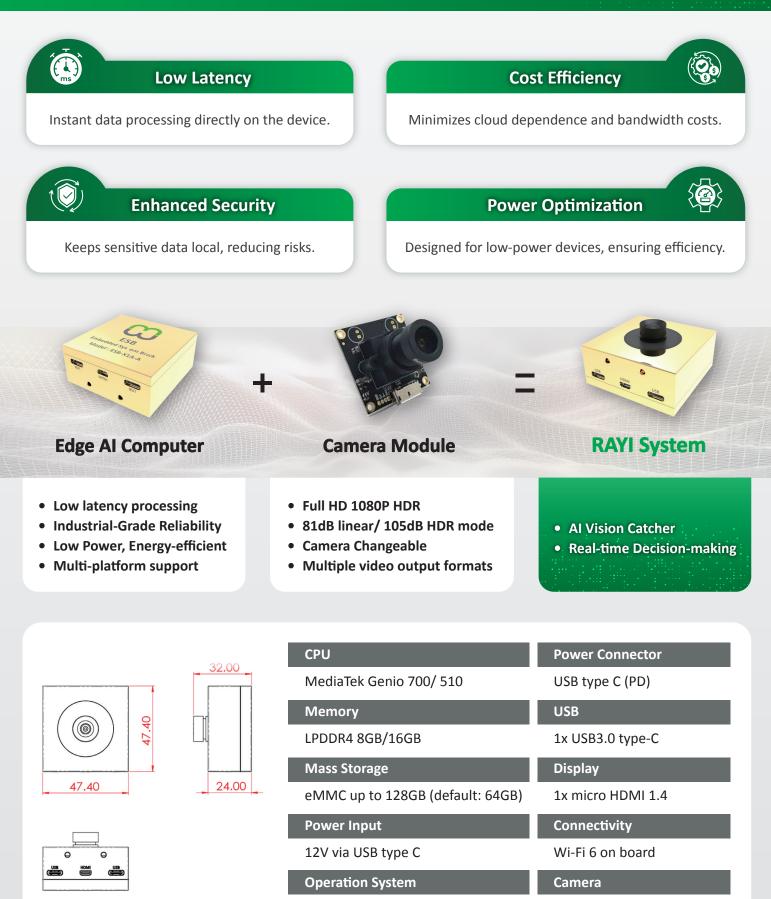


Edge Al Solutions

The Future of Intelligent Vision

Revolutionizing AI with Edge Computing

- 1. Edge AI enables real-time processing without relying on cloud connectivity.
- 2. Enhances security, reduces latency, and ensures efficient power consumption.
- 3. Ideal for industries that require quick decision-making and low-latency inference.



Linux Yocto

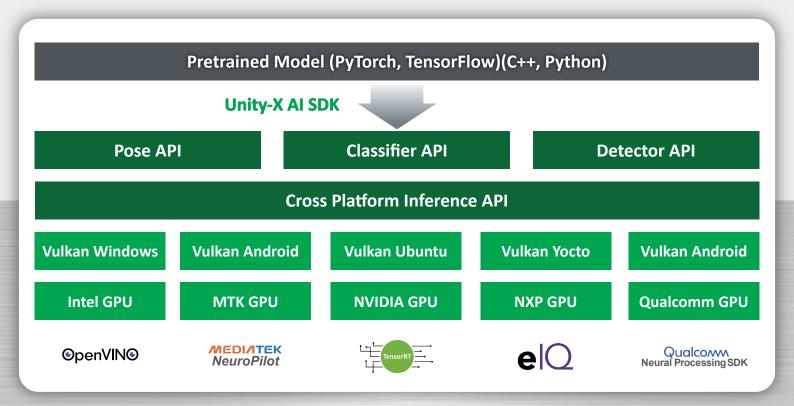
2 MP camera (via USB2.0)

MiTwell AI Inference SDK – Powering Intelligence

The architecture of an AI inference SDK, with **Unity-X AI SDK** at its core. It provides AI services through the **Pose API, Classifier API, and Detector API** and enables **cross-platform inference** via the **Vulkan API**.

