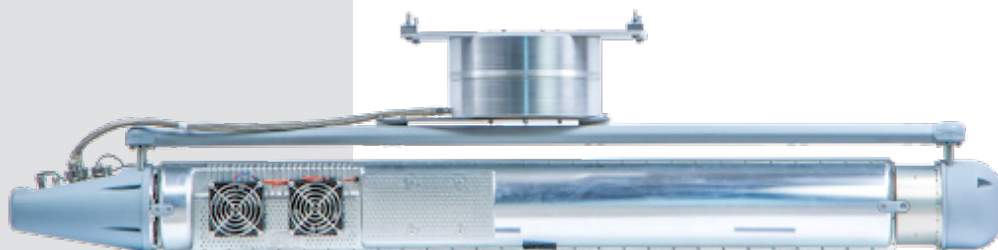


# ***NSP-7 AEROSTAT***



## ***MULTI-MODE, MULTI-DOMAIN MTI RADAR***

Gather actionable intelligence using a high performance, airborne radar in all weather, day or night, for ground and maritime environments.

***WWW.IMSAR.COM***



IDS.NSP7Aerostat.20240819

# NSP-7 Aerostat

Designed to fly on static-mount and Aerostat platforms



## CAPABILITIES



## SYSTEM SPECIFICATIONS

SIZE	<b>WIDTH: 23.1 IN (58.7 CM)</b> <b>LENGTH: 60.3 IN (153.2 CM)</b> <b>HEIGHT: 12.9 IN (32.8 CM)</b>
WEIGHT	<b>23.8 LBS / 10.8 KG</b> <b>34.7 LBS / 15.7 KG (WITH POSITIONER)</b>
POWER	<b>310 W POWER DRAW</b>
FREQUENCY	<b>KU</b>
TARGET PLATFORMS	<b>Static-mount and Aerostat platforms</b>
ENVIRONMENTAL	<b>MIL-STD-810G: OPERATIONAL AND STORAGE TEMPERATURE, RAIN, SALT SPRAY, HUMIDITY, TEMPERATURE SHOCK, OPERATIONAL VIBRATION, SHOCK LOAD</b>
RECOMMENDED MAINTENANCE INTERVAL	<b>~ 2,000 HRS</b>
SENSOR CUEING	<b>CURSOR ON TARGET</b>
COMMUNICATION	<b>ETHERNET</b>
SERVER	<b>AIRBORNE OR GROUND PROCESSING SERVER REQUIRED (SIZE AND WEIGHT NOT INCLUDED IN SPECIFICATIONS ABOVE)</b>
COMMAND & CONTROL	<b>LISA 3D™ AND RADAR CONTROL API</b>
IMAGE EXPLOITATION	<b>LISA 3D™ OR EXISTING PED EQUIPMENT</b>
STANDARD DATA PRODUCTS	<b>KML, COMPLEX NITF, JPG, PNG, BMP, STANAG 4607, STANAG 4676</b>
TRL	<b>8</b>

## PERFORMANCE DATA: GMTI\*

MODE/RESOLUTION	MAX RANGE
GMTI AT 3.0	27 KM
DMTI	19 KM
*PLATFORM ASSUMPTIONS: 1,500 FT AGL AT <20 KTS. MTI MINIMUM DETECTABLE VELOCITY (MDV) = 1 M/S	

## NSP-7 SYSTEM PERFORMANCE COMPARISON: MMTI

	<b>NSP-7 AEROSTAT</b>
TARGET TYPE	MAX RANGE (MAX SWATH)
SUPER TANKER	48 NMI (UP TO 45 NMI)**
SMALL TANKER	48 NMI (UP TO 45 NMI)**
YACHT	28 NMI (UP TO 25 NMI)
FISHING BOAT	17 NMI (UP TO 15 NMI)
RHIB	13 NMI (UP TO 11 NMI)
*PLATFORM ASSUMPTIONS: 1,500 FT AGL AT <20 KTS. MMTI MAX RANGES ARE FOR BOTH DETECTION AND TRACKING AND APPLY TO BOTH SECTOR SCAN AND SPOTLIGHT MODES (MAX SWATH APPLIES TO SECTOR SCAN)	
**HORIZION LIMITATION IS 48 NMI AT 1,500 FT AGL	

## APPLICATIONS

- Specialized ISR Missions
- Counter-Narcotics
- Pipeline Monitoring
- Search & Rescue
- Illegal Migrant Operations
- And More!



P. 801.798.8440  
F. 801.798.2814

E. SALES@IMSAR.COM  
W. WWW.IMSAR.COM

A. 940 S 2000 W #140  
SPRINGVILLE, UT 84663