



SERVICE GUIDE · 2026

Computer Vision

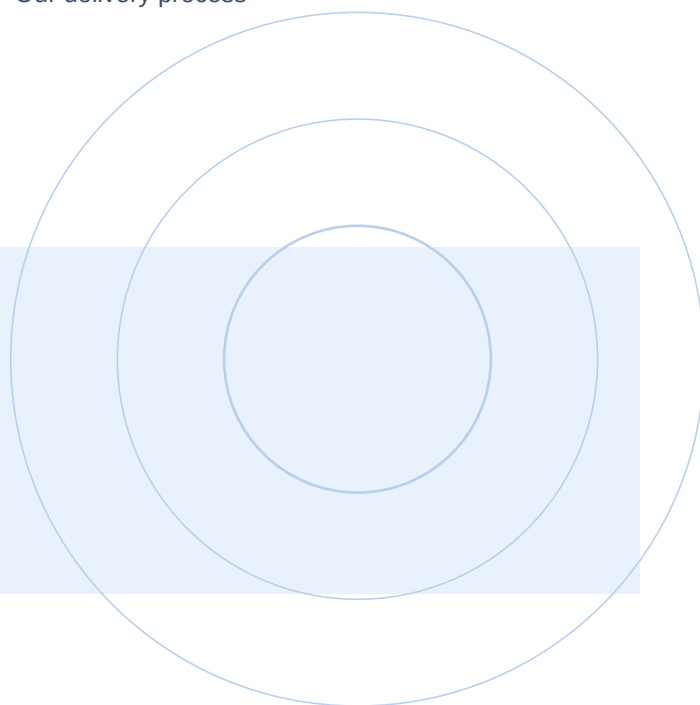
Give your operation a set of eyes that never blinks.

INSIDE THIS GUIDE

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WHAT IS COMPUTER VISION

Teaching software to look

Cameras are everywhere in most operations, and almost all of that footage is never watched. It is reviewed after something goes wrong, if at all. **Computer vision changes that from a record into a live signal** — software that watches continuously and tells someone the moment something matters.

It is not surveillance for its own sake. It is counting, checking, measuring, and spotting: the visual work a person would do brilliantly at the start of a shift and then progressively less reliably as concentration fades.

THINK OF IT LIKE THIS

Imagine your most attentive inspector, working every line and every entrance at once, never tiring, never distracted, and applying exactly the same standard at 5am on a Sunday as at 10am on a Monday. That is what you are adding — not replacing the judgement, but removing the fatigue.

01

How It Works

A plain-English overview

■ We Learn What Matters

We work with you to define exactly what the system should look for, then teach it using examples from your own site and your own footage.

■ It Watches Continuously

The model runs against live camera feeds or stored images, applying the same standard to every frame it sees.

■ You Get Told, Not Buried

Findings go where they are useful — an alert, a dashboard, a report, or straight into the system that triggers the next action.

02

What It Can Actually Do

The visual jobs it takes on

■ Defect & Quality Inspection

Checking every item rather than a sample, catching faults earlier and applying the same standard on every shift.

■ Safety & Compliance Monitoring

Protective equipment, restricted zones, and unsafe behaviour flagged in real time rather than found in an incident report.

■ Presence & Condition Checks

Confirming that the right thing is in the right place and in the right state — shelves, bays, assets, and enclosures.

■ Counting & Measurement

Accurate counts of people, vehicles, stock, or product, plus dimensions and fill levels, without anyone standing there tallying.

■ Document & Label Reading

Text, codes, and handwriting captured from photographs, labels, and paperwork, and pushed into your systems automatically.

■ Process Timing & Flow

Measuring how long each step actually takes and where the queues genuinely form, rather than where everyone assumes they do.

03 · WHERE IT APPLIES

Real scenarios, real outcomes

Below are the settings where visual AI earns its place fastest. In each one it is doing work that is either too repetitive to do reliably by eye or too high-volume to do at all.

A

Manufacturing & Quality

Catching problems while they are still cheap

■ In-Line Defect Detection

Surface flaws, misalignment, and assembly errors caught at the point of production instead of at the customer.

■ Dimensional Verification

Measuring against tolerance without stopping the line or handling the part.

■ Completeness Checks

Confirming every component, label, and seal is present and correct before a unit moves on.

■ Root Cause Evidence

Every reject captured with its image and timestamp, giving engineering a real dataset instead of anecdotes.

B

Sites, Safety & Security

Knowing what is happening while it happens

■ PPE & Safety Compliance

Helmets, high-vis, and exclusion zones monitored continuously, with alerts raised in the moment rather than in hindsight.

■ Vehicle & Plant Movement

Tracking movement through yards and sites, including near-miss detection between vehicles and people.

■ Access & Occupancy

Who and how many, in which areas, and for how long — for safety limits, security, and space planning alike.

■ Perimeter & Asset Monitoring

Intrusion and interference detected reliably, with far fewer false alarms than motion triggers produce.

