LOCH TECHNOLOGIES

AirShield℠

Invisible Threats. Visible Protection

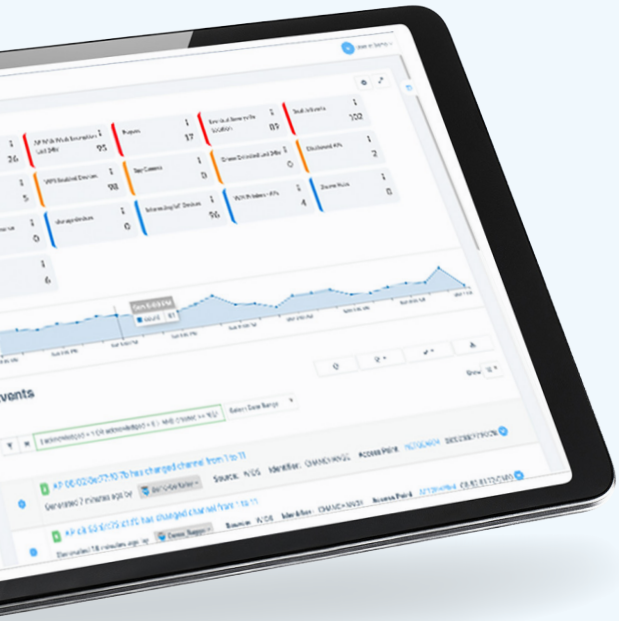
Broad Spectrum Wireless and Cellular Sensor based on Software Defined Radios for Next Generation 'Zero Trust' IoT Defense.

IoT has created the world's largest attack surface. Today's networks and organizations were never built to handle the massive volume, velocity and hyper-connectivity of smart devices in the business environment.

With 80% of IoT devices now being wirelessly connected, wireless is the new network and new attack surface. Yet, most businesses still struggle to identify IoT devices within their environment — creating new security blind spots.

The proliferation of IoT devices has led to a growing visibility challenge as IoT has ushered in a plethora of new operating systems, new protocols and new frequencies that are simply foreign to the business. And with the growth of 5G cellular ramping up, more organizations are discovering that they have a significant lack of visibility into this new attack surface.

AirShield℠ Wireless Security-as-a-Service provides comprehensive visibility into the new IoT, IoMT and OT (operational technology) threat landscape.



Cloud Enabled - AirShield sensors automatically connect to the Wireless Machine Vision cloud platform for visibility and control. No on-premise server installation is required. Receive real time actionable results within minutes, easily integrates with SIEM, SOAR and ITSM operations.

Real-time Data Analytics - Identify unacceptable wireless IoT vulnerabilities on managed and unmanaged IoT devices. Close the incident response loop with AirShield's Threat Hunting Incident Tracker app and API based integrations with 3rd party IT tools for tracking, ticketing and remediation.

Customizable Software Defined Radio - Software Defined Radios monitor a broad spectrum for wireless radio frequencies (RF) including 4G/LTE/5G Cellular in the range of 300Mhz to 6Ghz for continuous detection and tracking of IoT, IoMT and OT devices and mitigate any risk and threats they pose to your infrastructure.

Critical Path to Exposure™ Reporting - Raise awareness on the growing IoT security risks. Leverage the industry's leading IoT wireless security benchmarks to measure and manage the security posture of all wireless and cellular connected devices in your environment.

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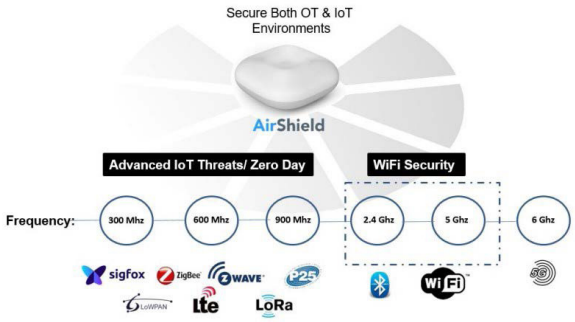
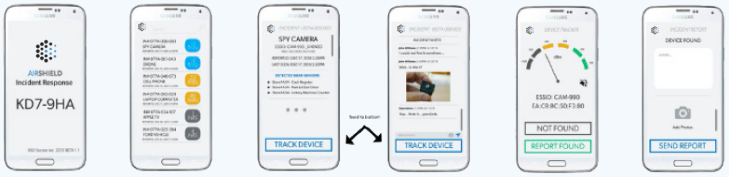
Passive monitoring of the Cellular, Broad-Spectrum Wireless IoT and WiFi airwaves for next generation IoT Defense - eliminate the RF espionage threat to the enterprise.

