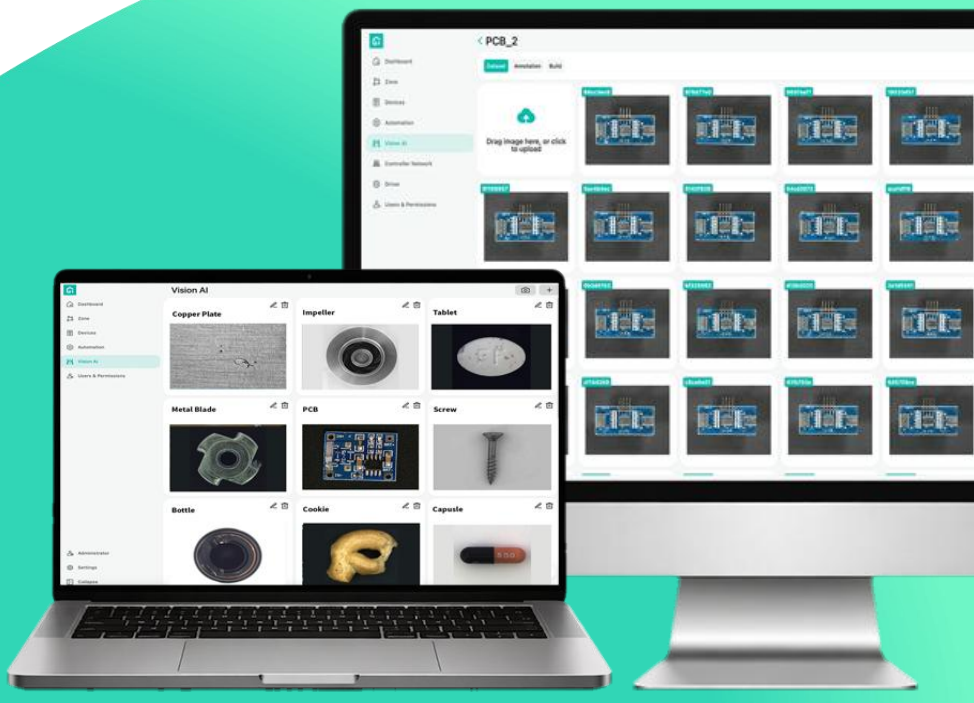
EVVR



NEXT-GEN INDUSTRIAL VISION

EVVR OS

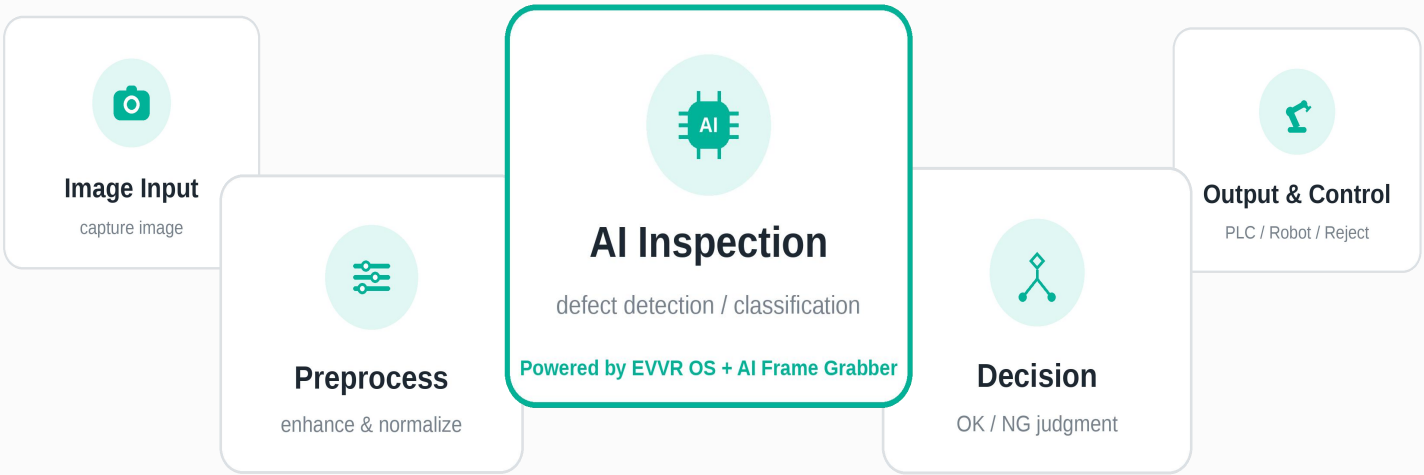
Deploy AI inspection within hours

- Integrated end-to-end AI vision system
- Train with minimal data | No Coding | In-line Training
- Powered by EVVR AI frame grabber

Introduction

EVVR OS is an integrated AI vision system that unifies optimized software and dedicated AI acceleration hardware (AI Frame Grabber-4PE) into a single, deployment-ready solution for industrial inspection.

It enables image capture, real-time AI inspection and decision-making in one unified system — fast to deploy, easy to use, and scalable across production lines.



Industrial AI Vision System

Runs exclusively on EVVR AI Frame Grabber for optimal performance

No complex setup or hardware selection required

Delivers real-time, low-latency industrial inspection

Reduces deployment time and engineering effort on production lines

Key Capabilities

Few-Shot Learning

Train high-precision detection models with minimal samples. No large samples required; Accelerate model deployment within hours.

