

NSP-8



MULTI-MODE, MULTI-DOMAIN SAR/MTI RADAR

Gather actionable intelligence using a high performance, airborne radar in all weather, day or night, for ground and maritime environments.

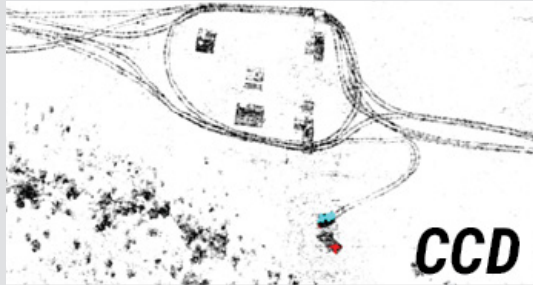
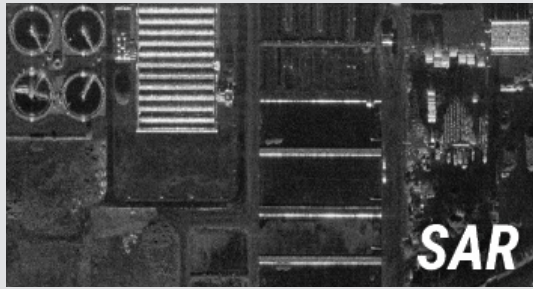


NSP-8

Designed to fly on Group 4-5 UAS platforms and crewed aircraft.



CAPABILITIES



SYSTEM SPECIFICATIONS

	NSP-8
SIZE (STANDARD STRONGBACK CONFIGURATION)	DIAMETER: 5.4 IN (13.7 CM) LENGTH: 58.8 IN (149.4) HEIGHT: 6.8 IN (17.3 CM)
WEIGHT (STANDARD STRONGBACK CONFIGURATION)	25.8 LBS (11.7 KG)
TRL	8
POWER	400 W CONFIGURABLE, 28 VDC
FREQUENCY	KU
TARGET PLATFORMS	GROUP 4-5 UAS, CREWED AIRCRAFT
ENVIRONMENTAL	MIL-STD-810G: OPERATIONAL AND STORAGE TEMPERATURE, RAIN, SALT SPRAY, HUMIDITY, TEMPERATURE SHOCK, OPERATIONAL VIBRATION, SHOCK LOAD
RECOMMENDED MAINTENANCE INTERVAL	~2,000 HRS
SENSOR CUEING	CURSOR ON TARGET
COMMUNICATION	ETHERNET
SERVER	AIRBORNE OR GROUND PROCESSING SERVER REQUIRED (SIZE AND WEIGHT NOT INCLUDED IN SPECIFICATIONS ABOVE)
COMMAND & CONTROL	LISA 3D™ AND RADAR CONTROL API
IMAGE EXPLOITATION	LISA 3D™ OR EXISTING PED EQUIPMENT
STANDARD DATA PRODUCTS	KML, COMPLEX NITF, JPG, PNG, BMP, STANAG 4607, STANAG 4676

PERFORMANCE DATA

	NSP-8		
SAR IMAGING	RESOLUTION	0.3 M	1 M
	MAX RANGE	52 KM	72 KM
MOVING TARGET INDICATOR VEHICLE	DETECTION AND TRACKING (GMTI)	39 KM	
MARITIME SURVEILLANCE	DETECTION AND GEOLOCATION (SAR)	225 NM (415 KM)	
	DETECTION AND TRACKING (MMTI)	159 NM (295 KM)	
	CLASSIFICATION (ISAR)	130 NM (240 KM)	
	MMTI MAX COVERAGE AT 150 KTAS	23,000 SQ NM/HR	

CAPABILITY VARIANTS

	NSP-8
CHANGE DETECTION	NON -COHERENT (MCD) COHERENT (CCD)
RESOLUTION (METERS)	0.1, 0.3, 0.5, 1, 2, 5, 10
IMAGING	SAR
OPERATING MODES	STRIPMAP, SPOTLIGHT, WIDE AREA
MARITIME SURVEILLANCE	TRACKING, ISAR, SECTOR SCAN
MOVING TARGET INDICATOR	VEHICLE & DISMOUNT TRACKING

APPLICATIONS

- Specialized ISR Missions
- Counter-Narcotics
- Search & Rescue
- Wildland Fire Monitoring
- Pipeline Monitoring
- Illegal Migrant Operations
- Coastal Mapping
- Sea Ice Detection & Monitoring
- And More!
- Railroad Monitoring



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