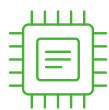




eVPU Mini

COMPACT SITUATIONAL AWARENESS VISION PROCESSING UNIT

A high-performance vision and AI processing unit for uncompromised situational awareness.



1000 TOPS

CPU + GPU + NPU

Embedded AI computing power



4 TB

EMBEDDED SSD

Large storage capacity



20 Gb/s

HIGH SPEED LINKS

Ultra-high-speed video & data transfer

ONE PLATFORM. MULTIPLE MISSIONS.

eSAS

AUGMENTED SOLDIER

Situational awareness in real time, augmented vision, navigation and secure communications.

eVSA

PROFESSIONAL & ARMoured VEHICLES

Surround vision, sensor fusion, obstacle detection and decision support for ground & armoured vehicles.

UGV

UNMANNED GROUND VEHICLES

360° perception, autonomy, obstacle detection and secure all-terrain data transmission.

UAV

UNMANNED AERIAL VEHICLES

Vision processing unit for UAVs with a payload class from 8kg.



DESIGNED
FOR EXTREME
ENVIRONMENTS



SECURE, RESILIENT
& CYBER-
HARDENED



COMPACT,
LIGHTWEIGHT &
POWER-EFFICIENT



FAST &
MODULAR
INTEGRATION

TECHNICAL SPECIFICATIONS



IMAGE ANALYSIS PROCESSOR
1000 TOPS SoC (CPU + GPU + NPU)



**IMAGE PROCESSOR
& DATA STREAM MUXER**
1x SoC (FPGA + CPU + GPU)



OPERATING SYSTEM
Linux based



MEMORY - STORAGE
Embedded SSD: 4 TByte



RF COMMUNICATION / GNSS

- Ultra Wide Band (UWB) stealth radio link
- MANET mesh encrypted Software Defined Radio (SDR with beamforming Tx, multiple simultaneous frequencies, fast frequency hopping, narrow band)
- Embedded Wi-Fi / Bluetooth radio link
- Optional: GNSS, 4G broadband



LINKS & CONNECTORS

- IP network link: Ethernet RJ45 | 1 Gbit/s
- USB link: 2x USB 3.0 Type-A | 5 Gbit/s
- High-speed link: RX/TX SerDes differential link NVType-C | 20 Gbit/s per lane
- Power input: Type-C & XT60



**MULTI-SENSOR
FUSION**



**REAL-TIME AI
PROCESSING**



**SITUATIONAL
AWARENESS**



**SECURE
COMMUNICATIONS**



**HIGH-CAPACITY
STORAGE**



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