The New Generation of AI Solution
No-Code AI Vision Platform

VHub AI Developer Premium

V'Hub
AI DEVELOPER PREMIUM

Protective
Equipment
Detection

Helmet
Work Vest

Helmet 90

Helmet 88

Human Behavior
Analysis-SOPTracking

Left | Right
Total Time: 00:56.8
Wiring Time: 00:24.7
Testing Time: 00:30.8

Work Vest 85

Work Vest 92

Vecow

VHub AI Developer Premium

VHub AI Developer Premium provides a cloud web-based platform for vision AI development, optimized using visual workflows, and a faster way to build AI models without coding. VHub AI Developer Premium is specially designed for smart factory solutions, such as Operator SOP Tracking, Safety Detection, and Intelligent Vision Fencing. With our accumulated experiences and professional techniques, VHub AI Developer Premium helps accelerate the adoption of your own AI application.

''Codeless'' AI Development Platform

Image Labeling　　**Model Training**　　**Model Validation**

Requirement Classification

Inference Model Deploy
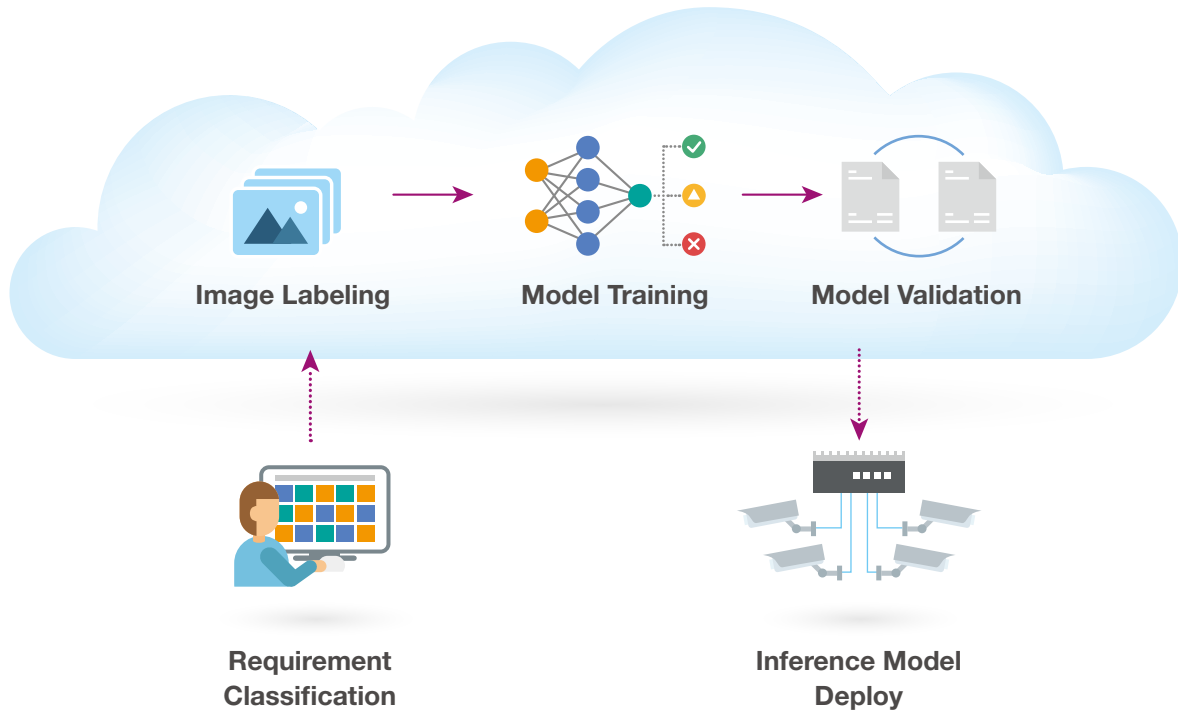
Faster time-to-market for AI Development

VHub AI Develop Premium is a one-stop platform for AI vision development ranging from image labelling to model training and model validation. It allows for model version control, and users can flexibly adjust the setting to cater to applied models according to spot scenarios.

