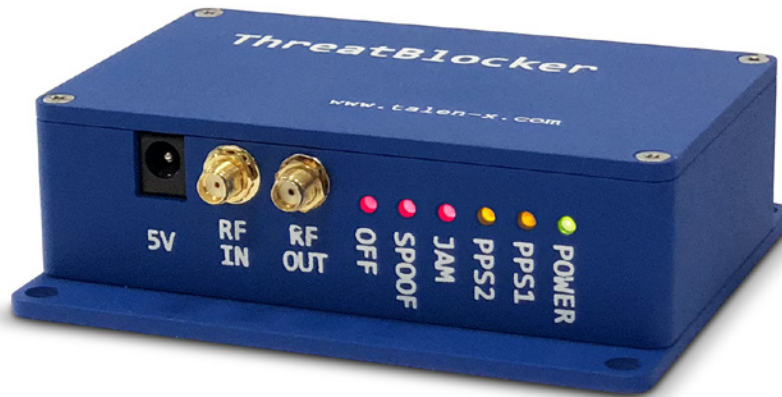


THREATBLOCKER

GPS JAMMING + SPOOFING PROTECTION DEVICE



THE PROBLEM

- GPS disruptions can affect various networks, the ability to perform a mission, or critical infrastructure
- The ability to access trusted PNT data is becoming more and more critical
- Threats are becoming more advanced and also more readily available
- Many solutions require a new set of hardware, which could require months of system integration. Some applications may only work with legacy technology

THE SOLUTION

ThreatBlocker was jointly developed by Talen-X and The Aerospace Corporation, leveraging Talen-X's BroadShield software for jamming and spoofing detection and Aerospace's Blind Interference Signal Suppression (BLISS) algorithms for jamming suppression. As a system, ThreatBlocker provides ultimate protection.

WHAT IS BROADSHIELD?

Over 75 algorithms that detect when jamming and spoofing are present in the environment.

WHAT IS BLISS?

A digital processing technique to suppress jamming signals.

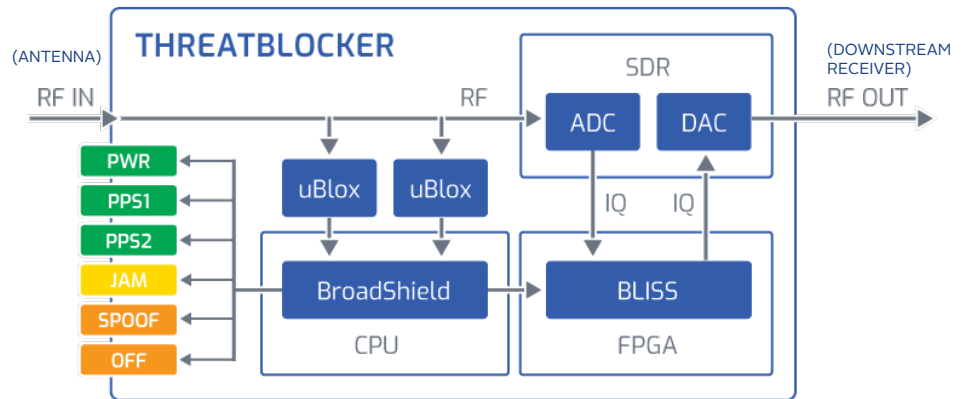
WHY USE THEM TOGETHER?

When paired together, these two technologies produce a formidable deterrent to interference. When BroadShield detects jamming, BLISS algorithms are enabled.

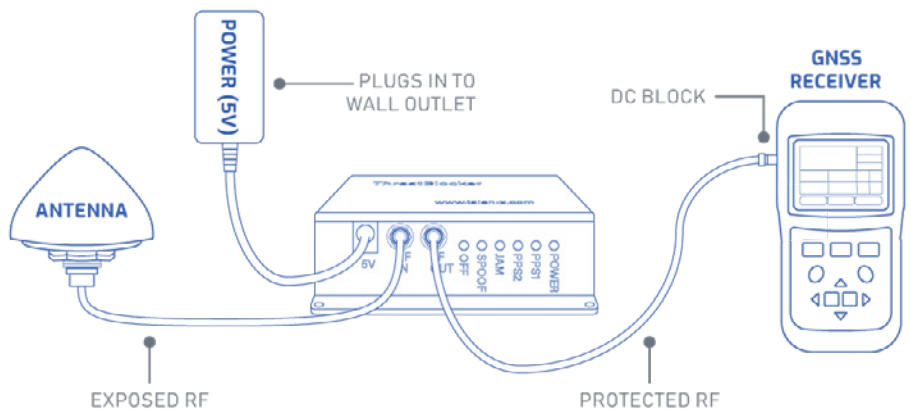
When BroadShield detects spoofing, the system is alerted to cut RF from passing downstream. This protects downstream receivers from processing deceptive signals.

IDEAL APPLICATIONS

- Critical infrastructure locations requiring anti-jam with a single antenna (FRPA)
- Protection from Personal Privacy Device (PPD) jammers
- In-line jamming and spoofing protection (ground, air, sea)



ThreatBlocker is designed to be installed in-line with your existing hardware in between a Fixed Radiation Pattern Antenna (FRPA) and the GNSS receiver/system. ThreatBlocker only requires an SV power input to be operational. The system has LED status indicators for real-time awareness however, the system is designed to be a set it and forget-it protection unit.



ThreatBlocker Jamming Performance Lab Test: CA vs Match Spectrum

CONCLUSION

- ThreatBlocker can detect jamming, detect spoofing, protect from jamming, and protect from spoofing
- Small Size, Weight and Power (SWaP)
- Inline system, compatible with legacy and modernized downstream PNT systems
- Enable operations in GPS-disrupted environments

