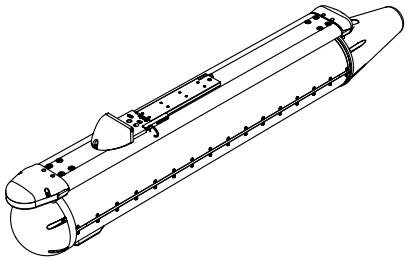
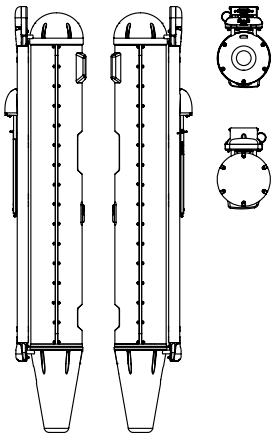
IMSAR
THE RADAR REVOLUTION

NSP-5 EO/IR™

IMSAR'S NSP-5 EO/IR IS A HIGH ALTITUDE ELECTRO-OPTICAL INFRARED SENSOR CAPABLE OF INTEGRATING WITH LOW SWAP PAYLOADS.





HIGH RESOLUTION OPTICAL

The EO/IR configuration of the NSP-5 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 EO/IR is quickly and easily affixed to an aircraft's wing or fuselage.

INCREASE YOUR RESOLUTION

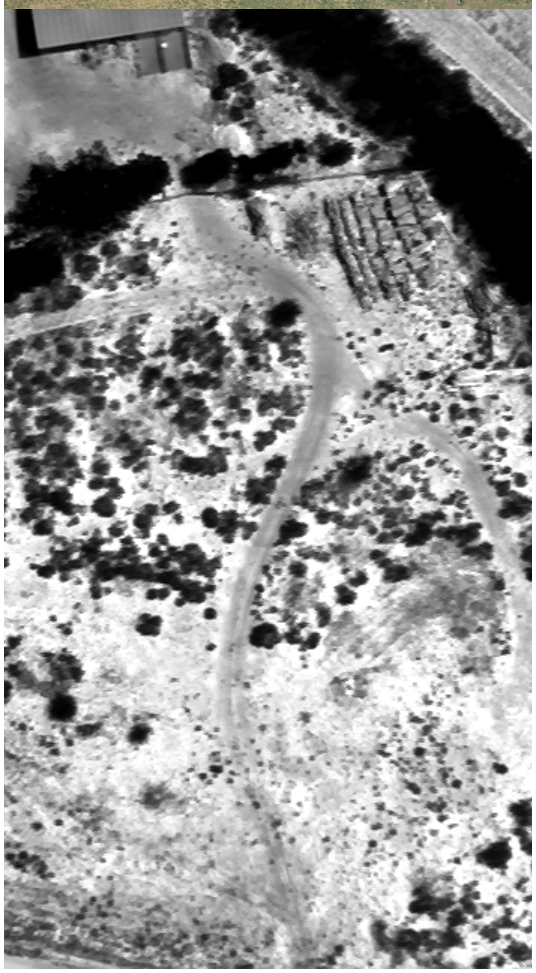
The NSP-5 EO/IR pod houses an 18 mega pixel camera capable of extremely high-resolution stills from distances of up to 3 kilometers. The incorporated mid-wave infrared (MWIR) sensor provides a high-resolution thermal (TIR) sensitive complement to the sensor package.

MADE FOR MAPPING

The NSP-5 EO/IR can be configured in a mapping mode, creating still imagery that can be orthorectified and stitched to provide updated maps. Additionally, the NSP-5 EO/IR can rotate from horizon to horizon in order to provide off-nadir still imagery.

PART OF THE FAMILY

As part of the NSP-5 line of products, the NSP-5 EO/IR 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

POD DIMENSIONS	5.48 IN DIAMETER X 43.223 IN
POD DIMENSIONS (METRIC)	13.91 CM DIAMETER X 109.78 CM
WEIGHT	18.3 LBS
WEIGHT (METRIC)	8.3 KG
POWER	24 W
SUPPLY VOLTAGE	24 -28 V

ELECTRO-OPTICAL (EO) SPECIFICATIONS

STANDOFF RANGE	1 - 3 KM
SENSOR RESOLUTION	18 MP (5288 X 3506 PX)
GROUND SAMPLING (GSD)	---
FIELD OF VIEW (FOV)	4.26° X 6.38°

INFRARED (IR) SPECIFICATIONS

STANDOFF RANGE	1 - 3 KM
SENSOR RESOLUTION	0.3 MP (640 X 480 PX)
GROUND SAMPLING (GSD)	---
FIELD OF VIEW (FOV)	4.4° X 3.3°

MODES

OPERATING MODE	MANUAL, AUTO, AUTO ON TARGET
COMMAND & CONTROL	LISA 3D
COMMUNICATION	ETHERNET
IMAGE PRODUCTS	COMLPLEX NITF, TIFF, JPEG, PNG

IMAGE PROCESSING & EXPLOITATION

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

CAPABILITIES

ELECTRO-OPTICAL	INFRARED

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