ThreatBlocker
GPS Jamming and Spoofing Data, Detection, and Protection

The Problem

• The world has become dependent on GPS to maintain our way of life

• Jamming and spoofing hardware/open source software is more accessible than ever before

• New solutions require system overhauls, changing all GPS components and antennas

• Solutions that protect the integrity of our GPS systems are required today

The Solution

ThreatBlocker provides GPS jamming and spoofing data, detection, and protection; leveraging Orolia Defense & Security’s patented BroadShield software and The Aerospace Corporation’s BLISS (Blind Interference Signal Suppression) algorithms. It is configurable to meet your requirements and is designed to be installed in-line with your existing hardware. Install ThreatBlocker in-between a FRPA (Fixed Radiation Pattern Antenna) and GNSS receiver/system. ThreatBlocker has LED status indicators for real-time awareness, robust API for data output, and an intuitive web user interface to view real-time and historical data.
Specifications

<table>
<thead>
<tr>
<th>Size, Weight and Power</th>
<th>Ruggedization and Compliance Certifications</th>
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</thead>
<tbody>
<tr>
<td>Size: 144 x 164 x 32mm (WxDxH)</td>
<td>Wide voltage input: 9-36V                          RoHS 3, Safety EN 60950, CE</td>
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<tr>
<td>Weight: 840 grams</td>
<td>Operating temp: -40°C to +85°C                                               Environmental MIL-STD-810, IP67</td>
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<tr>
<td>Power: 10 Watts (Peak)</td>
<td>EMI/EMC EN 55032, FCC 47 CFR PART 15/EN 55024/2014/30/EU</td>
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</table>

Data output via Light Weight Ethernet (LWE)
- Built-in API
- RaptorX plugin
- WebUI

Ruggedization and Compliance Certifications

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STANDARD CONFIGURATION

PLOT - LIVE FIRE FIELD TEST
Data output from ThreatBlocker is compatible with an existing RaptorX plugin, allowing for a GPS jamming heat map. Blue corresponds to low J/S while red corresponds to high J/S.

J/S MEASUREMENTS - LIVE FIRE FIELD TEST

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