

E-UWB



PENETRATING MULTI-INT SAR/FOPEN/GPEN RADAR

Collect intelligence on subsurface targets and targets concealed by foliage from manned and unmanned platforms in all weather, day and night.

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E-UWB TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS

SIZE	9" X 17" X 4" - RADAR ELECTRONICS 72" X 35" X 29" - ANTENNA RAIL
WEIGHT	11.6 LBS - RADAR ELECTRONICS 16.5 LBS - ANTENNA RAIL
POWER	200 W
SERVER (SIZE, WEIGHT, POWER)	2U 19" RACK MOUNT SERVER, 21" DEEP, 23 LBS, 550 W
FREQUENCY	UWB (UHF, VHF, L-BAND)
OPERATING ALTITUDE	MODE DEPENDENT UP TO 10,000 FT AGL
SENSOR CUING	CURSOR ON TARGET
COMMUNICATION	ETHERNET
COMMAND & CONTROL	LISA 3D™, LISA DASHBOARD™, AND RADAR CONTROL API
IMAGE EXPLOITATION	LISA 3D™ OR EXISTING PED EQUIPMENT
STANDARD DATA PRODUCTS	KML, COMPLEX NITF, JPG, PNG, BMP
CHANNELS	UP TO 4
MAX RANGE PIXELS	4,000

POTENTIAL APPLICATIONS

POTENTIAL APPLICATIONS	DISASTER PREPARATION	WILDLAND FIRE MONITORING
	DISASTER RESPONSE	MILITARY SURVEILLANCE
	EMERGENCY RESCUE	BORDER SECURITY
	LIVESTOCK MONITORING	COUNTER-IED
	WILDLIFE MONITORING	ROUTE CLEARANCE
	SEARCH & RESCUE OPERATIONS	COUNTER DRUG TRAFFICKING

CAPABILITY VARIANTS

	E-UWB(S)	E-UWB(X)
IMAGING	SAR	SAR
CHANGE DETECTION	NON -COHERENT (MCD)	NON -COHERENT (MCD)
	---	COHERENT(CCD)
RESOLUTION (METERS)	0.3, 0.5, 1, 2, 5, 10	0.12, 0.3, 0.5, 1, 2, 5, 10

Performance data assumptions: operating altitude 18kft, speed 150ktas

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