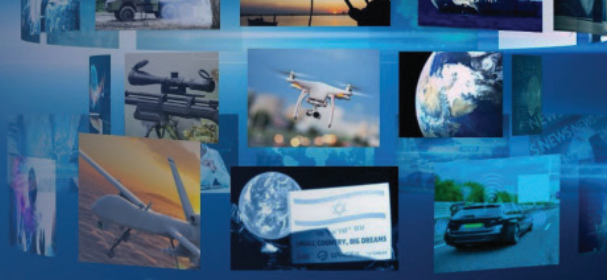

Video Streaming & AI Acceleration at the Edge for Autonomous & Remote Platforms

High-Performance at the Edge

Smart onboard edge architecture that enables real-time and accurate video and AI processing such as object detection, classification, and tracking.

Empowering Mission Success

Video streaming and AI acceleration for accurate intelligence gathering, comprehensive situational awareness, effective decision-making, and mission success

Driving Fast-Growing Markets on Land, Sea, Air, and in New Space

Compact and modular architecture designed to integrate with a broad range of manned and autonomous platforms for a wide range of applications.

Top-Tier Installed Base and Proven Track Record

Field-proven solution with a broad ecosystem meets the evolving needs of multiple use cases for reliable intelligence and actionable insights

The Maris Edge

Low Latency

Up to 100ms end-to-end latency streaming that paves the way for entry into new markets, such as New Space and drone fault prediction/diagnostics

Modular & Flexible

Easily integrates with independently designed systems and can be configured to support any electro-optical and thermal sensor standard

Ultra-HD resolution

High-video quality with the most advanced video compression standards for real-time transmission

Powerful AI Acceleration

Sophisticated AI processor accelerates deep learning applications on edge devices

Best in Class SwaP

Miniature and lightweight, with efficient power consumption to deliver the longer operating life needed for extended transmissions

Robust Communication

Supports miniature and low-power stable wireless communications for uninterrupted transmission in harsh environments, including adaptive and dynamic streaming mechanisms and Forward Error Correction (“FEC”)

Multiple Streams

Simultaneously supports multiple SD/HD/thermal sensors on a single platform, essential for providing complete imaging coverage

maris

israel@maris-tech.com +972-72-2424022; www.maris-tech.com

Use Cases

Defense
UGV mounted systems, armored vehicles, drones, weapons sights

Homeland Security & Law Enforcement
Drones, covert applications, and intelligence gathering

Smart City
Crowd control, real-time traffic management, and dynamic situational adaptation

Commercial Industries
Smart retail, site infrastructure, precision agriculture, visual inspection

Aerospace & New Space
UAV-mounted systems, helmet-mounted systems, aircraft, and new spacecraft

Selected Customers

Aero SQL Aeronautical Solutions · Elbit Systems · LEONARDO · משרד הביטחון MINISTRY OF DEFENCE · משרד ראש הממשלה · IAI · RAFAEL SMART AND TO THE POINT · ART OF LOGIC · FLYABILITY

Ecosystem and Partners

imca · ANTRICA encoders | decoders · HAILO · ART OF LOGIC

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