

FAMILY OF RADAR SYSTEMS

ABOUT AEROSTAR

At our core is the desire to deliver life-saving solutions. We are committed to rapid innovation of highly technical and groundbreaking technology for critical missions that can change the world.

Aerostar's advanced radar systems are designed and optimized to track targets in difficult radar clutter conditions across land, maritime, and air, for defense, security, intelligence, and safety applications.

EXPERIENCED

With more than 35 years of signal processing expertise, our business model is driven by a focus on radar sensor markets, with a significant reinvestment in research and development. We are a team of problem solvers, and our goal is to connect and protect lives, enabling customers to safeguard what matters most with our elevated awareness solutions. And our radar products back up that commitment.



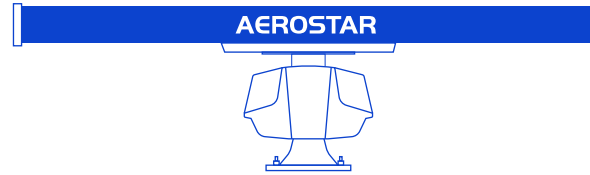
USA MANUFACTURED

Aerostar radars are 100% manufactured in the United States. With full control over timelines, and the ability to quickly scale production, we can respond rapidly to expedite production from our facility in Sioux Falls, South Dakota.

F-SERIES COTS RADARS MADE SMARTER

F25

Medium-range, combat-proven, multi-domain ISR



APPLICATIONS & MISSIONS

- Fixed-site border surveillance
- Harbor Protection & Port Security
- Ground Moving Target Indication (GMTI)
- **Platform Suitability:** Trailer Towers, Building Rooftops, Fixed Towers, Aerostats

F50 ER1

Long-range, maritime and air domain awareness



APPLICATIONS & MISSIONS

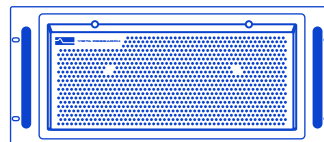
- Shipborne Maritime Air Search Radar (ASR)
- Airspace De-Confliction
- Maritime Moving Target Indication (MMTI)
- **Platform Suitability:** Naval Vessels, Trailer Towers, Building Rooftops, Fixed Towers, Aerostats

SPECIFICATIONS

	F25	F50 ER1
Average and Peak Transmit Power:	25 W 25,000 W	25 W 50,000 W
Input Power (20-48V Supply):	200 W	300 W
Scanner Mounting Footprint:	12" x 13"	14" x 18"
Antenna Size Options:	4', 6.5', or 8'	10'
Weight:	167 lbs. / 76 kg.	320 lbs. / 145 kg.
Export Controls:	ITAR	ITAR

PROVEN PERFORMANCE

- Persistent Surveillance System – Tethered (PSS-T)
- Persistent Ground Surveillance System (PGSS)
- CENTCOM FMS Border Security
- INDOPACOM FMS
- NAVAIR Air Search Radar (ASR)



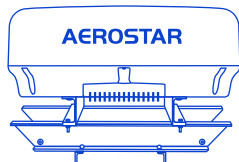
SSRP

The F-Series are commercial off-the-shelf (COTS) navigation radars enhanced by Aerostar's Smart Sensor Radar Processor (SSRP). The SSRP processes wide-area raw radar signals into track outputs for persistent surveillance and multi-sensor cueing. This fused situational awareness picture can be exported to external C2 or visualized via Aerostar's vStorm Common Operating Picture (COP).

HP SERIES NEXT-GEN SOLID STATE INTELLIGENT RADARS

HiPointer 100

Tactical, short-range, radar and perception sensor

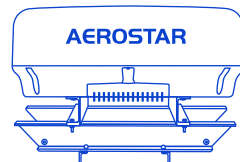


APPLICATIONS & MISSIONS

- Uncrewed Surface Vessel (USV) Perception for Autonomous Navigation and Collision Avoidance
- Critical Infrastructure Protection
- Quick-deploy ISR
- Airborne Maritime Moving Target Indication (MMTI)
- **Platform Suitability:** Boats, Vehicles, Masts, Group 3 UAS

HiPointer 150

Solid-state, medium-range, multi-domain



APPLICATIONS & MISSIONS

- Mobile Surveillance Platforms (Trucks, Trailers, USVs)
- Harbor Protection & Port Security
- Airborne (Aerostat) Ground Moving Target Indication (GMTI)
- **Platform Suitability:** Boats, Vehicles, Masts, Trailers, Aerostats, Group 3 UAS, Fixed Towers

HiPointer 250

Solid-state, long-range, multi-domain

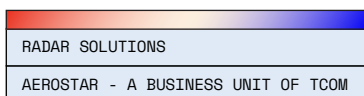


APPLICATIONS & MISSIONS

- Fixed-site Border Surveillance
- Harbor Protection & Port Security
- Airborne (Aerostat) Ground Moving Target Indication (GMTI)
- **Platform Suitability:** Boats, Vehicles, Masts, Trailers, Aerostats, Group 3 UAS, Fixed Towers

SPECIFICATIONS

	HiPointer 100	HiPointer 150	HiPointer 250
Size (LxWxH):	24.5" dia x 12.5"	24.5" dia x 12.5"	19" x 16" x 24" (sans antenna)
Weight:	< 33 lbs. / 15 kg. (22" ant)	< 36 lbs. / 16 kg. (22" ant)	< 80 lbs. / 36 kg. (4' ant) < 90 lbs. / 41 kg. (6.5' ant) < 100 lbs. / 45 kg. (8' ant)
Tracking:	8 km	14 km	20 km, 24 km, 26.5 km
Power:	175 W	250 W	350 W, 375 W, 400 W



SCAN TO
LEARN MORE

TO SEE THESE SOLUTIONS IN ACTION,
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