Drag-and-Drop Creator

Intuitive graphical UI with modular components. Operators can easily build vision inspection workflows via drag-and-drop without any programming skills.

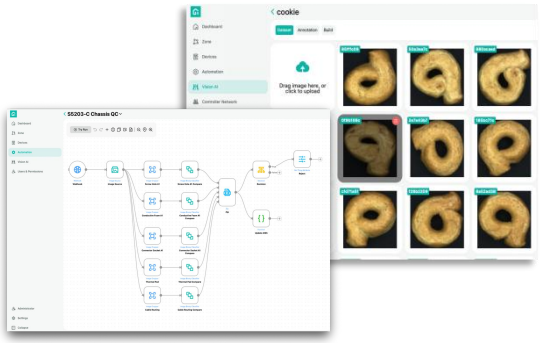
Text to Automation Flow

Use our AI Copilot to generate and adjust detection rules with natural language. Rapidly build, modify, validate and optimize inspection tasks with ease.

Local & In-line Model Training

Train and optimize models on-site without stopping production. Update models with actual production data in real time.

Why EVVR OS



EVVR OS redefines AI inspection with no-code simplicity, rapid deployment, and production-grade precision.

It brings AI to production quickly and affordably, deploy across lines with minimal effort and stable, long-term performance.

EVVR OS

- ✔ No coding required
- ✔ Works with minimal samples
- ✔ Deploy in 2–4 hours
- ✔ Changeover in <2h

Proven Results:

- **ROI in 6–9 months**
- **+15% Yield Improvement**
- **<1% Miss Rate**

Traditional Machine Vision

- ✘ Rule-based setup
- ✘ Complex engineering
- ✘ Slow reconfiguration
- ✘ Limited scalability
- ✘ Requires constant manual tuning

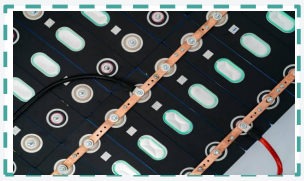
Deep Learning

- ✘ Large datasets required
- ✘ AI expertise needed
- ✘ Long deployment cycle
- ✘ Retraining for changes
- ✘ High cost & complexity

Applications

EVVR OS is widely used in manufacturing and automated lines. Ideal for multi-station, high-speed and flexible production, as well as retrofitting and smart factory applications.

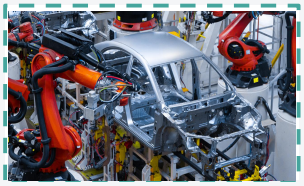
Battery



> Pole tab detection
> Final battery visual inspection
> PACK assembly inspection

15%+ Yield Improvement

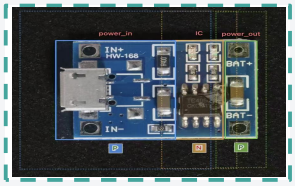
Automotive



> ECU component detection
> Missing/misassembled parts
> Body & final assembly check

< 1% Miss Rate

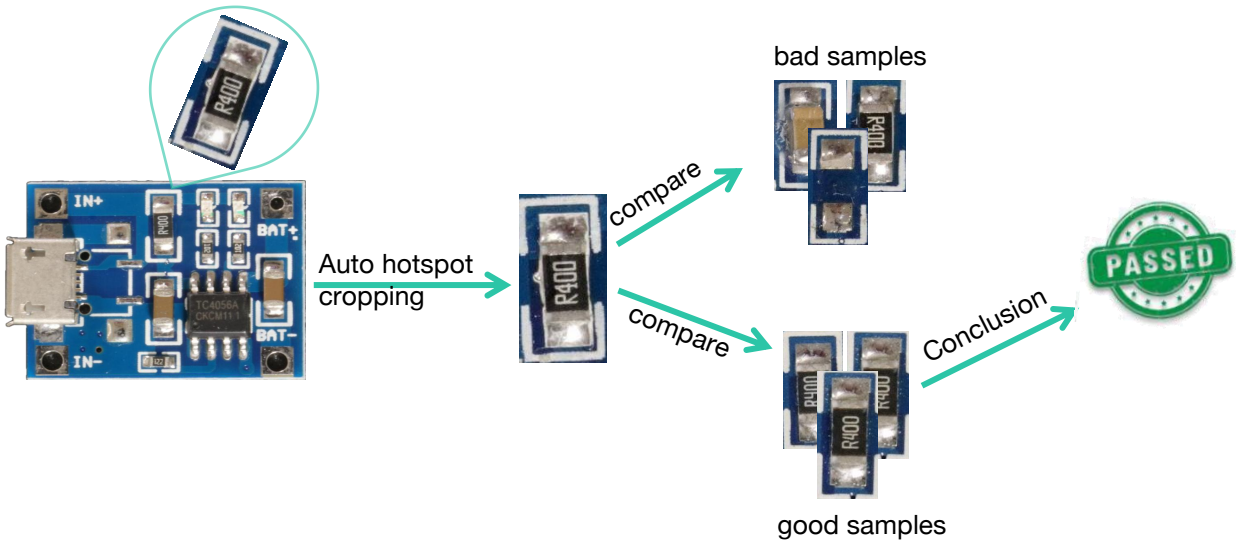
PCB



> Solder joint detection
> Component placement
> Multi-model support

< 2h Changeover

Real time Capture, Detect & Decide.



EVVR

Book a demo

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