



a.weber@faytech.com | +4917626306769

TRANSFORM YOUR BUSINESS & MANUFACTURING WITH INTELLIGENT AI RECOGNITION & TRACKING

The FayTech AI Vision System provides comprehensive visual intelligence for your business & production environment, delivering real-time insights across machine integration, assembly line operations, supermarket shelves or a whole host of applications, including with a clear path to fully automated factory operations.



START YOUR AI AUTOMATION TODAY!

Transform your business operations & manufacturing with proven AI technology that delivers measurable results from day one.

Contact us for an implementation consultation!

WHY FAYTECH



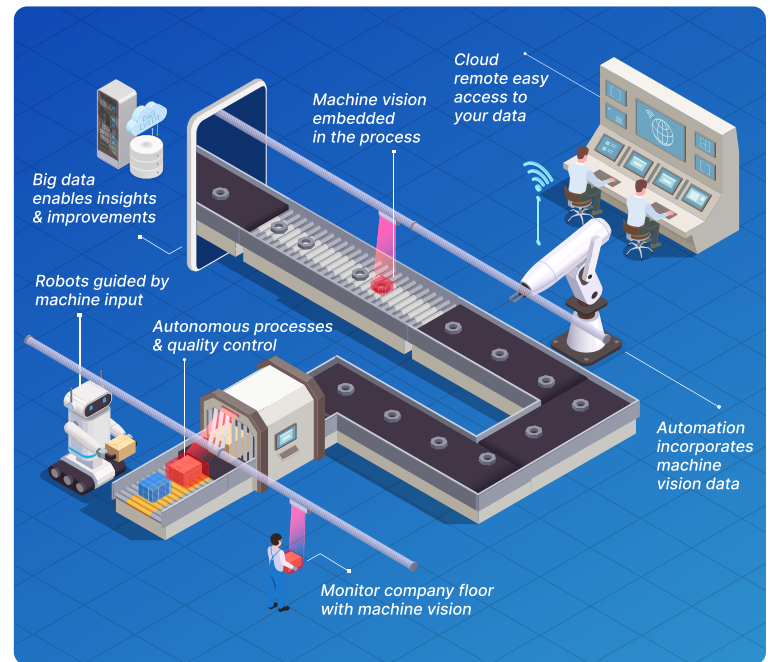
Cameras can be daisy-chained together



Optimized for low-bandwidth environments



Integrated AI-chip for faster processing



ROI ORIENTED OPPORTUNITY

- Spot issues early → reduce waste and rework
- Track cycle times → identify efficiency gaps
- Monitor safety zones → avoid costly incidents
- Optimize workflows → increase first-pass yield
- Scale from one line to multiple plants seamlessly

TECHNICAL SPECIFICATIONS

POWERFUL AI PROCESSING & HARDWARE CONFIGURATION

- Amlogic A311D Module: 5 TOPS (Trillion Operations Per Second) Neural Processing Unit
- Framework Support: TensorFlow image classification, PyTorch, Caffe, Keras, and ONNX models
- Camera Options: 8MP to 48MP resolution with YUYV raw data support
- Scalable Performance: Up to 80 TOPS additional processing via M.2 AI-acceleration cards

FayTech AI Vision System

Easy Implementation. Cost Efficient. Immediate Results.

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SELECTED INDUSTRIES & USE CASES

AI Vision that is applicable across multiple sectors & industries

Supermarkets & Retail Chains

Keep shelves stocked, cut losses, and put staff where they're needed most. Cameras check prices and labels, watch queues, and confirm layouts match the plan. Works across every store and warehouse, turning daily activity into simple forecasts, comparisons, and alerts tied to your goals.

Warehousing & Logistics

Count pallets and boxes, confirm loads are right, see bay backups in real time, and verify the correct items were picked and packed. Fewer mistakes, shorter waits. From a single site to your whole network, get easy dashboards on delivery timing, accuracy, pace, and safety.

Insurance Carriers & TPAs

Check properties with photos, video, and drone shots; spot roof damage; sort auto claims; flag red flags; and map storm or fire risk. One shared platform for your teams that turns image piles and claim files into clear timelines, scores, and next steps—so decisions are faster and losses lower.

Automotive & Electronics Manufacturing

Spot defects as they happen, confirm each step is done right, track parts by their labels, and ensure bolts are properly tightened. More first-time passes, less scrap, smoother lines. Scales from one line to many plants with clear views, early warnings, and simple actions for teams.

Construction & Industrial Sites

Make sure people wear the right gear, keep workers out of danger zones, track equipment use, and see if work is on schedule. Company-wide views highlight safety risks, delays, and idle time using site cameras and drone images allowing managers act before small issues become big ones.

Ports, Airports & Rail

Read container IDs, grade damage, track yard stock, catch debris on runways, and smooth passenger flow. A network-wide view shows turn times, gate and stand use, and safety risks—helping crews move goods and people faster with fewer incidents.

Quick-Service Restaurants & Hospitality

Check kitchen hygiene, keep lines running, watch food holding times, and track queues to speed up service. Results from every location roll into clear reports on speed, compliance, and staffing—so managers can improve the rush without extra stress.

Livestock Operations

Count animals automatically and keep an eye on health, feeding, and movement—spotting lameness, stress, or illness early, no tags required. Scales from barns to paddocks with clear reports on growth, feed use, and health trends, plus early warnings you can act on.

Agriculture Producers

See what's happening in the field: find weeds, count fruit, estimate harvest, catch disease sooner, and fine-tune watering. Roll up photos and sensor readings into plain-English summaries and practical predictions for each plot, orchard, and season.

Smart Cities & Transportation

Measure traffic, catch illegal parking, and detect crashes or hazards as they happen. Understand how curbs, loading zones, and drop-offs are being used. Citywide maps and alerts highlight jams, risky spots, and rule-breaking so you can fix issues quickly and keep people moving.

Pharmaceuticals & Medical Devices

Check fill levels, find stray particles, verify seals, confirm labels and lot codes, and catch any tampering. Expect fewer defects and better batches. A single platform supports multiple lines and sites with easy dashboards, trends, and alerts to stay compliant.

Energy & Utilities (Grid/Renewables)

Spot hot spots and leaks, see trees creeping toward lines, and find dirty solar panels or wind-blade damage. Fleet-level tools show where outages may happen, where output is slipping, and what to fix first to keep energy flowing.

Recycling & Waste Management

Identify materials on the belt, score purity, and guide pickers or robots to choose the right items. Plant-wide insights show purity, speed, and contamination so recovery rates climb and costs drop.

Mining & Heavy Industry

Watch truck loads to avoid overfill, warn when vehicles get too close, catch conveyor issues early, and measure stockpiles accurately. Operation-wide dashboards provide early warnings on safety and downtime, plus straightforward metrics on output and productivity.