

Key Value Highlights

Designed for: Engineering Colleges | Universities | AI & Robotics Labs | Centers of Excellence

01

Industrial-grade hardware

Features robust industrial cameras, precision optics, and powerful GPU & Edge AI systems for realistic, hands-on learning that mirrors industry standards.

02

End-to-end AI workflow

Covers the complete process from image acquisition and dataset creation to AI model training and real-time deployment on embedded hardware.

03

PC + Edge AI learning

Students gain experience on both powerful GPU workstations for training and resource-constrained embedded edge AI systems for deployment.



From Pixels to Production AI

An integrated hardware and software platform that bridges the gap between academic learning and industrial application in artificial intelligence and machine vision.

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* Specifications are subjected to change

ONLINE SOLUTIONS The Solution Sellers
Since 1995

Online VisionAI Lab



Complete AI Machine Vision Education & Deployment Kit

VisionAI Lab™ is an industry-grade AI Machine Vision education platform designed for engineering institutes and universities. It enables students to acquire real images using industrial cameras, train AI models on GPU systems, and deploy them on embedded edge AI hardware—mirroring real-world industrial workflows.

What's Inside Online VisionAI Lab



Hardware

- Industrial USB3 Camera (5 MP) & Optics
- Controlled Imaging Setup
- GPU Training Workstation
- NVIDIA Jetson Orin Nano super



Software

- Neuro-EDU AI Training Software
- Neuro-EDU Runtime
- Spinnaker SDK (Windows & Linux)
- Sample datasets & lab exercises

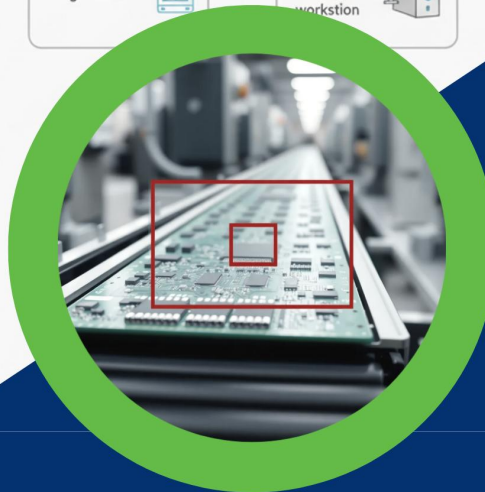


Learning Resources

Includes comprehensive curriculum materials, sample datasets, and ready-to-use lab exercises to accelerate learning and project development.



Online VisionAI Lab



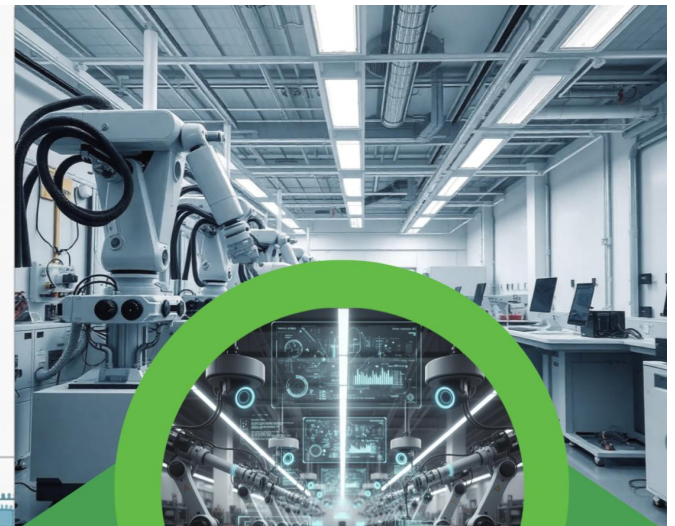
Example Applications

Ready-to-deploy AI Machine Vision lab supporting outcome-based education, research, and Centers of Excellence.

Apply learned skills to solve real-world industrial challenges, from automated quality control on production lines to object recognition and sorting, including defect detection, object classification, and vision-based inspection.

Upgrade paths | Faculty training | Curriculum support | AMC options |
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Key Learning Outcomes

Academic Value with industrial experience

- Industrial imaging fundamentals
- Dataset creation using real cameras
- AI model training and evaluation
- Edge deployment and benchmarking