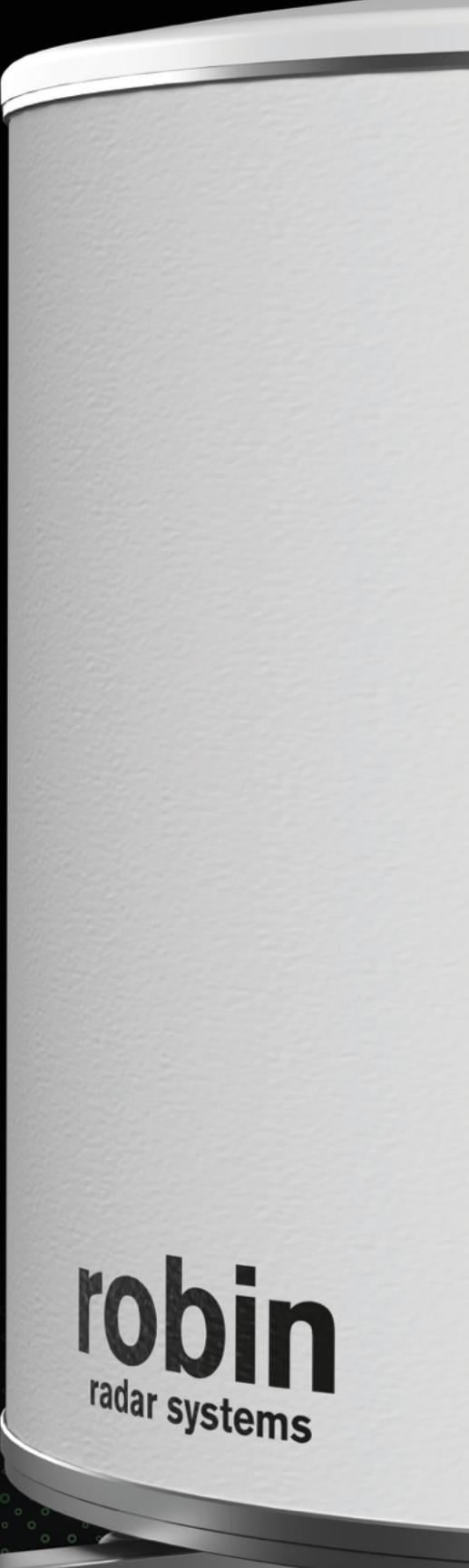




PRODUCT SHEET

ELVIRA 2D 360° UAS DETECTION



robin
radar systems



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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	$10^\circ \times 10^\circ$
Azimuth Coverage	360 degrees
Elevation Coverage	10° (-5° to $+17^\circ$, 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	Asterix, Sapient 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.

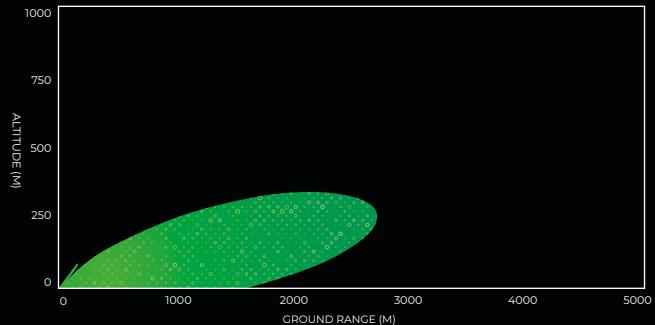
** These ranges are typically achieved under varying circumstances including moderate clutter.

*** ELVIRA requires a processing station and cable to operate.

Items sold separately.

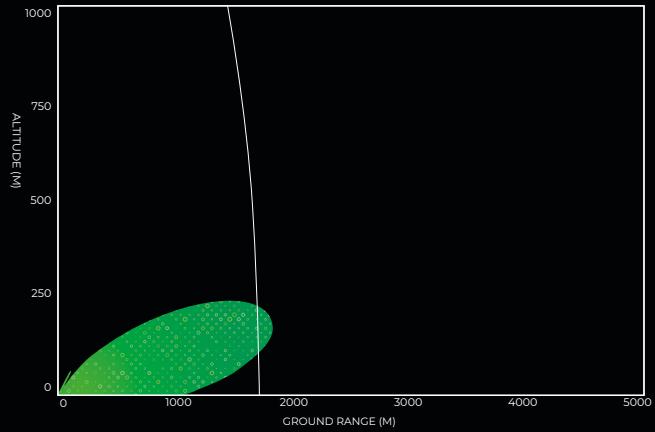
DETECTION COVERAGE DIAGRAM

For medium target (3kg)

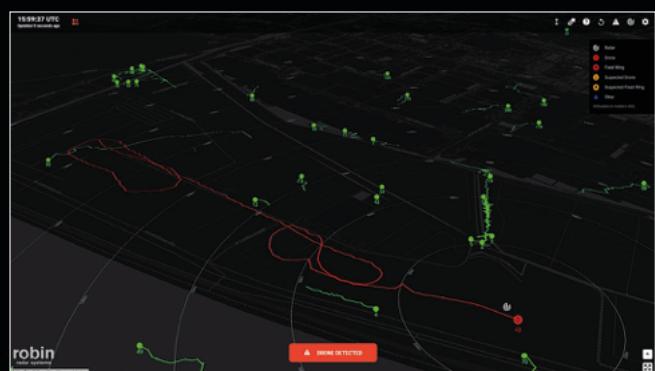


CLASSIFICATION COVERAGE DIAGRAM

For medium target (3kg)



DRONE VIEWER SOFTWARE



TALK TO OUR EXPERTS

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