

ADAS BOX

Rugged Edge AI Compute for
Ground Robotics ADAS



TARGET LOCK



ATR

ROS

MAVLink



RealSense
depth camera

LIDAR

KEY CAPABILITIES



CONNECTIVITY

Multi-link resilient communications leveraging Cellular, RF SDR, and Fiber with intelligent failover capabilities.



SENSOR INPUTS

Camera and LIDAR hub supporting up to 4x concurrent cameras (including Intel RealSense depth) plus a LIDAR array.



PROTOCOLS & STREAMING

Native industry-standard interoperability via ROS 1/2 and MAVLink; RTSP video streaming featuring dynamic RSSI-adaptive bitrate scaling.



PERCEPTION FRAMEWORK

Advanced ATR and tracking suite running custom automated target recognition networks paired with a dedicated AOI target tracker.



COLLABORATIVE OPS

Multi-UGV SLAM and tactical mapping designed for real-time joint building scans and map merging using RTAB-Map and ROS.



PLATFORM SUPPORT

Native robotic dog integration engineered directly for Apeiro and ZSI Bot quadrupeds with full ROS/MAVLink standard compatibility.

SYSTEM METRICS

NVIDIA JETSON ORIN NX POWERED

PART OF GANGLIA NEURAL SWARM C3 ECOSYSTEM



NEURONICS



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