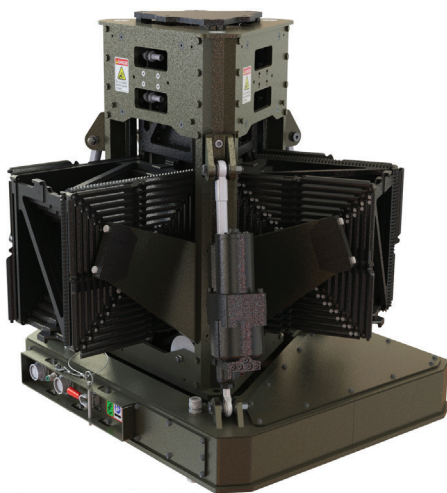


RAISING PERFORMANCE
WITH THE PUSH OF A BUTTON

STS-9

With its rapid deployment and real-time self-leveling capabilities, the STS-9 can be used in highly mobile applications that require rapid repositioning of surveillance platforms.

The tower's patented design allows it to be stowed at a compact 31 inches and extend to a full height of just under 2 minutes (16ft) and just over 2 minutes (20ft), making it the perfect solution for environments that demand rapid deployment. Its exceptional payload capacity enables a wide range of cameras, sensors, and antennas to be easily attached and deployed with the push of a button.



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towersolutionsinc.com
for more information



SURVEILLANCE



COMMUNICATIONS



TACTICAL SUPPORT



LIGHTING

STS-9 SPECIFICATIONS

Fully Deployed Height	20ft (6.1m)	16ft (4.9m)
Overall Dimensions ¹	29.6" W x 30.5" L x 31" H (75cm x 77cm x 79cm)	29.2" W x 30.6" L x 31" H (74cm x 78cm x 79cm)
Footprint (Deployed) ²	36.5" W x 35.75" L (93cm x 91cm)	35.5" W x 35" L (90cm x 89cm)
Approximate Tower Weight	350 lbs (158.8 kg) ³	280 lbs (127 kg) ¹
Set Up Time ⁴	In under two minutes	
Time to Max Deployed Height ⁵	132 seconds - 20ft (6.1m)	105 seconds - 16ft (4.9m)
Ability to Stop at Any Height	Yes	
Maximum Payload Capacity	350 lbs (16ft) 325 lbs (20ft)	
Mounting Interface	(6X) 5/8" (M16) Bolts. See ICD document for bolt mounting pattern.	
Max Wind Speed	Varies with Payload Sail Area and Weight	
Max Operation Angle	10° Degrees	
Operational Temperature Range	-13° – 149° Degrees Fahrenheit (-25° – 65° Degrees Celsius)	
Voltage	Voltage: 24 VDC	
Current	Max Current Draw: 30A	
Connect type	Amphenol AHDM or D38999	
Power Pinout	Pin 1 - 0V, Pin 2 - 24V	
Data connection	J1939 CAN bus. 3 wire (CAN HI, CAN LO, Shield)	
Commands	Auto extend/stow, Manual Extend/Stow, Go to Height (customizable)	
Telemetry	Extend/Stow Limit Fault, Power Status, Tower Height, Tower Level (reqs Auto-Leveling Option)	
Cable Management	Spring Powered Cable Reels or Nycoil	
Designed to meet MIL-STD-810 and MIL-STD-461 Standards for Environmental and EMI/EMC		

¹ No bale covers ²Please allow a minimum of 6 inch (15cm) clearance from other obstructions for tower bale rotation ³Excluding payload and cables

⁴Depending on Options/Conditions ⁵At max weight

OPTIONS

- **Auto-Leveling** – Auto level up to 10 degrees for use in almost any terrain
- **Truck Mount Skid** – Vehicle agnostic design for ease of mounting to commercial and military vehicles of any kind
- **Customization** – If you have unique requirements, we can deliver a solution.

