

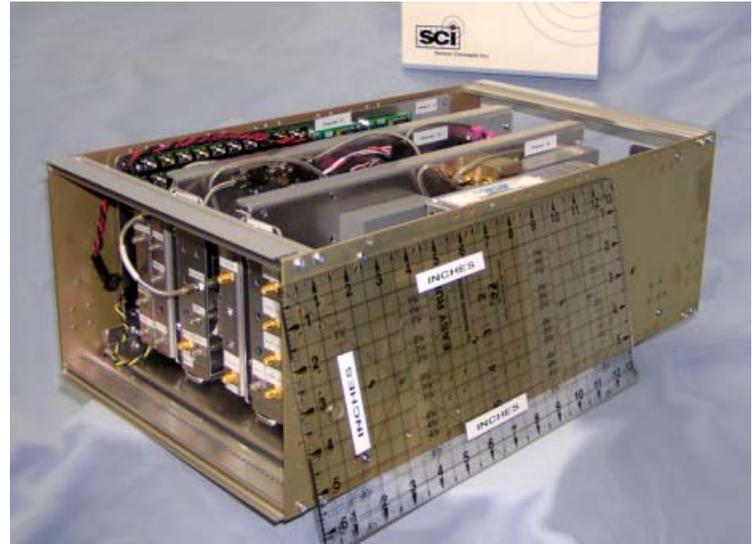
SCI E-series Radar Small UAV Variant (SCI-SUAV)



Date Revised: 30 JAN 04

VENDOR DESCRIPTION

The SCI-SUAV radar is tailored after the SCI-TUAV, which is a 4-band airborne radar system. The Small UAV radar is a single-band radar that is being developed to meet small UAV RSTA and forward deployed combat unit applications. An emphasis in small size, **HIGH** performance and **LOW COST** are key drivers in the design process. Advanced signal processing algorithms are intended to provide a selectable download mode so as to give the forward deployed unit minimum, but significant, target information over existing low bandwidth radios.



Product Manager Robotic & Unmanned Sensors

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@IEWS.monmouth.army.mil



Business Category: Small Business

SARMTI

Hardware		
RF Frequency: Single Band - X or Ku-Band	Operating Altitude: Up to 10,000 ft AGL	MTBF: TBD
Power: <1 Watt	Operating Speed: 35 knots to 130 knots	MTTR: TBD
Weight: <12 lbs excl. antenna	Interface: Configured to Application	Cooling: Ambient air
Dimensions: Est. 180mm x 180mm x 670mm	Bandwidth: Up to 3 GHz	Processor On-board Platform: 12 GFLOPS
Internal Volume: 0.5 ft ³ excl. antenna		

System Capability

Waveforms: Stretch and Direct Receive

Chirp Rep. Rate: >5 KHz

Selectable Resolution (SAR/GMTI)

Flexible Swath Size