

PolyEdge™ UAS Detection & Tracking



Comprehensive and Jam Resistant Drone Detection with Dual Mode Capability



OPERATING PRINCIPLES

PolyEdge™ delivers advanced UAS detection through two complementary sensing modes:

- *Mode 1*: Passive radar using ambient 5G/4G signals
- *Mode 2*: RF signal detection of drone command-and-control links

Together, these modes provide a layered approach to drone awareness—detecting airborne targets through both physical presence and active communication signals, all without emitting a single transmission.



FEATURES & FUNCTIONS

- Dual-Mode Detection
- No Emissions
- Stealth Deployment
- Scalable Architecture
- Capable of Detecting Both RF-Active and RF-Silent UAS
- API Output Available

CONNECT WITH THE
TIAMI NETWORKS TEAM:

Tiami Networks Inc | 801 K Street, Suite 900; Sacramento, CA 95814

www.tiaminetworks.com

info@tiaminetworks.com



MODE 1

In Mode 1 PolyEdge operates passively using nearby 5G/4G signals. Its output is driven directly to a visualization or other API.

Note the "ISAC-Target" in the center right of the screen.



MODE 2

In Mode 2 PolyEdge is listening to RF Command & Control signals between the operator and drone.

Its output tracks and plots the location of the UAS over time on this display.



About Tiami Networks Inc

Founded by seasoned professionals from industry leaders such as Ericsson, Verizon, Qualcomm, and Meta, Tiami Networks is a visionary startup based in California. With deep-rooted expertise in telecommunications, its team is dedicated to revolutionizing the global 5G landscape. Its mission is to transform the 5G system into the world's largest distributed radar network, harnessing this technology for consumer and commercial applications. By integrating advanced AI and radar technology with 5G networks, Tiami Networks aims to create smarter, safer, and more efficient environments, enhancing connectivity and data analysis capabilities across various sectors. Our commitment to innovation positions us at the forefront of the next wave of technological advancements, poised to redefine the future of communication and environmental intelligence.

Connect

Tiami Networks Inc
801 K Street, Suite 900
Sacramento, CA 95814
www.tiaminetworks.com
info@tiaminetworks.com