C

Retail, Logistics & Field Operations

Visibility across places nobody can be at once

■ Stock & Shelf Monitoring

Gaps, misplacements, and planogram compliance detected from cameras or from staff photographs on a phone.

■ Damage Assessment

Condition captured and assessed consistently at handover, from vehicles to parcels to returned equipment.

■ Loading & Dispatch Verification

Confirming what actually went onto the vehicle, resolving disputes with evidence rather than argument.

■ Remote Site Inspection

Regular visual checks on unstaffed locations, cutting inspection travel to the visits that genuinely need a person.

04

What We Build For You

The parts of a working system

■ Camera & Capture Design

Practical guidance on placement, lighting, and hardware — the unglamorous decisions that determine whether any of it works.

■ Real-Time Processing

The pipeline that turns a live feed into a decision, running at the speed your process actually needs.

■ Review Interface

A simple way for your people to check flagged cases, confirm or correct them, and feed that back into accuracy.

■ Trained Detection Models

Models trained on your environment, your products, and your edge cases rather than a generic dataset.

■ Alerting & Integration

Findings delivered into the tools your team already uses, and into the systems that trigger the next step.

■ Reporting & Analytics

Trends over time — defect rates, compliance, throughput — so the system informs improvement, not just incidents.

05

Accuracy & Governance

Trustworthy eyes, responsibly deployed

■ Measured Accuracy

We report detection and false-alarm rates on real footage from your site, and we agree the acceptable thresholds with you up front.

■ Human Review Where It Counts

High-consequence findings are confirmed by a person. The system prioritises attention; it does not replace judgement.

■ Workforce Transparency

We help you communicate clearly with staff about what is monitored and why — the single biggest factor in adoption.

■ Tuned to Your Cost of Error

Missing a safety breach and stopping a good product are not equally expensive. We tune the balance to match your reality.

■ Privacy by Design

Face blurring, restricted retention, and processing on site rather than in the cloud where that is the right answer.

■ Continuous Improvement

Corrections from your reviewers feed back in, so the system gets measurably better in your environment over time.

06

Hosting & Deployment

On the edge or in the cloud

■ On-Device / Edge

Processing on site so footage never leaves the premises — lowest latency and strongest privacy position.

■ Your Cloud

Deployed into your own cloud environment where centralised analysis across sites matters more.

■ Managed by Us

We host, monitor, and maintain the system and deliver it as a supported service.

GO DEEPER · TECHNICAL COMPANION GUIDE**07 · IoT, robotics & connected systems**

Vision becomes far more powerful when it is wired into the physical world — sensors that add context a camera cannot see, and actuators, robots, or control systems that act on what is detected. Our technical companion guide covers sensor integration, edge architecture, robotics control, and field reliability for teams building connected operations.

www.entra-ai.com/assets/docs/Entra_AI_IoT_Robotics_Service_Guide.pdf

08**Training & Support**

Making sure the alerts get trusted

A system that raises too many false alarms stops being trusted, and once your team starts ignoring alerts the value is gone. We tune specifically against that, and we make sure everyone receiving an alert understands what the system can see and where its limits are.

■ Operator Onboarding

Practical sessions for the people acting on alerts — what triggers them, how to confirm, and how to correct the system.

■ Documentation

Clear write-ups of what is monitored, what is retained, and what the system does not cover.

■ Leadership Briefings

Coverage, accuracy, privacy posture, and how the system's value is being measured.

■ Ongoing Support

New cameras, new conditions, new checks — we extend and retune as your operation changes.

09

Common Questions

The things clients ask us first

■ Can we use our existing cameras?

Often yes. We assess your current setup first and only recommend new hardware where the images genuinely will not support the task.

■ What about staff privacy?

We design for it — blurring, retention limits, and monitoring the process rather than the person. We also help you explain it.

■ What about poor lighting or weather?

These are real constraints. We assess them early and tell you what is achievable rather than discovering it after installation.

■ Does footage leave our site?

Only if you want it to. Edge deployment keeps everything local, which is frequently the right answer for both privacy and latency.

■ How accurate is it really?

We prove it on your footage during a pilot and report the real numbers, including the misses. No claims before evidence.

■ How long until it is live?

It depends on your site, your cameras, and the conditions. We review all three first and agree the timeline with you before we begin.

10

Our Delivery Process

From first conversation to a live system

■ 01 — Discovery Call

We learn what you need to see, how often, and what it costs you to miss it.

■ 02 — Site & Feasibility Review

We assess cameras, lighting, and conditions, and confirm what is realistically detectable.

■ 03 — Data & Model Build

We gather examples from your environment and train models on your actual cases.

■ 04 — Supervised Pilot

The system runs on site with every alert reviewed, until accuracy meets the agreed threshold.

■ 05 — Deploy & Integrate

We go live on edge or cloud and wire alerts into your existing workflow.

■ 06 — Monitor & Improve

We track accuracy, retrain on new cases, and extend to further checks.



NEXT STEP

Ready to put eyes on your operation?

Tell us what you would check if you had someone watching every hour of every shift. We will tell you whether a camera and a model can do it.

GET IN TOUCH

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