AirShield[SM] lets enterprises see every RF emitting device within their environment, on or off their production network whether connecting via Wi-Fi, Bluetooth, Cellular or other broad-spectrum IoT protocols.

AirShield provides comprehensive visibility into the IoT and OT (Operational Technology) threat landscape in order to detect, assess and prevent risk from unmanaged, unsecured and misconfigured IoTdevices.



AirShield[SM] mobile app for Incident Tracking and Threat Hunting, downloaded from the Google Play store:



- Assists to track down devices found by AirShield - IoT Sensors, APs, Printers, Drones, etc.
- Android Phone/Tablet acts as signal dBm meter with audio to locate device(s) being investigated
- Connect via LOCH Cloud Platform to "Track Incidents and Devices"
- Automated incident creation, tracking and resolution with 3rd party integrations
- Details are collected and managed from cloud console and the app
- Application shows assigned and open Incidents for nearby devices based on geolocation
- Rich text and images can be attached to the Incident along with all transition history - Unassigned -> Assigned -> In Progress -> Found -> Not Found -> Closed

SPECIFICATIONS

CHASSIS

Dim: 10.2in x 10.2in x 6in
System Weight (Net): 2.5LB
White Shield Logo System LED Indicator

INTERFACES

1x 10/100/1000 Ethernet (RJ45/POE)
1x DC power connector (5.5mm x 2.5mm)
RJ45 Serial Interface for Local Configuration
LTE Backhaul (optional)
Reset Button for Troubleshooting

ENVIRONMENT

Operating Temperature: 0 to +55 °C
Vibration: 9.8 m/s2(5.0G) 5 to 500Hz

RADIO INTERFACES

2.4Ghz & 5Ghz WiFi Demodulation
2.4Ghz & 5Ghz Interrogation
2.4Ghz BlueTooth Demodulation
SDR for wide-band monitoring

ANTENNAS

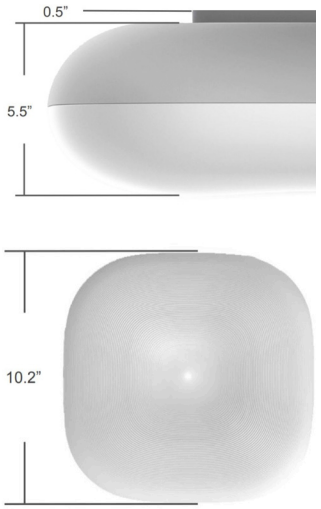
2x 2.4Ghz & 5Ghz Omni Internal 5db
1x LTE 900Mhz/1.4Ghz Internal (Optional)
1x High/Low 100Mhz/6Ghz Internal
1x 2.5Ghz Bluetooth Ceramic Internal

MOUNTING

1x Mounting Ring included
Horizontal cable feed compatible

POWER

Power: DC10-19V 60W
POE: (U) AF Mode 60W (RJ45)
Consumption: 1.6A-2.1A
Certified 802 LOCH POE Injector Only
Auto Power On - Power Loss
12V DC Direct Vehicle (optional)



About LOCH Technologies, Inc.

LOCH is a global leader of next-generation wireless threat monitoring. The company provides actionable intelligence on all 5G cellular and wireless IoT devices to help organizations improve their security posture, reduce risk, and manage wireless data usage across the enterprise.

Every wireless device needs to be visible and secure, regardless of what type of device it is, what protocol it uses, and who owns it.

This guides everything we do and why LOCH aims to secure and enable the new world of wireless innovation that will drive the next generation of digital transformation. For additional information, please visit us at www.loch.io

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