

ONESAR TECHNICAL SPECIFICATIONS

OVERVIEW

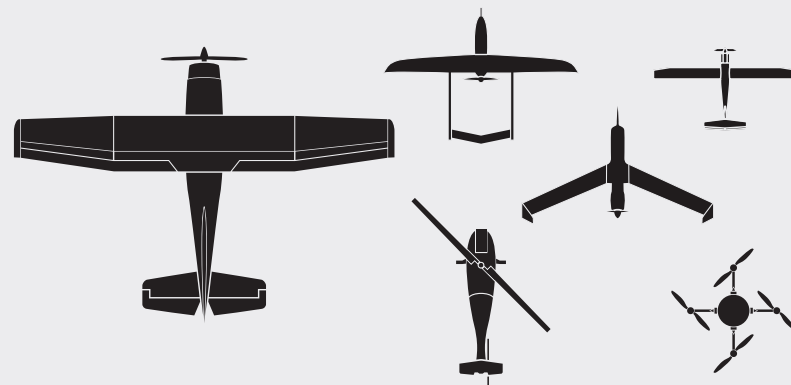
IMSAR's ONESAR is a single-channel Ku-band (or X-band) radar system with a mechanical gimbal and lightweight Inertial Measurement Unit (IMU) in an extremely low-Size, Weight, and Power (SWaP) design. With its extremely low SWaP, the ONESAR is an ideal radar system for very small platforms and for research applications.

SYSTEM SPECIFICATIONS

SIZE	WIDTH: 7.2 IN (18.29 CM) LENGTH: 9.02 IN (22.91 CM) HEIGHT: 10.1 (25.65 CM)
WEIGHT	6 LBS (2.7 KG)
POWER	46 W
FREQUENCY	KU (AVAILABLE: X)
OPERATING ALTITUDE	UP TO 1,500 FT AGL
SENSOR CUING	CURSOR ON TARGET
COMMUNICATION	SERIAL, ETHERNET
COMMAND & CONTROL	LISA 3D™, LISA DASHBOARD™
STANDARD DATA PRODUCTS	KML, COMPLEX NITF, TIFF, JPG, PNG, BMP
CAPABILITIES	SAR, CCD (AVAILABLE), MCD (AVAILABLE)
RESOLUTION (METERS)	0.1 (AVAILABLE), 0.3, 0.5, 1, 2, 5, 10

INTEGRATIONS

The ONESAR components can be configured to fit on virtually any aerial platform, from small multirotor or fixed-wing drones all the way up to light-sport aircraft and helicopters.



EXTREMELY LOW-SWAP SAR/CCD/MCD RADAR

Collect intelligence in all weather, day or night, from manned and unmanned platforms.