

STS-1400™

PERIMETER SURVEILLANCE RADAR

The STS-1400™ is a high resolution radar that accurately detects personnel and vehicles up to 1400 meters in virtually any climate, weather or lighting condition to provide 24/7 security.

The STS-1400 scans a full 360 degrees every second monitoring over 6 square kilometers (2.3 square miles). Additional units can be networked in an overlapping array to protect larger areas, like borders. As part of the ICx wide area surveillance product line, the STS-1400 may be networked with STS-350™ and STS-12000™ radars, as well as the DefendIR™ cameras, to conform to terrain profiles and secure the area outside and inside your perimeter. Since radars excel at detecting intruders, PTZ cameras can focus on their strength – identifying and assessing the threat – for a more efficient and cost effective solution.

The accuracy and ease of integration and operation of the STS-1400, like the entire line of ICx radars, separates it from the competition. Whether to secure airports or ports, borders or public infrastructure assets or for force protection, the STS-1400 is today's answer for detecting and tracking intruders as part of a wide area surveillance solution.



APPLICATIONS

- Secure borders
- Monitor Ports
- Guard industrial facilities
- Protect forces
- Defend public infrastructure

BENEFITS

- Detect personnel and vehicles
- Continuous wide area surveillance
- Early warning of intruders
- Low false alarm rates
- Camera integration
- Annunciator integration
- Simple to operate
- Cost effective



NEW THREATS.
NEW THINKING.™

SPECIFICATIONS

Target Types	Moving vehicles and personnel
Operating Range	2m to 1400m
Resolution	0.6m (range) x 1° (azimuth)
Detection Range	2 m – > 1,000 m, Personnel 2 m – > 200 m, Crawler 2 m – 1,400 m, Vehicles
Target Speed	0.1 m/s or greater
Target Travel Direction	No limitations
Coverage Area	6 km ² (2.3 mi ²)
Frequency	Ka-Band
Scan Rate	1 revolution per second
Azimuth Beamwidth	1.5°
Elevation Beamwidth	8°
Elevation Control	Up: 2.5°; down: 10° (fixed settings)
False Alarm Rate	Less than 2 per 24 hours
Input Power	24 to 32 VDC
Radiated Power	Safe for human exposure beyond 1m
Outputs	Ethernet 2 discrete inputs; 2 discrete outputs Intruder location (latitude/longitude, range/bearing, intruder course/velocity, signal quality)
XML	Amphitech XML
Transmission Masks	2 configurable angle “no transmit” sectors (no transmit) , 1° resolution.
Size	13” (height) x 17” Diameter
Weight	22 lbs (10 Kg)
Temperature	-30°C to +60°C
Weather Sealing	Weather resistant (rain, snow, dust, sand, saltspray)

Performance and specifications subject to change to accommodate product improvements.



ICx Radar Systems
8900 E Chaparral Road
Scottsdale, AZ 85250

T + 1.480.483.1997
F + 1.480.483.2011

www.icxt.com