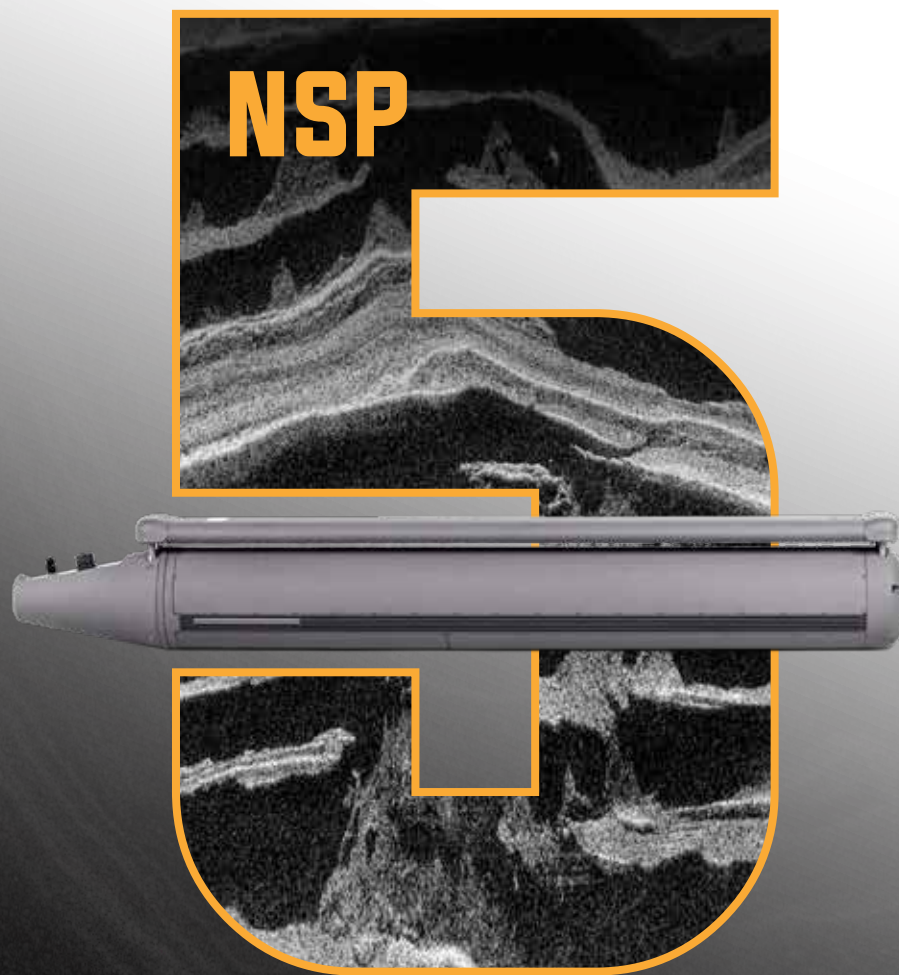
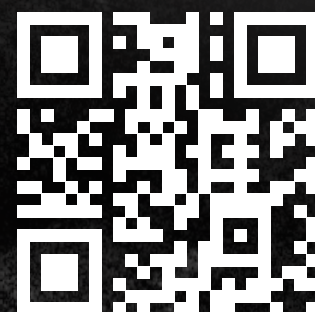




MULTI-MODE, MULTI-DOMAIN SAR/MTI RADAR

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-5

Designed to fly on Group 2-3 uncrewed airborne platforms and manned aircraft. Custom installations available.

PERFORMANCE DATA

SAR IMAGING	Resolution	0.1 M	1M
	Max Range	3 KM	13 KM
MOVING TARGET INDICATOR (VEHICLE)	Detection & Tracking (GMTI)		6.5 KM
MARITIME SURVEILLANCE	Detection & Geolocation (SAR)		77 NM (143 KM)
	Detection & Tracking (MMTI)		42 NM (78 KM)
	Classification (ISAR) At 50 KTAS		2,050 NM 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 lbs (2.7 kg) (With a 30" 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	



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