

Accelerating Edge Vision AI for Smarter, Safer Operations

VisionAlre Edge Appliance



nodeflux x **ASUS** x **intel**
Extending Vision Beyond Imagination

Nodeflux Vision AI delivers deep learning-based video analytics to solve complex challenges in smart cities, defense, and public safety. Our core features—including License Plate Recognition, Facial Recognition, and Crowd Analytics—transform standard CCTV streams into real-time, actionable intelligence.

To maximize scalability, the Nodeflux platform is deeply optimized for Intel® architecture. By leveraging the Intel® Distribution of OpenVINO™ toolkit, we significantly accelerate AI inference at the edge. The solution is seamlessly onboarded onto Intel® Xeon® Scalable processors for robust backend processing and Intel® Core™ processors for agile edge computing. This synergy eliminates the strict dependency on expensive GPUs, drastically lowering the Total Cost of Ownership (TCO). Customers gain a low-latency, high-performance Vision AI ecosystem that scales seamlessly, empowering faster decision-making for smarter, safer environments.

Nodeflux VisionAlre has been deployed on ASUS NUC 15 Pro+, powered by Intel® Core™ Ultra processors (Series 2). This compact mini PC is designed for modern productivity and AI-enhanced workloads, enabling real-time analytics for applications like VisionAlre.

Enterprise-grade video analytics maximizing Intel® architecture for scalable, cost-efficient AI.

Intel Products & Technologies Accelerating AI and analytics at the edge



[Intel® Core™ Ultra Series 3 Processors](#)



[Intel® Core™ Processors](#)



[Intel® Iris® Xe Graphics](#)



[Intel® Arc™ B-Series Graphics](#)



[OpenVINO™ Toolkit](#)



[oneAPI](#)

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



Low-Latency AI Edge



GPU-Free Inference



Lower TCO Solution



Scalable Backend

Powered by Intel Processors and optimized with the OpenVINO™ toolkit, Nodeflux and ASUS deliver:

01



Real-time neural network edge processing

02



Complex vision workloads on CPUs

03



High-throughput video analytics at scale

04



Reduced hardware and maintenance costs

That's the power of Intel Inside.

Country/Geo:

Worldwide

Verticals:

Video Safety & Critical Infrastructure
Manufacturing
Health & Life Sciences
Transportation
Retail

Use Cases:

Public Safety & Enterprise Security
Smart City & Critical Infrastructure
Video Analytics; Hazard Detection
Emergency Response; Worker Safety
Operational Efficiency

About Nodeflux

Nodeflux is Indonesia's leading Vision AI company, specializing in deep learning-based computer vision. Highly accurate and scalable analytics are provided for smart cities, defense, and enterprise security. Leveraging Intel's advanced architecture, Nodeflux provides optimized, cost-effective edge AI solutions to solve real-world challenges.

www.nodeflux.ai

[VisionAire - Edge AI Partner Spotlight](#)

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Intel® AI Edge Applications

About ASUS

ASUS is a global technology company driven by innovation and passionate about enhancing digital life. It designs and delivers a broad range of products and solutions that empower people and organizations, combining cutting-edge engineering, quality, and sustainability to create intuitive, reliable experiences for users worldwide.

www.asus.com

[ASUS NUC 15 Pro+ - Edge AI Partner Spotlight](#)

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Intel® AI Edge Systems

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