



Adding Intelligence to Vision

AI Processing Unit

Processing camera data in real-time and streaming object detection output to a display ensures safer navigation, reducing the risk of accidents even in harsh operating conditions and low visibility



- 510 Gms
- 126 mm x 126 mm x 108 mm
- 60 W, 19 V, 3.15 A

Certifications
IP, IEC, BSI, IK, FCC, CE, UL, EN

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AI Processing Unit

Our AI processing unit enhances safety for vehicles—including cars, trucks, industrial vehicles, and boats—by analyzing real-time camera data for object detection. It improves situational awareness and navigation in low lighting, restricted visibility, and adverse weather conditions, reducing the risk of accidents and ensuring safer operation in all environments.

Features



Integrated, software-defined system with sensor fusion (GPS and IMU) with optimised code



Rugged AI Unit
Built for extreme weather & outdoor operations



Edge intelligence for performance with unreliable network connections



Inbuilt battery backup for continuous operation during power outages



Innovative Design
Ensures Robust Performance with minimal maintenance and cleaning

Hardware Specs

Intel Core N100 Processor	8GB RAM, 512GB Local Storage
Integrated battery backup	Integrated 4G / 5G Modem
DC18V Power in	RJ45, USB3, HDMI, USB2 out, RJ45 in
2.9 GHz CPU	Integrated graphics card
IP67 rated for harsh conditions	Wi-Fi 5, Bluetooth 4.2

Software Specs

Inference & Interpretation Pipeline · Fusion · Domain correction
Interaction & Action Operator · Device · Triggered standard · Triggered SLM Gen A
Information & Ingestion Live Streaming · Full Recording · Synopsis · Side-loading · Uploading · Mesh-loading
Insights & Improvement Dashboard · Ai led descriptors · GenAI driven search
Software C++ with libraries · Java with frameworks · Hardened Linux · AI Module for detecting specific defetcts

Please note that product designs and specifications are subject to change without notice.
Actual specifications may meet or exceed those listed.