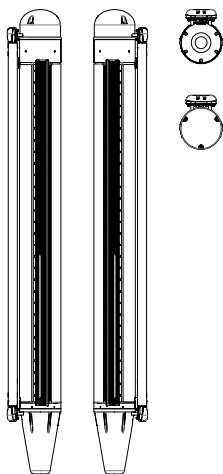
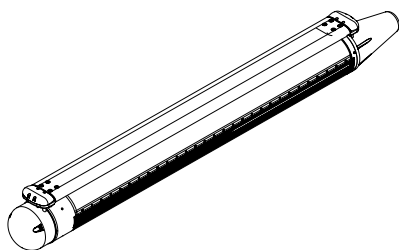




NSP-5 ER™

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



SIMPLIFY INTEGRATION

The NSP-5 ER is designed for versatile integration either as a standalone sensor payload or as complement to existing payloads. With no more than three inputs – power, ethernet, and gps – the NSP-5 ER is quickly and easily affixed to an aircraft's wing or fuselage, with no additional radome needed.

INCREASE CAPABILITIES

The NSP-5 ER pod houses an enclosed electronically steered array (ESA) antenna and includes a Ku-band NanoSAR system. Adding the NSP-5 ER to any aircraft provides high resolution SAR imagery, coherent change detection (CCD), ground moving target indicator (GMTI), and maritime search and detection.

BIG PERFORMANCE, LOW SWAP

With the lowest size, weight, and power (SWaP) of any SAR system in its class, the NSP-5 ER generates detailed, real time images and detections. The NSP-5 ER provides advanced capabilities that have not been previously available to small platforms. The NSP-5 ER is specifically designed for manned and unmanned ISR aircraft.

NOW WITH EXTENDED RANGE

What really sets the NSP-5 Er apart is the balance between low SWaP, advanced capabilities, and long range versatility. The NSP-5 ER has the multi-mode intelligence of the NSP-5 Ku, yet it is able to operate at much greater stand-off ranges and on faster aircraft, manned and unmanned. Furthermore, there is no minimum range. The NSP-5 ER is the perfect compliment to any other ISR system and can be operated simultaneously for optimal situational awareness.



SYSTEM SWAP

POD DIMENSIONS (STRONGBACK)	5.5 IN DIAMETER X 57 IN X 8.5 IN
POD DIMENSIONS (METRIC)	13.97 CM DIAMETER X 144.78 CM X 21.59 CM
POD DIMENSIONS (BULKHEAD)	5.5 IN DIAMETER X 52 IN
POD DIMENSIONS (METRIC)	13.97 CM DIAMETER X 132.08 CM
WEIGHT	24 LBS
WEIGHT (METRIC)	10.9 KG
SAR & GMTI POWER	<275 W

KEY SPECIFICATIONS

RANGE RESOLUTION	VERY FINE, 0.3, 0.5, 1, 2, 5, 10 M
MARITIME DETECTION RANGE	32 KM
GMTI DETECTION RANGE	20 KM
SAR IMAGING RANGE	30 KM (AT 1 M RESOLUTION)
SENSOR CUING	CURSOR ON TARGET
FREQUENCY	KU (AVAILABLE: X)
STRIPMAP	18,000 FT AGL
SPOTLIGHT	23,000 FT AGL

SYSTEM OPERATIONS

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

IMAGE PROCESSING & EXPLOITATION

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

CAPABILITIES

SAR	CCD/MCD	MTI	MARITIME
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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 4676, 4607

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