



## **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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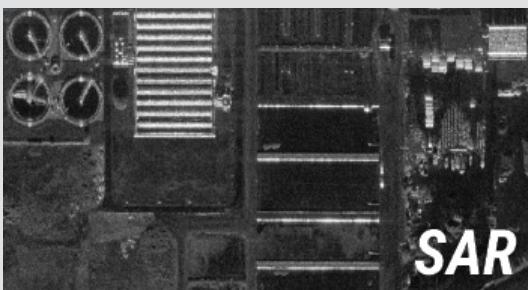
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# NSP-3

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



## CAPABILITIES



## SYSTEM SPECIFICATIONS

SIZE (MODSAR CONFIGURATION)	<b>MODSAR RADAR ELECTRONICS ASSEMBLY:</b> <b>2U MOD PAYLOAD</b> <b>LENGTH: 6.6 IN (16.8 CM)</b> <b>WIDTH: 4.3 IN (10.9 CM)</b> <b>HEIGHT: 3.1 IN (7.7 CM)</b>	<b>ANTENNA POD:</b> <b>DIAMETER: 3.75 IN (9.5 CM)</b> <b>LENGTH: 26.5 IN (67.3 CM)</b>
WEIGHT (MODSAR CONFIGURATION)	<b>5.9 LBS (2.7 KG)</b>	
POWER	<b>&lt;74 W, 28 VDC</b>	
FREQUENCY	<b>KU</b>	
TARGET PLATFORMS	<b>GROUP 2-3 UAS</b>	
RECOMMENDED MAINTENANCE INTERVAL	<b>~1,250 HRS</b>	
SENSOR CUEING	<b>CURSOR ON TARGET</b>	
COMMUNICATION	<b>ETHERNET</b>	
SERVER	<b>GROUND PROCESSING SERVER REQUIRED (SIZE AND WEIGHT NOT INCLUDED IN SPECIFICATIONS ABOVE)</b>	
COMMAND & CONTROL	<b>LISA 3D™ AND RADAR CONTROL API</b>	
IMAGE EXPLOITATION	<b>LISA 3D™ OR EXISTING PED EQUIPMENT</b>	
STANDARD DATA PRODUCTS	<b>KML, COMPLEX NITF, JPG, PNG, BMP, STANAG 4607, STANAG 4676</b>	
TRL	<b>9</b>	

## PERFORMANCE DATA

SAR IMAGING	RESOLUTION	<b>0.1 M</b>	<b>1 M</b>
	MAX RANGE	<b>3 KM</b>	<b>13 KM</b>
MOVING TARGET INDICATOR VEHICLE	<b>DETECTION AND TRACKING (GMTI)</b>		<b>6.5 KM</b>
MARITIME SURVEILLANCE	DETECTION AND GEOLOCATION (SAR)	<b>77 NM (143 KM)</b>	
	DETECTION AND TRACKING (MMTI)	<b>42 NM (78 KM)</b>	
	CLASSIFICATION (ISAR)	<b>37 NM (69 KM)</b>	
	MMTI MAX COVERAGE AT 50 KTAS	<b>2,050 NM²/H (7,030 KM²/H)</b>	

## CAPABILITIES

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

## APPLICATIONS

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



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