

AEROSTAR TECHNICAL SOLUTIONS THE VISTA F50ER1

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 F50ER1 is a revolutionary 360° wide-area radar system that provides extended range capabilities. This system can be used for early detection of targets and their movement over land and water.

The Vista F50ER1 is controlled remotely and operates from a diverse set of platforms, including towers, vehicles, ships, aerostats, and aircraft. It is designed and optimized for automatically tracking targets against difficult radar clutter conditions, eliminating the need for operator adjustments and tuning.

Aerostar Technical Solutions offers a complete, high-performance radar solution, including integration and field support, at best value. By providing highly trained teams 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
- Coastal Security
- Insurgent Activity Detection



FEATURES

- 24/7, all-weather operations in high-clutter environments
- Maritime and air tracking
- Automatically tunes to the local environment without 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 maintenance

INDUSTRY-SURPASSING INTELLIGENT TRACKING

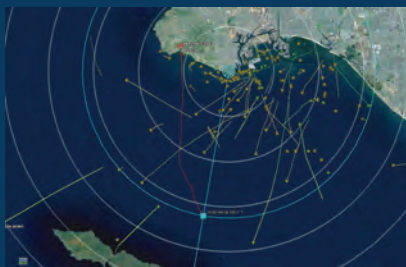
SPECS

- SYSTEM PERFORMANCE:
 - SMALL BOATS, AIRCRAFTS: 25-60+ km
 - MEDIUM BOATS, AIRCRAFTS: 60-85+ km
 - LARGE BOATS, AIRCRAFTS: 100-170+ km
- RANGE ACCURACY: 10m
- AZIMUTH ACCURACY: 0.15°
- OPERATING FREQUENCY: X Band (9.4 GHZ)
- PEAK TRANSMIT POWER: 50,000W
- AVERAGE TRANSMIT POWER: >24W
- ANTENNA OPTIONS: 10 ft. (High Gain)
- ANTENNA GAIN: 35.6 dBi
- FALSE ALARM RATE: <1 per 6 hours
- SYSTEM WEIGHT:
 - SHIP BASED: 307 lbs
 - AEROSTAT BASED, 2 AXIS LEVELER: 502 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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