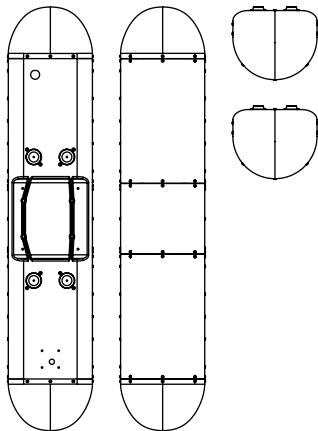
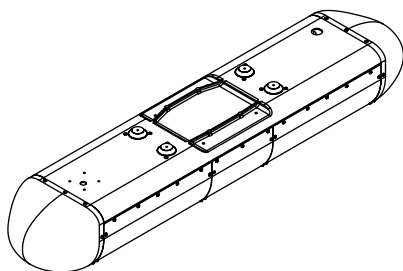




NSP-8D[®]

IMSAR'S NSP-8D CONFIGURATION CAN BE QUICKLY INTEGRATED TO PROVIDE HIGH PERFORMANCE TO MANNED AND UNMANNED PLATFORMS.



SIMPLIFY INTEGRATION

The NSP-8D configuration of the NanoSAR provides multiple capabilities and high performance in an aerodynamic and durable casing. The NSP-8D configuration includes the NanoSAR radar processing unit, the Inertial Navigation System (INS), and mechanically gimballed antennas. The complete system in a single configuration allows for simple mounting under the wing of a manned or unmanned aircraft.

INCREASE CAPABILITIES

The NSP-8D configuration can be used to perform SAR imaging, including strip-map, spotlight, and circular, and Coherent Change Detection (CCD). The configuration can include a High-resolution Ku-band NanoSAR or an Ultra-Wide Band NanoSAR with greater penetration capabilities.

MINIMIZE EFFECT ON PLATFORM

The low weight and sleek design of the NSP-8D configuration allows for mounting under the wing of a manned or unmanned aircraft. The NSP-8D can increase a platform's capabilities with little impact to manned platform performance.

INCREASE SENSOR VERSATILITY

Because the NSP-8D is all inclusive and easy to install, the entire system can be quickly added or removed from a manned or unmanned aircraft. This feature allows users to easily swap sensors on a single platform or to use the same sensor on multiple platforms.



SYSTEM SWAP

POD DIMENSIONS	8.25 IN DIAMETER X 41.125 IN
POD DIMENSIONS (METRIC)	21 CM DIAMETER X 104 CM
WEIGHT	18 LBS
WEIGHT (METRIC)	8.2 KG
SAR POWER	45 W

KEY SPECIFICATIONS

RANGE RESOLUTION	VERY FINE, 0.3, 0.5, 1, 2, 5, 10 M
SAR IMAGING RANGE	14 KM (AT 1 M RESOLUTION)
SWATH	4 KM (AT 1 M RESOLUTION)
SENSOR CUING	CURSOR ON TARGET
FREQUENCY	KU (AVAILABLE: UHF, VHF, L)

SYSTEM OPERATIONS

COMMAND & CONTROL	LISA 3D & LISA DASHBOARD
COMMUNICATION	SERIAL, ETHERNET
IMAGE PRODUCTS	KML, COMPLEX NITF, JPG, PNG, BMP

IMAGE PROCESSING & EXPLOITATION

LISA IMAGE™	REAL-TIME IMAGE PROCESSING
LISA CHANGE™	CHANGE DETECTION
LISA 3D™	IMAGE EXPLOITATION, CONTROL, & FLIGHT PLANNING

CAPABILITIES

SAR	CCD/MCD
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