

WaveDetect

High End Sigint Sensor

Ultra Low SWaP

Wide Spectrum Coverage

Cutting-Edge DSP Algorithms

Accurate Geolocation Capabilities



WaveDetect is a series of Sigint sensors, designed for detection and geolocation of various communication and RF signals in wide spectrum range.

The sigint sensors are based on high-performance hardware, advanced signal processing and geolocation algorithms that ensure optimal performance in challenging scenarios and superior dominance in the electromagnetic domain.

SENSOR PERFORMANCE

Frequency Coverage

20MHz – 26GHz (modular front end)

Instantaneous Bandwidth

4 X 400MHz (RX; TX)

Geolocation Accuracy

~1.5° Azimuth, Elevation

Various Media Support

Tactical communication devices

UAVs and drones' telemetry

GPS jammers

Cellular devices

WiFi routers

Radars

Satellite communications

PHYSICAL

Size

15cmX10cmX3cm

Weight

<500gr

Power Consumption

40W-80W

Operating Temp

-40° C to +75° C

INTERFACE

Control:

Serial: RS422, RS232, UART

1GB ethernet

USB C

Power Supply

Single Supply :12V to 24V

Internal Storage

2TB SSD

Optional I/O

Clk reference

GPS

Barometer

