

Real-Time Video Analytics for Intelligent Industrial Applications

Eagle Eye Video Analytics Platform



The Qualitas Eagle Eye Video Analytics Platform is an end-to-end AI-powered video analytics solution that continuously processes live camera streams to perform real-time detection, tracking, and analysis. Built for industrial environments, Eagle Eye runs multiple AI models simultaneously within a single pipeline — delivering fast, accurate, and scalable insights across a wide range of use cases.

Eagle Eye is compatible with virtually any video source — industrial cameras, IP cameras, existing video streams, or live conveyor-line feeds. Once Eagle Eye is trained for a specific use case — for example, inspecting products on a conveyor line — it can be plugged into that environment and start delivering results right away, using the cameras or video feeds already in place.

The platform also features a built-in Human-in-the-Loop capability, allowing operators to monitor live sessions, review AI detections in context, and validate or correct results when needed. This ensures full accountability, traceability, and continuous improvement of the system over time.

Use Case Spotlight — Rice/Grain Quality Analysis: A proven application of the Eagle Eye platform, the RaiceLabs AI Grain Analyzer performs real-time grain counting, defect detection, and physical property measurement on rice processing lines — replacing manual inspection with consistent, data-driven quality assessment.



Key Intel-Enabled Features



Fast Edge Inference



Integrated GPU AI



AI Optimization



Low Latency AI

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Integrated Intel® Arc™ GPU accelerates real-time AI inference at the edge.
- OpenVINO™ optimizes models for efficient, low-latency execution.
- Edge-ready architecture enables scalable industrial deployment.

Intel Products and Technologies

- [Intel® Core™ Ultra Processors](#)
- [OpenVINO™ Toolkit](#)
- [Deep Learning Streamer](#)

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*“We partnered with Qualitas to bring AI-driven automation to rice quality inspection. Using Intel’s edge AI technologies, the RaiceLabs analyzer delivers **real-time, accurate grain analysis, helping rice mills transition from manual inspection to consistent, data-driven quality evaluation.**”*

Shashikumar Thimmaiah
CEO, APIT Machinery Private Limited

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Edge Verticals: Manufacturing & Robotics

Edge Use Cases: Quality Control; Operational Efficiency; Quality Inspection; Process Optimization

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