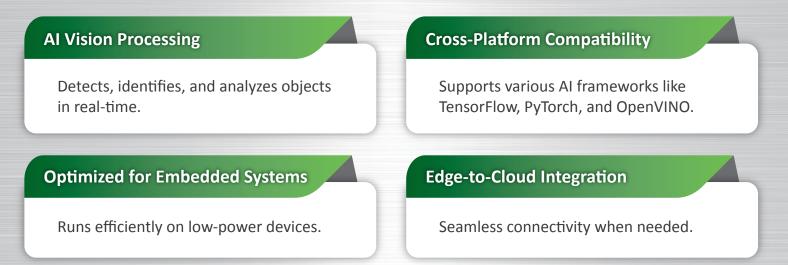
The SDK supports multiple operating systems and hardware platforms, including **Intel, NVIDIA, MTK, NXP, and Qualcomm GPUs**. It also integrates inference acceleration engines such as **TensorRT, OpenVINO, and NeuroPilot**, enhancing AI computing performance.

This architecture allows developers to efficiently execute AI inference across different devices, whether on **PCs, mobile devices, or embedded systems**.



Edge AI Technology & Features

Edge AI technology integrates advanced vision processing capabilities with AI inference engines to deliver high-performance solutions.



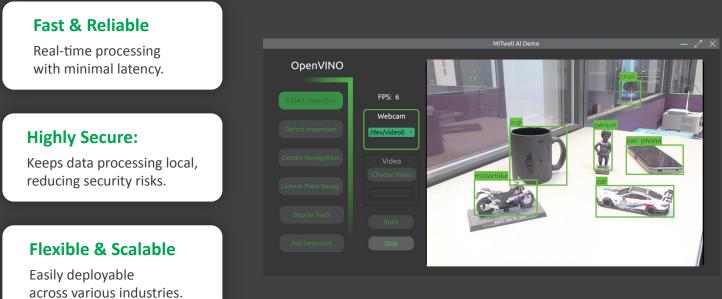
Edge AI Applications



Mitwell Al Vision Demo integrates advanced edge AI for real-time visual analysis, including object detection, defect inspection, gender and license plate recognition, bicycle tracking, and fall detection. Optimized for smart retail, industrial automation, and smart cities, it delivers fast, accurate, and efficient AI-powered insights.

Smart, Secure, and Scalable AI at the Edge

Our Edge AI solutions empower businesses with cutting-edge technology:



Ex: Object detection

Edge Al Use Cases

Edge AI computing devices are transforming transportation, education, and smart home appliances, enabling smart surveillance, traffic management, and urban infrastructure optimization for a more connected and intelligent future.





Collecting customer data through compact systems and integrated cameras, our solution enhances intelligent POS systems, inventory management, and customer behavior analysis for smarter retail operations.

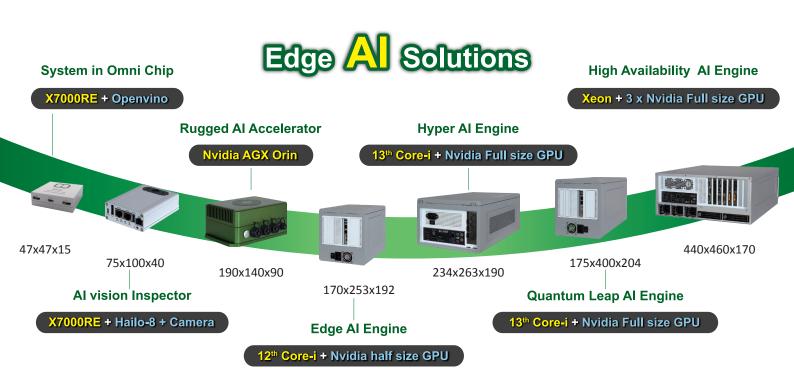
Designed for long-term reliability with longevity support and industrial-grade durability, our solution powers automation equipment in smart factories, industrial systems, HMI, and IoT gateways, ensuring stable and efficient operation.





Bike / Motorcycle

Installed on bikes and motorcycles as an Edge AI visual computer, it enhances cycling intelligence with security monitoring, navigation assistance, obstacle detection, and sports analysis for a smarter and safer ride.



Advanced EAI Solutions Provider

About MiTwell

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MiTwell, Inc., founded in 2015, is a dedicated Advanced EAI Solutions Provider specializing in embedded AI solutions. We offer design, development, manufacturing, and integration services for system computers and peripherals. In the evolving AI landscape, MiTwell delivers cutting-edge intelligent modules and reliable, versatile system solutions, empowering customers to navigate market demands and challenges with confidence.

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