

Your cameras are installed. Now make them useful.

Aqivon is a software layer for the IP cameras you already own. Real-time AI detection, facial recognition, and ERP-connected alerts. Processed locally on a single edge device. **Live in twelve weeks.**

01 How it works

<p>01 / SOURCE</p> <p>Your IP cameras</p> <p>Any brand, any model. RTSP, ONVIF, H.264 or H.265 over PoE.</p>	<p>02 / NETWORK</p> <p>PoE switch</p> <p>Standard PoE over your existing LAN. No new infrastructure.</p>	<p>03 / EDGE</p> <p>Edge device</p> <p>NVIDIA Jetson-class GPU runs all inference locally. No cloud.</p>	<p>04 / ROUTE</p> <p>Live dashboard</p> <p>Feeds, alerts, history. Native Oracle NetSuite and SAP hooks.</p>
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02 Eight detection models

Run simultaneously across your feeds. You choose which apply to each zone.

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| <p>▶ Person detection & tracking</p> <p>Count occupants, track movement across cameras, re-identify across non-overlapping fields of view.</p> | <p>▶ Restricted-zone monitoring</p> <p>Polygon geofencing per camera. Auto-alert on entry. Auto-ticket in ERPs.</p> |
| <p>▶ Object & vehicle detection</p> <p>Forklifts, pallets, packages, vehicles. Labeled, counted, tracked across zones.</p> | <p>▶ Pose, movement & fall detection</p> <p>Skeleton tracking for fall detection, ergonomics, behavioral flags. Industrial-tuned.</p> |
| <p>▶ Facial recognition</p> <p>Employee or visitor ID matching. Off by default where regulated, audit-logged where enabled.</p> | <p>▶ PPE & safety compliance</p> <p>Hard-hat, hi-vis, gloves. Per-zone safety rules with configurable enforcement.</p> |
| <p>▶ Quality & defect signaling</p> <p>Pass and fail flagging on production lines. Run-level variance detection.</p> | <p>▶ Spatial & heatmap analytics</p> <p>Heatmaps of dwell and movement. Floor-plan view for spatial event context.</p> |

03 Typical configuration

Cameras supported	No minimum, up to 64+ per node	Edge devices	1 per site, more for multi-site
Stream protocol	RTSP, ONVIF, H.264 / H.265	Vendor lock-in	None
Switch	Standard PoE	Deployment	About 12 weeks from contract
Cloud required	None	Licensing	Per edge device, scales with cameras

04 Privacy posture

WHERE DATA LIVES

On your network

Never our cloud. Video doesn't leave the premises.

RETENTION

You set it

Default 30 days. Configurable to 0.

ACCESS

Role-based, audit-logged

Every face viewed is logged with role and timestamp.

Configuration is reviewed with your legal and security teams during scoping. Facial recognition is off by default in jurisdictions that restrict it (Illinois BIPA, Texas, Washington). For healthcare deployments we configure for HIPAA. For European operators we configure for GDPR.

05 ERP & business-system integrations

Oracle NetSuite

- After-hours entries create security event records automatically
- Zone occupancy breaches trigger inventory or workorder flags
- Audit logs sync with camera ID, timestamp, and confidence
- Recognition events can update personnel records

SAP S/4HANA & ERP

- Restricted-zone breaches create plant maintenance tickets
- Live occupancy feeds into HR and facilities capacity flows
- Alert escalation follows your existing SAP rules
- Events map to standard SAP schemas, no middleware

Webhooks & REST

- Salesforce, Slack, PagerDuty, or any homegrown ops platform
- Every detection published as a webhook
- If it can receive JSON, it can receive Aqivon

06 Proven in production

Live across multiple factories and offices. Delivered in 12 weeks. Customer reference available on request.

99%+

Recognition accuracy, up from 80 to 90% with manual processes

~150_{ms}

Recognition latency, per face, real-time

90%

Reduction in manual monitoring effort

Hrs → 15_{min}

Incident detection time

2-3_m → <2_s

Identity verification per employee

20-40%

Operational cost reduction

07 Common deployments

▶ Attendance & access control

Facial recognition with HRMS sync. Replaces badges and kiosks. Anti-spoofing prevents buddy punching.

▶ SOP & safety compliance

PPE, restricted-zone, operator-level audit logs into QMS or SAP. ISO-audit ready.

▶ Quality inspection on the line

Pass/fail flagging and variance detection. Quality events into SAP quality records.

▶ Security & intrusion operations

After-hours and restricted-area detection. Auto-tickets in NetSuite or SAP plant maintenance.

Two cameras. Two weeks. No commitment.

Start the pilot at aqivon.com. We respond within one business day. If the pilot doesn't catch what we said it would, we walk away. No invoice. No equipment to return.

aqivon.com →