

## About ASUS AISVision 365

AISVision 365 is a browser-based AI vision platform with built-in tools for data labeling, model training and inference. It accelerates AI deployment and improves inspection accuracy for industrial applications, with support for both cloud and on-premises use cases.



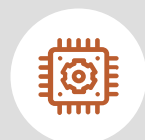
### Low-Barrier Proof-of-Concept Cloud Service

No hardware or AI expertise is needed, so users can start validating models quickly.



### Manufacturing-Optimized Model

More than 100 real-world industrial datasets have been used for training.



### Always Up-to-Date

Cloud-based architecture means the latest features will always be available, with no updating required.



### Affordable & Flexible

Entry costs are low, with flexible deployment and support for customization and secondary development.



### Enterprise-Ready

Fast AI deployment, enhanced efficiency and easily-scalable availability amount to expansive benefits.

## Cloud & On-Premises Support

- Compatible with major cloud providers (e.g., Azure)
- Compliant with modern cybersecurity standards
- Versions available on-premises for sensitive data protection

## Elevate Business with ASUS IoT

ASUS Internet of Things (AIoT) focuses on delivering best-in-class products and services across the manufacturing, retail, and healthcare markets. We collaborate with customers to develop application-oriented solutions. By combining high-quality ASUS hardware with cutting-edge artificial intelligence (AI) technology, we create and deploy diverse AI solutions.

<https://iot.asus.com/tw/>

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**ASUS IoT**

# AISVision 365

The First Step Toward a Scalable, Data-Driven AI Vision

**An all-in-one AI vision platform for rapid activation, flexible deployment, and continuous evolution.**



### Instant Access, Zero Installation

Use AISVision 365 directly from your web browser — no setup needed. Just register and log in to start immediately.



### Agile Upgrades, Continuous Innovation

This platform is updated regularly with new features and workflows to meet evolving industry needs.



### Versatile AI Models for Industrial Applications

AISVision 365 supports classification, segmentation and detection of anomalies and objects, with pretrained models tailored for different industries.

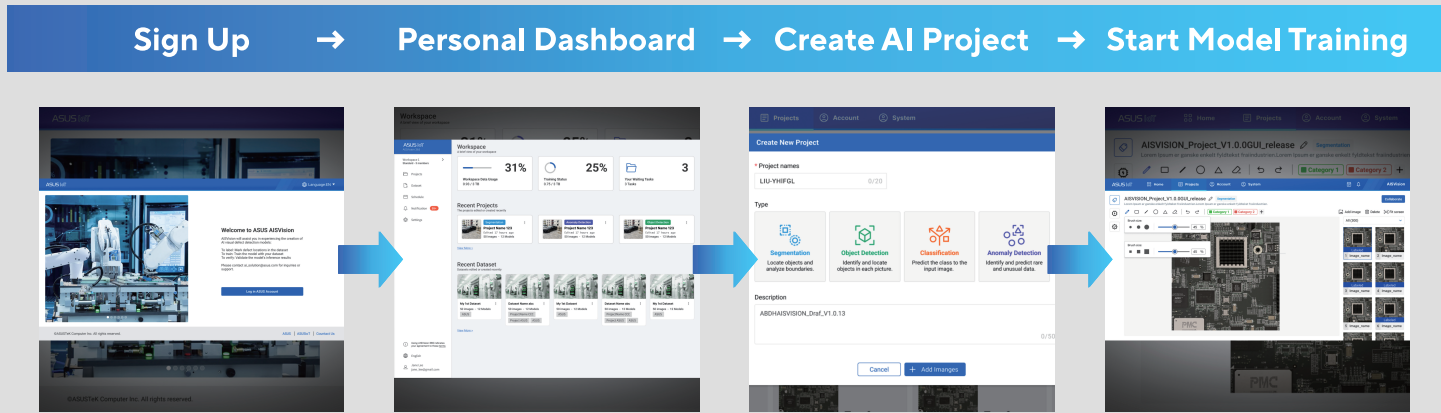


### Flexible Deployment, from Cloud to Edge

Train in the cloud or on-premises, with lightweight inference tools available for various production needs.



Process Flow



Application Cases

Case 1 Robotic Arm Grasping & Multi-Angle Inspection

Laptops and servers feature complex shapes and non-standard components that traditional automated optical inspection (AOI) systems struggle to inspect effectively.

ASUS Solution

AISVision with robotic arms enables :

- **Multi-Angle AI Inspection** : Real-time image capture from multiple angles is provided by optical modules.
- **Rotated Object Detection** : Oriented object detection guides robotic grippers to handle irregular parts accurately.



Case 2 Integrated AI Inspection System

Traditional AOI systems often misjudge complex welds and irregular defects, causing high false rejection rates.

ASUS Solution

AISVision 365 integrates seamlessly with existing inspection equipment to improve accuracy and efficiency.

- **Metal Component Inspection** : False rejections are reduced from 70% to under 10%, with up to 98% AI accuracy.
- **Precision Machining Inspection** : Weld and lighting variations are handled by a four-step model training process, reducing false rejections to 0.5%.
- **Flexible Integration** : The 365 platform is compatible with existing equipment, enabling quick deployment across production lines.



Case 3 Food Packaging Automation

Food production demands hygienic, efficient and consistent inspection, with minimal manual intervention.

ASUS Solution

AISVision 365 enables fully automated visual inspection through industrial PC and system integration.



- **Foreign Object Detection** : This feature helps ensure contamination-free operation in smart coffee machines.
- **Packaging Defect Detection** : Deep learning and optical character recognition is leveraged to detect air bubbles, leaks and label errors.
- **Seamless Integration** : Deep integration with industrial equipment enables rapid deployment across food production lines.

System Architecture

