AI-Powered Video Analytics for Smarter Edge Security

DeepWall AI Perimeter Protection



VAELSYS X ASUS X intel

By leveraging Intel® technologies, Vaelsys Open V4 delivers real-time security intelligence to address high false alarm rates, costly video infrastructure, and limited threat detection.

DeepWall AI Perimeter Protection is Vaelsys' AI-powered video analytics solution designed to protect industrial facilities, energy sites and critical infrastructure against unauthorized intrusions. Running on the ASUS NUC 16 Pro platform and powered by Intel® Core™ Ultra processors, the solution delivers real-time edge AI analytics for perimeter monitoring and intrusion detection, generating accurate alerts that help security teams respond faster and reduce unnecessary interventions.

Built on Vaelsys' Open V4 platform and powered by Intel® Core™ Ultra Series 3 processors with Intel® Arc™ graphics, and optimized with OpenVINO™ toolkit, DeepWall delivers high-performance AI inference at the edge. Its efficient architecture enables scalable multi-camera deployments, reduces false alarms and helps minimize hardware requirements and energy consumption, providing reliable and cost-effective perimeter protection.

Open V4 by Vaelsys delivers up to 2x video channel density and 40% fewer false alarms through cost-efficient, real-time edge AI analytics.[1]

Intel Products & Technologies

Accelerating AI and analytics at the edge

Intel® Core™ Ultra Series 3 Processors

Intel® Arc™ Graphics

OpenVINO™ Toolkit

Deep Learning Streamer

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



Edge AI Inference



Intrusion Detection



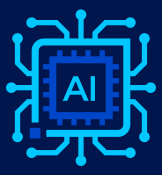
CPU/GPU/NPU Acceleration



Real-Time Analytics

Powered by Intel® processors and optimized with the OpenVINO™ toolkit, Vaelsys and ASUS deliver:

01



Intel® Core™ Ultra Series 3 processors accelerate edge AI.

02



OpenVINO™ toolkit optimized AI Inference.

03



Metro AI Suite enables scalable video analytics.

04



Deep Learning Streamer (DL Streamer) optimizes high-density video pipelines.

That's the power of Intel Inside®.

Country/Geo:

United States; Canada;
Latin America Region;
Europe, Middle East, and Africa

Verticals:

Security & Surveillance

Use Cases:

Live Video Stream Analysis;
Perimeter and Access Monitoring;
Video Analytics

About Vaelsys

Vaelsys develops AI-powered video analytics solutions for security, safety, and operational efficiency. With over 20 years of experience in computer vision, the company delivers scalable edge AI technology for perimeter protection, industrial environments, and critical infrastructure, enabling real-time detection and integration with existing surveillance systems.

www.vaelsys.com

DeepWall AI Perimeter Protection - 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 16 Pro - Edge AI Partner Spotlight

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Intel® AI Edge Systems

[1]Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

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