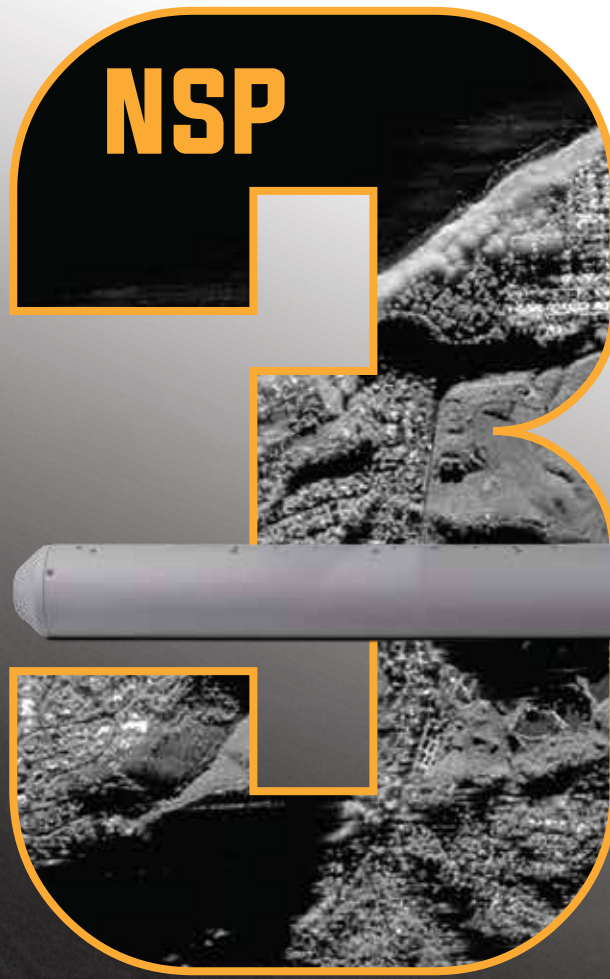
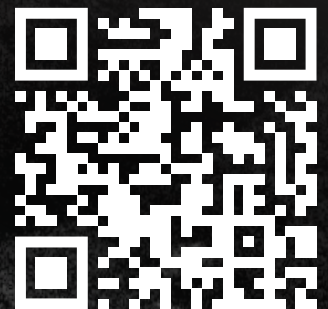


MULTI-MODE, MULTI-DOMAIN SAR/MTI RADAR

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

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NSP-3

Designed to fly on Group 2-3
UAS platforms and crewed aircraft.
Custom installations available.

PERFORMANCE DATA

SAR IMAGING	Resolution Max Range	0.1 m 3 km	1 m 13 km
MOVING TARGET INDICATOR (VEHICLE)	Detection & Tracking (GMTI)		6.5 km
MARITIME SURVEILLANCE	Detection & Geolocation (SAR)		77 nmi (143 km)
	Detection & Tracking (MMTI)		42 nmi (78 km)
	Classification (ISAR) At 50 KTAS		2,050 nmi ² /hr (7,030 km ² /hr)

CAPABILITIES

IMAGING	<74 W, 28 VDC
OPERATING MODES	Ku
CHANGE DETECTION	Non-Coherent (MCD) Coherent (CCD)
MOVING TARGET INDICATOR	Vehicle & Dismount Tracking
MARITIME SURVEILLANCE	Tracking, ISAR, Sector Scan
RESOLUTION	0.1, 0.3, 0.5, 1, 2, 5, 10



APPLICATIONS

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

SYSTEM SPECIFICATIONS

SIZE (MODSAR configuration)	ModSAR radar Electronics assembly: 2U Mod payload Length: 6.6 in (16.8 cm) Width: 4.3 in (10.9 cm) Height: 3.1 in (7.7 cm)	Antenna pod: Diameter: 3.75 in (9.5 cm) Length: 26.5 in (67.3 cm)
WEIGHT (MODSAR CONFIGURATION)	5.9 lb. (2.7 kg) (With a 30 in cable set)	
POWER	<74 W, 28 VDC	
FREQUENCY	Ku	
TARGET PLATFORMS	Group 2-3 UAS	
RECOMMENDED MAINTENANCE INTERVAL	~1,250 hrs	
SENSOR CUEING	Cursor on Target	
COMMUNICATION	Ethernet	
SERVER	Ground processing server required (Size & 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	
TRL	9	



SAR

GMTI

MMTI

CCD

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