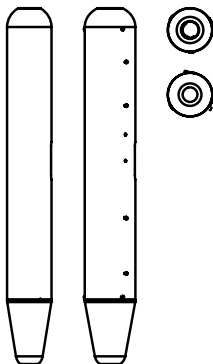
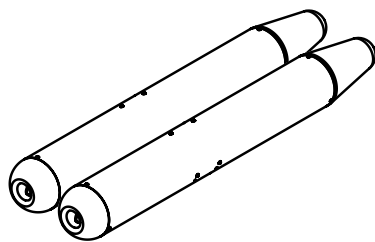




NSP-3[®]

IMSAR'S NSP-3 CONFIGURATION SIMPLIFIES THE INTEGRATION REQUIRED TO PROVIDE MULTIPLE CAPABILITIES TO MANNED OR UNMANNED PLATFORMS.



SIMPLIFY INTEGRATION

The NSP-3 configuration of the NanoSAR provides multiple capabilities in two small, aerodynamic pods with virtually equal weight to maintain aircraft balance. One pod includes the NanoSAR radar processing GPS units while the other pod includes the Inertial Measurement Unit (IMU), Electronically Scanned Array (ESA) antennas, and elevation gimbaling. The two-pod system can be mounted under the wing or in the fuselage of unmanned aircraft, or a single antenna pod can accompany a custom integration of the radar hardware.

INCREASE CAPABILITIES

The NSP-3 configuration includes a Ku-band NanoSAR system that can be used to perform SAR imaging, Coherent Change Detection (CCD), Moving Target Indication (MTI), and maritime search and detection. The configuration is small enough to increase the capabilities of small unmanned systems. The NSP-3 allows small unmanned systems to have capabilities that were previously only available on larger unmanned systems or manned platforms.

MINIMIZE EFFECT ON PLATFORM

The low weight and sleek design of the NSP-3 configuration allows for mounting under the wing or within the fuselage of an unmanned aircraft. When platform performance matters, the NSP-3 delivers advanced capabilities with minimal impact unmanned aircraft endurance.

INCREASE SENSOR VERSATILITY

Because the NSP-3 is compact and easy to install, the entire system can be quickly added or removed from an 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

<i>POD DIMENSIONS</i>	2 PODS: 3.75 IN X 30.5 IN EA
<i>POD DIMENSIONS (METRIC)</i>	2 PODS: 9.5 CM X 77.5 CM EA
<i>WEIGHT</i>	7.4 LBS
<i>WEIGHT (METRIC)</i>	3.4 KG
<i>SAR POWER</i>	65 W
<i>GMTI POWER</i>	85 W

KEY SPECIFICATIONS

<i>RANGE RESOLUTION</i>	VERY FINE, 0.3, 0.5, 1, 2, 5, 10 M
<i>MARITIME DETECTION RANGE</i>	12.5 KM
<i>GMTI DETECTION RANGE</i>	6+ KM
<i>SAR IMAGING RANGE</i>	10 KM (AT 1 M RESOLUTION)
<i>SWATH</i>	4 KM (AT 1 M RESOLUTION)
<i>SENSOR CUING</i>	CURSOR ON TARGET
<i>FREQUENCY</i>	KU (AVAILABLE: X)

SYSTEM OPERATIONS

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

IMAGE PROCESSING & EXPLOITATION

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

CAPABILITIES

SAR	CCD/MCD	MTI	MARITIME
-----	---------	-----	----------



P. 801.798.8440
F. 801.798.2814

E. SALES@IMSAR.COM
W. WWW.IMSAR.COM

A. 940 S. 2000 W. #140
SPRINGVILLE, UT 84663

© 2015 IMSAR LLC. NanoSAR®, NSP-3™, NSP-5™, NSP-UWB™, NSP-EOIR™, NSP-8D™, Lisa GS™, Lisa 3D™, Lisa Dashboard™, Lisa Imager™, Lisa Guidance™, Lisa Change™, Lisa Elevation™, Viper™, Falcon™, NSP-5™, NSP-8™, IMSAR®, The Radar Revolution® and all associated logos are trademarks of IMSAR® LLC. All other product or brand names as they appear are trademarks or registered trademarks of their respective holders. The Company shall not be liable for any errors contained herein or for any damages arising out of or related to this document or the information contained therein, even if the Company has been advised of the possibility of such damages. This document is intended for informational and instructional purposes only. The Company reserves the right to make changes in the specifications and other information contained in this document without prior notification.