

## Persistent Perimeter Detection Radar

> The ENA-2114 persistent perimeter detection radar is a new and advanced high resolution radar with unique and outstanding capabilities. Featuring simultaneous multibeam technology, it provides persistent surveillance and instantaneous target tracking over the entire region of interest (ROI). This technology allows immediate and simultaneous detection, monitoring and tracking of all moving ground targets in the ROI, in tough weather conditions.

Equipped with a stationary (non-rotating) planar array covering a sector of 90°, the ENA-2114 can detect a moving human (up to) 500 meters and up to 1000 meters for moving vehicles.

The ENA-2114 is characterized by high reliability and no required maintenance.



Homeland  
Security

# Features

- Multibeam solid-state FMCW RADAR
- Low false alarm rate
- Maintenance-less with low Life Cycle Cost (LCC)
- Instantaneous and continuous coverage
- High probability of target detection of non-persistent target interception in tough
- High accuracy, automatic and continuous multi-target detection and tracking
- Simple deployment and operation
- Interoperability with electro-optic sensors and command and control (C4ISR etc.) systems
- Command and Control application, providing a tactical picture of several networked radars and cameras

# Specifications

Description	Parameters	
Detection range	<b>Human</b>	<b>Vehicle</b>
	RCS 5.4 - 10.8 ft <sup>2</sup> 1640 ft (0.5 - 1 m <sup>2</sup> 500 m)	RCS 107.6 <sup>2</sup> 3281 ft (10 m <sup>2</sup> 1000 m)
Range accuracy	1.6 ft (0.5 m)	
Azimuth coverage	90°	
Azimuth accuracy	1°	
Elevation coverage	15°	
Minimum radial velocity	1.6 ft/sec (0.5 m/sec)	
Frequency band ISM	24.0 - 24.25 GHz	
Size (W x H x D)	6.7 x 5.1 x 2 in (17 x 13 x 5 cm)	
Weight	2.2 lbs (1 kg)	
Power consumption	12 w 48 v DC	
Environmental temperature	-20° - +50° c	
Certification mark	CE & FCC	
Communication & power	Ethernet cable with POE	

ELTA North America  
8955 Henkels Lane  
Annapolis Junction, MD 20701  
eltanorthamerica.com