Real-time AI-based Video Analytics Solution

MEGH COMPUTING

WHITEBOX SOLUTIONS™

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IImplementation of AI-based video analytics solution at the edge is crucial in mission-critical applications that require real-time data processing and low-latency response. Real-time video analytic can process the Deep Learning Inference at the edge, without streaming large volumes of data to the cloud that leads to higher overheads in network bandwidth and power consumption.

However, it's a time-consuming journey to deploying AI-based video analytics system, which requires a total integration of high speed camera, edge AI computing hardware with accelerator, and application-tailored software building blocks. To accelerate your time-tomarket AI deployment at the edge, Lanner works with MEGH computing to deliver open analytic platform that enables customizable, cross-platform, real-time intelligent video analytics solutions.

Pre-validated with Megh's VAS-300 software, Lanner's Edge AI appliances can deliver intelligent video analytics solution for managed service providers and solution integrators who need actionable insights with enterprise-class performance while managing TCO.

EAI-I130

NVIDIA JETSON

- NVIDIA® Jetson Xavier NX/Jetson Nano
- AI Performance Up To 21 TOPS
- Fanless Design with -40~70°C Operating Temperature
- M.2 Support For 5G & WiFi6
- 2x PoE LANs, 2x COM

LEC-2290

intel CORE i7

- Intel® Core™ i7-8700 & Intel® Xeon® E-2278GEL
- 2x DDR4 2133/2400 SO-DIMM, Max. 64GB
- 2x RJ45, 4x PoE, 4x USB3.0, 6x COM, 8x DIO
- 2x Removable HDD/SSD External Slot w/ RAID, 1x mSATA
- 1x PCIe*16 & 1x PCIe*4

TRAFFIC MANAGEMENT

INVENTORY MANAGEMENT

PHYSICAL SECURITY

WORKER SAFETY

ALPR, traffic violation, vehicle access control, vehicle counting, vehicle tracking,

Box and pallet counting, object left behind, planogram compliance, shelf stock

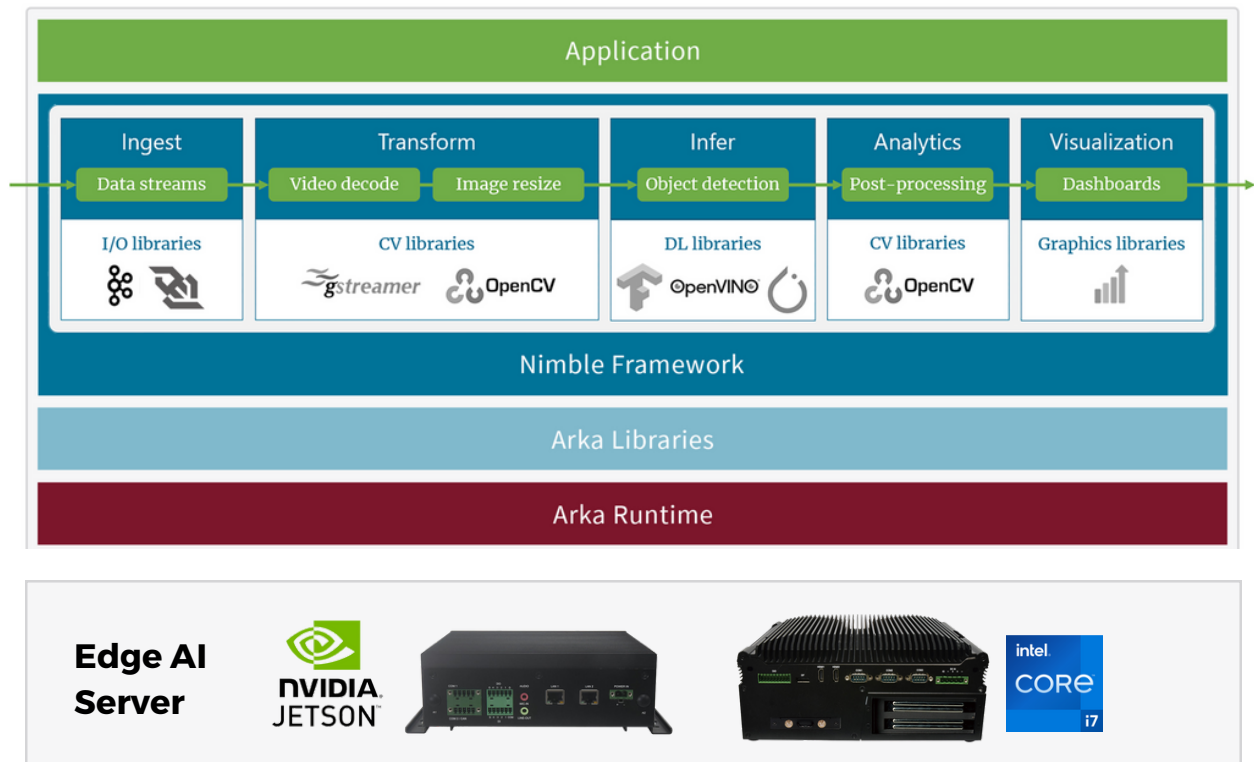Intrusion, loiter, and proximity detection, people occupancy and tracking

PPE compliance, fire and spill detection, monitor keep-out areas, worker fallen

Benefits of Megh's Video Analytics Solution (VAS)

- VAS is built on Megh's Platform based on the Open Analytics principles of open customization, open choice and open integration.
- VAS is powered by the Nimble Application Framework which allows customization across the entire video analytics pipeline to support new use cases with new AI libraries.

- VAS is engineered to seamlessly leverage hardware acceleration with the Arka Runtime across CPU, GPU, FPGA and SOCs delivering a truly high-performance, real-time analytics solution.
- VAS supports REST APIs enabling dynamic configuration of the pipeline from the dashboard and integration with enterprise back-end applications.

Ordering Information

Model Name	CPU	RAM	I/O	RF Connectivity	Others
EAI-I130A	NVIDIA® Jetson Xavier NX	8GB	2x GigE PoE LANs, 2x COM	1x M.2 B 304(5)2 for 5G sub6, 1x M.2 2230 E for WiFi	TPM 2.0
EAI-I130B	NVIDIA® Jetson Xavier NX	16GB	2x GigE PoE LANs, 2x COM	1x M.2 B 304(5)2 for 5G sub6, 1x M.2 2230 E for WiFi	TPM 2.0
EAI-I130C	NVIDIA® Jetson Nano NX	4GB	1x GigE PoE LANs, 2x COM	1x M.2 B 304(5)2 for 5G sub6	
LEC-2290A	Intel® Core™ i FCLGA1152 Intel® Xeon® E-2278GEL	Max. 64GB	2x RJ45 GbE LAN, 4x PoE, 4x USB3.0, 6x COM Ports, 8x DI & 8x DO	1x mini-PCIe with Nano-SIM 1x B key M.2 with Nano-SIM	

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