



CAPS Cross-Platform AI Powered Solutions

AIVO

by MICROIP

AIVO is an intelligent AI modeling and workflow design tool that combines a user-friendly interface with a no-code operating approach.

MICROIP is a global leader in IC design services, specializing in high-performance, low-power chip design and performance analysis. It offers innovative solutions across AI, IoT, industrial automation, and automotive electronics. Through its "Designless" model, MICROIP enables clients to achieve custom ASIC designs, significantly reducing time-to-market and resource demands, establishing itself as a major driving force in the global semiconductor market.

Driving Innovation in AI & ASIC Design.

MICROIP's mission is to empower enterprises with next-generation chip design solutions that integrate AI, IoT, and custom semiconductor technologies. By leveraging cross-platform AI software and ASIC development expertise, the company helps customers overcome scalability, efficiency, and system integration challenges in the evolving semiconductor market.

AIVO V1.0



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Application Scenario

A comprehensive AI monitoring solution that perfectly fits the application needs of various environments.

On a user-friendly, no-coding GUI, users can create and optimize AI models according to their needs. Combined with MICROIP RPA system, it offers users high flexibility, making complex project structures easy to complete.



SOP monitoring & detection

This solution is designed for factories to ensure that operators comply with company-defined SOP. It also simultaneously monitors cycle time and establishes a real-time alert mechanism.

Features: Monitors operator behavior to ensure adherence to SOPs.

Area: IQC, OQC, Assembly Line

Benefits:

- Cost saving for monitoring with reliable AI solution.
- Comprehensive Data Recording, ensures process accuracy and traceability.
- Immediately notifies abnormalities to ensure real-time alerts.
- Allows modifications and additions to SOPs, possessing scalability.

Smart Cockpit AI empowered DMS+OMS

AI is revolutionizing automotive safety, and we are committed to protecting drivers and passengers. Using AI recognition and streaming technology, we enhance in-car safety, assist drivers, and integrate with alert systems. Additionally, our technology monitors the back seat to prevent children from being left behind, an instant notification will be sent to designated personnel (such as parents).

Area: Smart Cockpit

Application: Children Left Behind, Seatbelt Reminder, Fatigue Driving, Distracted Driving

※Compliant with EU regulations



Environmental Monitor System

Using AI technology to assist enterprises in environmental safety management through fixed-point and scheduled detection. By utilizing camera systems and sensors to capture images and signals, and then analyzing the data through AI algorithms, it is possible to monitor factory emissions, water quality, and ensure that the enterprise complies with environmental safety regulations.

Target: Factory Operations, Environmental Safety

Features: AI-driven Image Monitor, Signal Monitor, Prediction