







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.



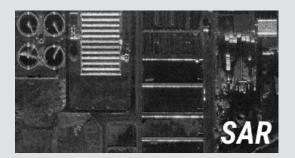
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Designed to fly on Group 1-2 uncrewed airborne platforms. Custom installations available.



CAPABILITIES









SYSTEM SPECIFICATIONS

SIZE	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 ASSEMBLY: LENGTH: 11.75 IN (29.85 CM) WIDTH: 2.75 IN (6.99 CM) HEIGHT: 1.75 IN (4.45 CM)	
WEIGHT	<4.65 LBS (2.1 KG) (MAY CHANGE BASED ON CONFIGURATION)		
POWER	<56 W, 28 VDC		
FREQUENCY	КИ		
TARGET PLATFORMS	GROUP 1-2 UAS		
RECOMMENDED MAINTENANCE INTERVAL	TBD		
SENSOR CUEING	CURSOR ON TARGET		
COMMUNICATION	ETHERNET		
SERVER	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		
TRL	7		

PERFORMANCE DATA

SAR IMAGING	RESOLUTION	0.3 M	1 M
	MAX RANGE	3.9 KM	5.8 KM
MOVING TARGET INDICATOR VEHICLE	DETECTION AND TRACKING (GMTI)		3 KM
MARITIME SURVEILLANCE	DETECTION AND GEO	LOCATION (SAR)	60 NM (111 KM)
	DETECTION AND TRACKING (MMTI)		19 NM (35 KM)
	CLASSIFICATION (ISA	R)	11 NM (20 KM)
	MMTI MAX COVERAGE AT 30 KTAS		600 NM ² /HR (2,050 KM ² /HR)

CAPABILITY VARIANTS

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

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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