

## Lightweight SAR/GMTI Radar

- > The ENA-2054 is a lightweight, all-weather Synthetic Aperture Radar/ Ground Moving Target Indicator (SAR/GMTI) for Small Tactical UAVs (STUAV), Vertical Take-Off and Landing (VTOL) UAVs, ultra-light reconnaissance aircraft, tactical aerostats, and other compact airborne platforms.

Exceptional performance with low SWaP (Size, Weight, and Power) parameters, the SAR/GMTI radar provides a highly effective solution for air-to-surface ISTAR applications.



MISSIONS



Airborne ISR

# Features

- Onboard processing of SAR images
  - Requires low downlink data rate
- Real-time SAR imagery
  - Wide Area Search (WAS) by Strip SAR capable of vehicle target detection
  - Very high-resolution Spot SAR for stationary target classification
- High performance GMTI capabilities
  - Persistent surveillance up to 12 miles (20 km)
  - Detects and tracks targets of different sizes and velocities
- Imagery & GMTI advantage
  - Automatic and computer aided target detection and tracking
  - Cross-cueing to/from EO/IR and SIGINT sensors



# Specifications

Description	Parameters
<b>Ranges</b>	up to 12.4 mi (20 km) (SAR/GMTI modes)
<b>SAR Strip area collection rate</b>	up to 290 mi <sup>2</sup> /hour (750 km <sup>2</sup> /hour)
<b>Weight</b>	17.6 - 22 lbs (8 - 10 kg)
<b>Power</b>	< 200 Watt @ 28 Vdc
<b>Radar interfaces</b>	fast Ethernet (other formats optional)

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