

PolyEdge™ Product Information



Specifications	
Detection Accuracy	> 90%
Typical Range	1 kilometer
Supported Technology	5G (SA, NSA)
Frequency Range	FR1 (600-6000 MHz)
Height	475mm (18.7 in)
Width	305mm (12.0 in)
Depth	239mm (9.4 in)
Max Power Consumption	65W
Avg Power Consumption	45W
IP Rating	IP65

INTEGRATED SENSING AND COMMUNICATIONS (ISAC)

PolyEdge™ is built on ISAC, a technology that fuses wireless communications and radar-like sensing into one system. By using existing 4G, 5G, OR Wi-Fi signals, PolyEdge can sense the environment without requiring cameras, extra spectrum, or costly dedicated sensors.

It works by analyzing how wireless signals reflect and scatter off objects to detect and characterize people, vehicles, and drones in real time. With ISAC at its core, PolyEdge delivers powerful situational awareness at a fraction of the cost and complexity of traditional solutions.

CONNECT WITH THE TIAMI NETWORKS TEAM:

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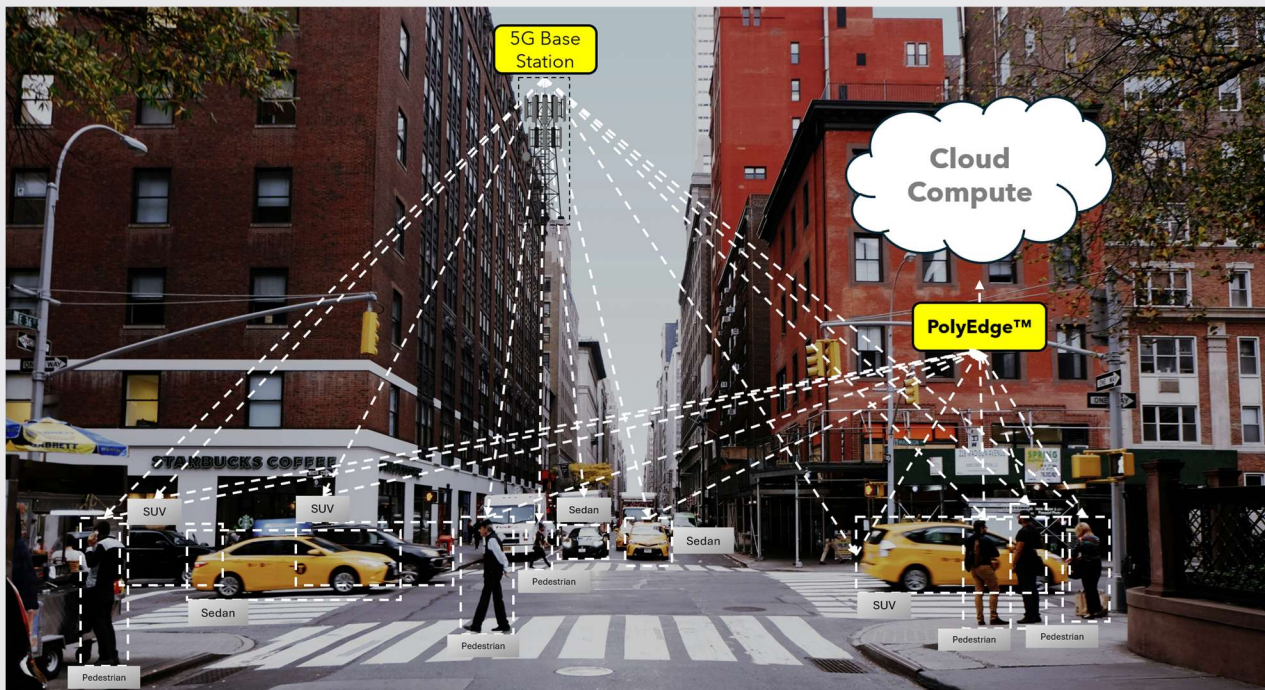


KEY BENEFITS

- Cost-Effective Deployment
- All-Weather, Day/Night Operation
- Non-Intrusive & Camera-Free
- Scalable & Flexible
- Real-Time Awareness

USE CASES

- Drone Detection
- Occupancy Sensing
- People Detection
- Vehicle Classification
- Perimeter Intrusion Detection



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

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