Simplified Development
No-code platform and user-friendly interfaces

Easy Deployment
One-stop solution for inference server

Speedy Modeling
AutoML Technology for Fast Customization

System Integrations
IoT/ERP/ WMS system Integration

80% Off
Save total development time

30% Off
Increase system deployment efficiency
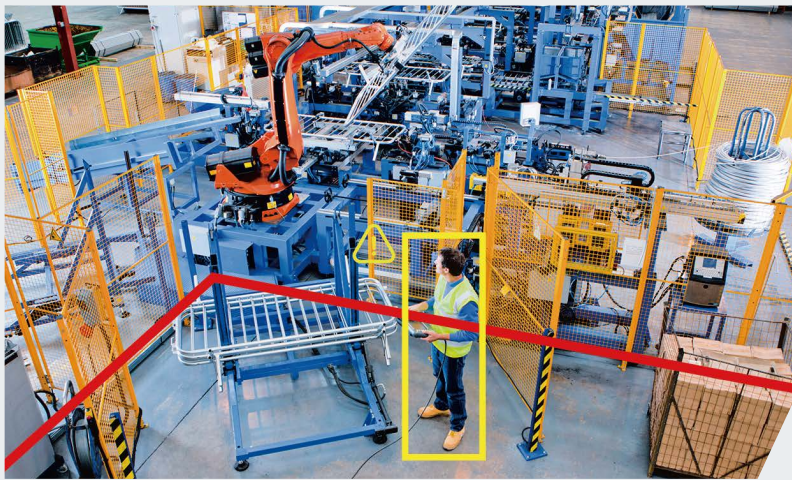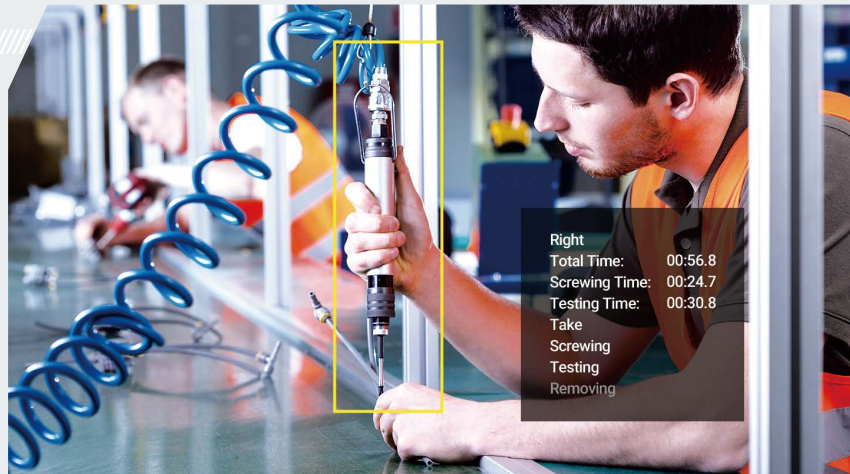
50% Off
Enhance model training productivity

Application Scenario

CASE STUDY 1

Human Behavior Analysis-SOP Tracking

Many factories are facing problems with collecting real-time production data when it's operated by a human. In the past, many manufacturers used to audit SOP compliance by manual monitoring, but it takes a lot of labour costs to implement through all the production lines. This solution speedily provides information on the exact cycle time and quality. This also ensures operators follow SOP to manufacture.

Right
Total Time: 00:56.8
Screwing Time: 00:24.7
Testing Time: 00:30.8
Take
Screwing
Testing
Removing

CASE STUDY 2

Intelligent Vision Fencing

There are many danger zones in the factory, such as chemical tanks or AGV mobile routes, where occupational safety accidents are likely to occur when employees accidentally enter. With the aid of the electronic fencing solution, factory managers can do quick identification and notify personnel on site. Such application can also be found in many infrastructures such as hospitals, bus stations, schools, airports, etc.

CASE STUDY 3

Protective Equipment Detection

Nowadays, high frequencies of industrial safety accidents are usually due to the fact that personnel do not wear personal protective equipment. Therefore, by means of protective equipment detection, we can confirm whether or not employees are properly wearing them before they enter the operation zone, and this greatly reduces the risk and likelihood of accidents.

Yellow Helmet
Yellow Helmet
Mask
Mask
Yellow Vest
Yellow Vest
Mask
Yellow Vest

Helmet
Check 1
Mask
Check 2
Work Vest
Check 3

CASE STUDY 4

Flame & Smoke Detection

Fire accidents are usually catastrophic because fire disperses immensely within short time. This explains why the need for fast and reliable some detection is necessary. Although smoke detectors are available in most fields, more protection measures are still needed. For example, in areas with high ceilings(higher than 3.6 meters), being able to detect the fire before a distant smoke detector functions can attain more valuable response time. This solution can significantly alleviate financial loss for business sides.

AI Ready Inference Systems

Starter Kit
EVS-2000

- 10th Generation Intel® Xeon®/Core™ i9/i7/i5 Processor (Comet Lake)
- Fanless AI Computing System with Intel
- W480E & Compact NVIDIA®, 3 COM RS-232/422/485, PCI/PCIe Slot, 32 Isolated DIO
- DDR4 32GB RAM
- 512GB M.2 PCIe SSD, HDD 1TB x2

Deployment Kit
EAC-3000

- Small form factor NVIDIA® Jetson AGX Xavier™ supports up to 32 TOPS AI Fanless -20°C to 70°C operation performance
- 4 GigE LAN with 2 PoE⁺, 4 USB 3.1, 1 Digital Display
- Storage : M.2 PCIe NVMe SSD, External Micro SD
- DC 9V to 50V wide range power input

Development Kit
ECX-2400 PEG

- 10-core 10th Gen Intel® Xeon®/Core™ i9/i7 Processor
- NVIDIA® Tesla®/Quadro®/GeForce® graphics card delivers leading AI computing productivity by advanced NVIDIA® CUDA® cores
- 6 Independent GigE LAN with 4 IEEE 802.3at PoE⁺
- DDR4 32GB RAM
- 512GB M.2 PCIe SSD, HDD 1TB x2

Titan Kit
RCX-2330R PEG

- Workstation-grade Platform : 8-core 11th Gen Intel® Xeon®/ Core™ i7/i5 Processor (Rocket Lake-S) running with Intel® W580 chipset
- Supports max 750W power for NVIDIA® graphics card
- Expansion : 3 PCIe, 2 Mini PCIe, 1 M.2 Key E, 1 M.2 Key B
- Multiple 5G/WiFi 6/4G/LTE/GPRS/UMTS, TPM 2.0, vPRO
- DDR4 32GB RAM x2, 512GB M.2 PCIe SSD, HDD 2TB x4

How to Start?

1 Upload the Video & Online Labeling

2 Training Model by Automatic Scheduling & Make the Limited Conditions

3 Check the Model Accuracy by POC Video

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