



PRODUCT SHEET

# ELVIRA 2D 360° UAS DETECTION

**robin**  
radar systems





## ELVIRA SPECIFICATIONS

Technology .....	FMCW
Frequency.....	X-Band, 8900 MHz (8800-9075) ..... 9250 MHz (9000-9275), ..... 9650 MHz (9525-9775)
Power Output .....	(continuous) 4 Watt
Instrumented Range.....	5 km
Main Beam Width .....	10 ° x 10 °
Azimuth Coverage.....	360 degrees
Elevation Coverage.....	10 ° (-5 ° -to + 17 °, adjustable)
Angular Accuracy' .....	1 °
Range Accuracy .....	0.6m (2 ft)
Track While Scan.....	Yes
Scan Speed .....	1.3s Update Rate
Classification Method.....	Micro-Doppler
Upmast Dimensions (DxH) .....	918mm x 1060mm ..... 36 x 41 inch
Upmast Weight (excluding foot).....	72kg (159 lb)
Power .....	100-240VAC, 50-60Hz, 70W nom, 150W max
Communication .....	Ethernet, 1000Base-T
Ambient Temperature .....	-20°C to +55°C (-4° F - 131° F)
Data Interfaces Available Include .....	Asterix, Sapiant ..... and proprietary XML-API

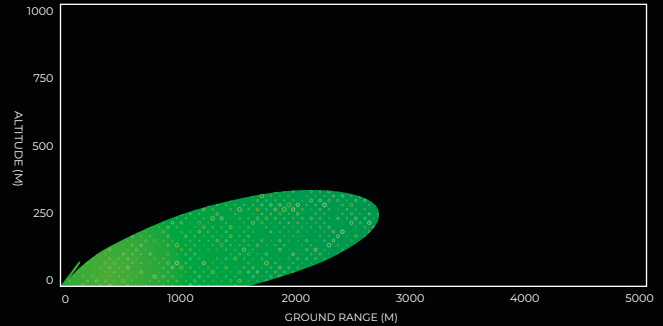
## DETECTION & CLASSIFICATION RANGES

Drone	Detect. Range*	Class. Range**
Inspire (3kg)	2.7km (1.7 mi)	1.8km (1.1 mi)
Phantom (1kg)	2.2km (1.4 mi)	1.5km (0.9 mi)

- \* These ranges are indicative of the observed ranges achievable under good sight conditions.
- \*\* These ranges are typically achieved under varying circumstances including moderate clutter.
- \*\*\* ELVIRA requires a processing station and cable to operate. Items sold separately.

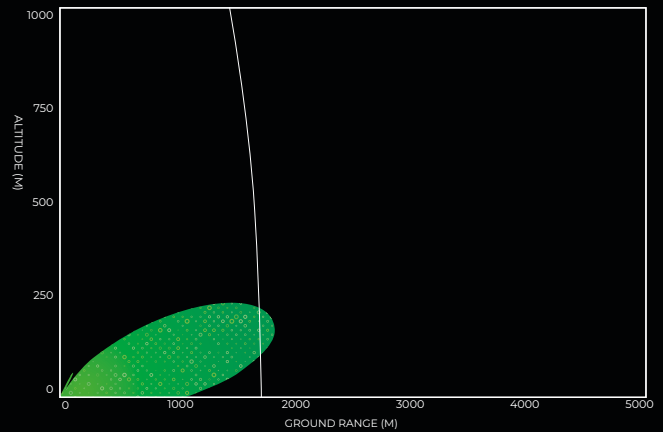
## DETECTION COVERAGE DIAGRAM

For medium target (3kg)



## CLASSIFICATION COVERAGE DIAGRAM

For medium target (3kg)



## DRONE VIEWER SOFTWARE



## TALK TO OUR EXPERTS

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