

# AEROSTAR TECHNICAL SOLUTIONS THE VISTA F25

## ENHANCING SECURITY THROUGH PERSISTENT SURVEILLANCE

Time is your most critical asset in an operational environment. Our suite of radar systems provides precise and actionable intelligence, offering operators the needed time to make the correct decisions.

The Vista F25 is a distinguished sensor utilized for its high performance and tactical size and weight. Mission proven, the Vista F25 is deployed on a variety of platforms across the globe and provides optimized tracking against difficult radar clutter conditions.

Our suite of radar systems can be controlled remotely, integrated with multiple optical sensors and C2 systems, and operated from a diverse set of platforms such as boats, towers, UAVs, vehicles, and aerostats, supporting 24/7, persistent wide-area monitoring.

Aerostar Technical Solutions offers a complete, high-performance radar solution, including integration and field support, at best value. By providing skilled team members to conduct safe and efficient operations on-site, our team ensures mission success through a comprehensive suite of support services.

Our suite of radar systems are trusted and deployed by the Department of Defense, the Department of Homeland Security, the U.S. Intelligence Community, and more.



## MISSION POSSIBILITIES

Defense

Intelligence and Reconnaissance

Infrastructure Security

Disaster Response

Incident Awareness and Assessment

Drug and Smuggling Interdiction

Force Protection

Port Security

Border Security

## MISSION- PROVEN SOLUTION



## FEATURES

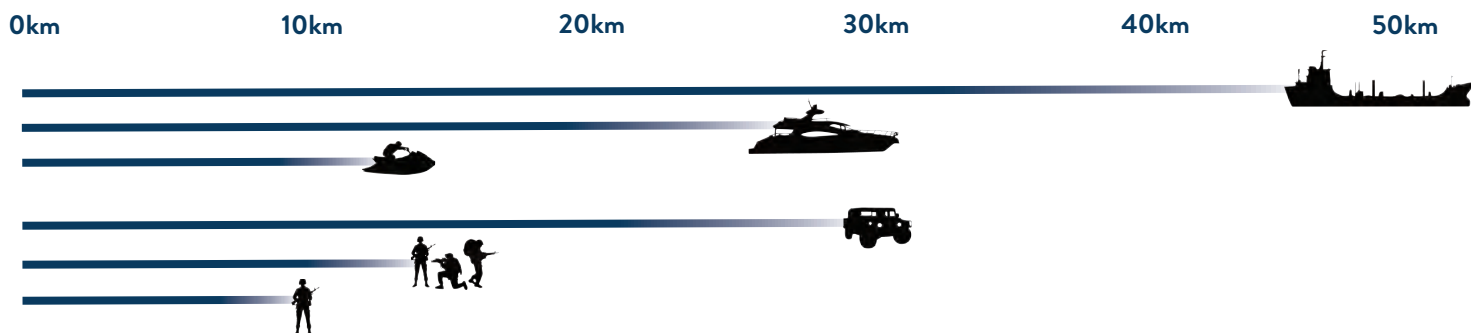
- All weather, 24/7 operations in high-clutter environments
- Land, maritime, and air tracking
- Fully adaptive with no operator adjustments
- Embedded status and control web application
- Unattended remote deployments
- Display of tracks from multiple sensor feeds and camera imagery
- Web-based fault system remote maintainence
- Continuous 360° automated wide-area tracking

## INDUSTRY-SURPASSING INTELLIGENT TRACKING

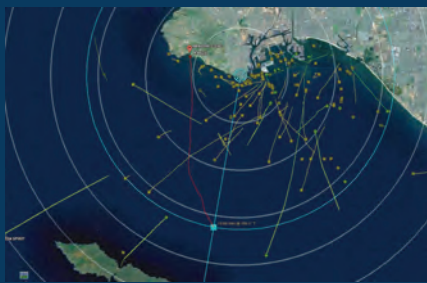
## SPECS

- SYSTEM PERFORMANCE:
  - SINGLE/GROUP WALKER(S)
  - SMALL BOAT, AIRCRAFT: 8-15+ km
  - MEDIUM VEHICLES, BOATS, AIRCRAFTS: 15-30+ km
  - LARGE BOATS, AIRCRAFTS: 30-60+ km
- RANGE ACCURACY: 10m
- AZIMUTH ACCURACY: 0.15°
- OPERATING FREQUENCY: X Band (9.4 GHZ)
- PEAK TRANSMIT POWER: 25,000W
- AVERAGE TRANSMIT POWER: >16W
- ANTENNA OPTIONS: 4.5 ft., 6 ft., 8 ft.
- ANTENNA GAIN: 31.5 dBi
- FALSE ALARM RATE: <1 per 6 hours
- SYSTEM WEIGHT:
  - TOWER BASED, 8FT ANTENNA: 111 lbs
  - AEROSTAT BASED, 8FT ANTENNA: 136 lbs

## RANGE



## VSTORM



Aerostar Technical Solutions' Command and Control (C2) software, vStorm, centralizes the ability to acquire, process, correlate, and disseminate track information from multiple sensors in your operational network. This intuitive geographic information system (GIS) provides a reliable common operating picture through effective integration & data management.

Real-time analytics provide over three months of track history for immediate playback, allowing forensic capabilities for live threat assessment, examination, or offline analysis.

Additionally, vStorm supports camera slew-to-cue for directing imaging systems to threats and the export of track information to other C2 systems.

The commodities described herein are regulated by the International Traffic in Arms Regulation (ITAR), 22 C.F.R, Subchapter M, Parts 120-130 per Section 38 of the Arms Export Control Act, 22 U.S.C. 2778. Transfer of these commodities or associated technical data as defined by ITAR §120.10 by any means to a non-U.S. person, whether in the United States or abroad, without prior approval from the U.S. Department of State is strictly prohibited. A U.S. person is as defined in ITAR §120.15.

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