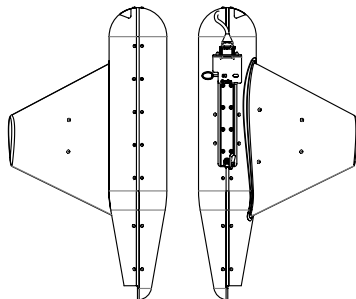
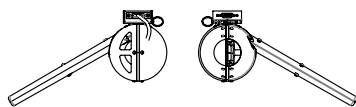
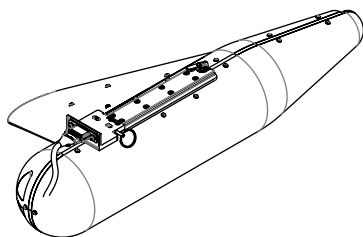




# NSP-5 UWB™

**IMSAR'S NSP-5 UWB CONFIGURATION SIMPLIFIES THE INTEGRATION REQUIRED TO PROVIDE MULTIPLE CAPABILITIES TO MANNED OR UNMANNED PLATFORMS.**



## **SIMPLIFY INTEGRATION**

The UWB configuration of the NSP-5 is designed for versatile integration either as a standalone sensor payload or as complement to existing payloads. With only three inputs – power, ethernet, and gps – the NSP-5 UWB is quickly and easily affixed to an aircraft's wing or fuselage.

## **INCREASE CAPABILITIES**

The NSP-5 UWB pod houses an enclosed log periodic antenna and transmits in the UHF, VHF, and L-band frequencies. Adding the NSP-5 UWB to any aircraft provides high resolution SAR imagery, foliage penetration (FOPEN), ground penetration (GPEN), and magnitude change detection (MCD).

## **BIG PERFORMANCE ON SMALL PLATFORMS**

With the lowest size, weight, and power (SWaP) of any UWB system available, the NSP-5 generates detailed, real time images and detections. The NSP-5 UWB provides to smaller platforms advanced capabilities that have not been previously available. Successful integrations include the Shadow, Integrator, Puma and Cessna Skyhawk.

## **PART OF THE FAMILY**

As part of the NSP-5 line of products, the NSP-5 UWB shares the same mounting apparatus as other NSP-5 products. This means that depending on the mission parameters and the available resources, any of the NSP-5 family can be easily substituted for another on the same aircraft. Alternatively, the shared integrations of the NSP-5 family makes it quick and easy to move a single NSP-5 product across multiple aircraft. The NSP-5 family allows the user to do much more with less.



## SYSTEM SWAP

<b>POD DIMENSIONS</b>	<b>5.25 IN DIAMETER X 26.6 IN</b>
<b>POD DIMENSIONS (METRIC)</b>	<b>13.3 CM DIAMETER X 67.6 CM</b>
<b>WEIGHT</b>	<b>6 LBS</b>
<b>WEIGHT (METRIC)</b>	<b>3.1 KG</b>
<b>SAR POWER</b>	<b>35 - 85 W</b>

## KEY SPECIFICATIONS

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

## SYSTEM OPERATIONS

<b>COMMAND &amp; CONTROL</b>	<b>LISA 3D &amp; LISA DASHBOARD</b>
<b>COMMUNICATION</b>	<b>SERIAL, ETHERNET</b>
<b>IMAGE PRODUCTS*</b>	<b>COMPLEX NITF, TIFF, JPG, PNG, BMP, KML</b>

## IMAGE PROCESSING & EXPLOITATION

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

## CAPABILITIES

<b>SAR</b>	<b>CCD/MCD</b>	<b>MTI</b>	<b>MARITIME</b>
------------	----------------	------------	-----------------



**P.** 801.798.8440    **E.** SALES@IMSAR.COM    **A.** 940 S. 2000 W. #140  
**F.** 801.798.2814    **W.** WWW.IMSAR.COM    **SPRINGVILLE, UT 84663**

\*STANAG Compliant

© 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.