

AI Powered Video Analytics Solution

IRIS - Vision AI Platform



By leveraging Intel technologies, IRIS by Tata Elxsi helps manufacturers overcome visibility gaps caused by manual monitoring in complex operations, delivering scalable, real-time AI-powered insights that enhance operational control and decision-making.

IRIS is a Vision AI Analytics platform designed for manufacturing environments, enabling real-time monitoring of safety compliance, quality and quantity inspection, process and SOP adherence, and equipment health. Built as a proven accelerator, IRIS provides up to 90% of the solution out of the box, significantly reducing deployment time and risk. The remaining solution is customized through customer-specific AI model fine-tuning and configuration to align with unique operating conditions, production processes, and performance expectations. This ensures high accuracy, scalability, and reliable insights that drive operational efficiency, quality improvement, and workplace safety.

Supporting use cases such as safety monitoring, quality inspection, SOP adherence, and equipment health, IRIS helps organizations move beyond manual and sampling-based processes to automated, data-driven operations. Deployed on ASUS NUC 15 Pro+ and powered by Intel® Core™ Ultra processors, Deep Learning Streamer (DL Streamer), and the OpenVINO™ toolkit, IRIS delivers scalable AI inference and video analytics at the edge.

IRIS by Tata Elxsi is an AI-powered manufacturing Vision AI Analytics platform that accelerates ROI through high-accuracy video intelligence, enhancing safety, quality, and productivity for faster, measurable business outcomes.

Intel Products & Technologies

Accelerating AI and analytics at the edge



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



[Intel® Core™ Ultra
Processors \(Series 2\)](#)



[OpenVINO™ Toolkit](#)



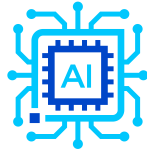
[Deep Learning Streamer](#)

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



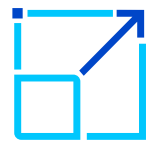
Real-Time Monitoring



AI Quality Inspection



Safety Compliance



Scalable Deployment

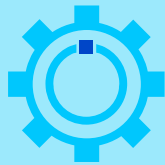
Powered by Intel® processors and optimized with the OpenVINO™ toolkit, Tata Elxsi and ASUS deliver:

01



Run AI locally with
Intel® Core™ Ultra
processors

02



Boost vision AI
efficiency with
OpenVINO™

03



Detect issues instantly
using Deep Learning
Streamer

04



Scale AI seamlessly
across your entire
facility

That's the power of Intel Inside®.

Country/Geo:

Worldwide

Verticals:

Manufacturing

Use Cases:

Quality Control; Worker Safety;
Operational Efficiency; Anomaly
Detection; Quality Inspection;
Predictive Maintenance; Process
Optimization; Operational
Diagnostics

About Tata Elxsi

Tata Elxsi is a global design and technology services leader specializing in AI, embedded systems, and digital engineering. Delivering AI-driven solutions across automotive, healthcare, media, and telecommunications, it leverages machine learning, generative AI, computer vision, and autonomous systems to power intelligent products and accelerate enterprise digital transformation.

www.tataelxsi.com

[IRIS - Vision AI Analytics Platform -
Edge AI Partner Spotlight](#)

intel ai

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.

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

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Intel® AI Edge Systems

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