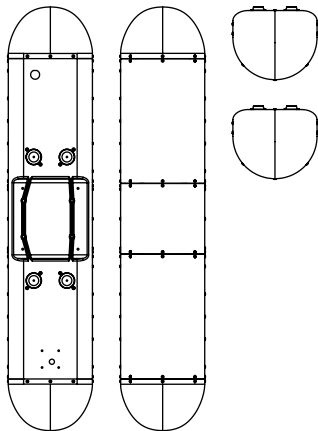
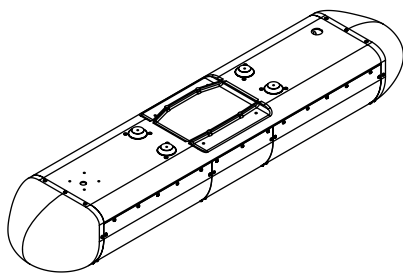




ONESAR™

IMSAR'S ONESAR RADAR CONFIGURATION SIMPLIFIES THE INTEGRATION REQUIRED TO PROVIDE MULTIPLE CAPABILITIES TO MANNED OR UNMANNED PLATFORMS.



BIG PERFORMANCE ON SMALL PLATFORMS

With the lowest size, weight, and power (SWaP) of any SAR system available, the ONESAR generates detailed, real time images and detections. The ONESAR provides smaller platforms advanced capabilities that have not been previously available to those platforms. Successful integrations include the Quadcopter, Puma, and Cessna 172.

WORLD CLASS NANOSAR® C

IMSAR's NanoSAR C generates detailed real-time aerial radar images from a payload small and light enough to be mounted on a Tier I or II UAV. The NanoSAR C is the world's smallest SAR, weighing only 1 lb (.45 kg). The entire assembly, including the NanoSAR C, antenna, and INS only weighs 6 lbs (2.7 kg) with a consumption of 46 W. NanoSAR C provides a cost-effective plug-and-play radar imaging solution.

INCREASE CAPABILITIES

The ONESAR houses a gimballed antenna and includes a Ku-band NanoSAR system. Adding the ONESAR to any aircraft provides high resolution SAR imagery and coherent change detection (CCD).



SYSTEM SWAP

DIMENSIONS	8.25 IN DIAMETER X 41.125 IN
DIMENSIONS (METRIC)	21 CM DIAMETER X 104 CM
WEIGHT	18 LBS
WEIGHT (METRIC)	8.2 KG
POWER	56 W

KEY SPECIFICATIONS

RANGE RESOLUTION	0.3, 0.5, 1, 2, 5, 10 M
IMAGING ALTITUDE	3000 FT (AT .3 M RESOLUTION)
SENSOR CUING	CURSOR ON TARGET
FREQUENCY	KU (AVAILABLE: X)

SYSTEM OPERATIONS

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

IMAGE PROCESSING & EXPLOITATION

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

CAPABILITIES

SAR	CCD (AVAILABLE)
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*STANAG Compliant

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