



# RENITY AIR

**An Artificial Intelligence solution ideal  
for Object Recognition and Classification**

- **Fast and Accurate to Detect and Recognize products**
- **Easier to training AI and use without Experts**
- **Reduce the training cost of the new employee**
- **Economic, Efficient, and Low Total Cost of Ownership**

# RENITY AIR

AIR is an intelligent solution for helping customers detect and recognize the products and materials in Retail, Industrial, and Medical industries.

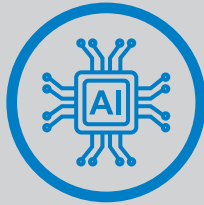
AIR can increase the efficiency & accuracy and reduce the employee training cost for various industries.

## Product Benefits



### Simple

Only Need 3 Images for Training  
Intuitive User Interface & Experience



### High-Speed

Edge Computing  
Recognize in 1 Second



### Flexible

All in One or Standalone  
Easy Integration  
API Available



### Affordable

Lower TCO  
No Need for Permanent Internet Connection

## Product Packages



### All in One

w/ Touch Monitor 18.5" + 15.6"



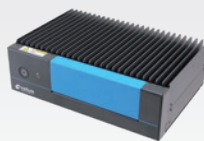
### Flexible

Panel PC w/Camera Kit



### Lite

Camera Kit with SDK for customers integrate with their products



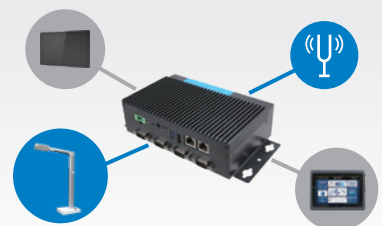
### EPC-WHL

8th Gen Intel® Whiskey Lake Fanless Tiny System



### BMX-P54S-Q17K

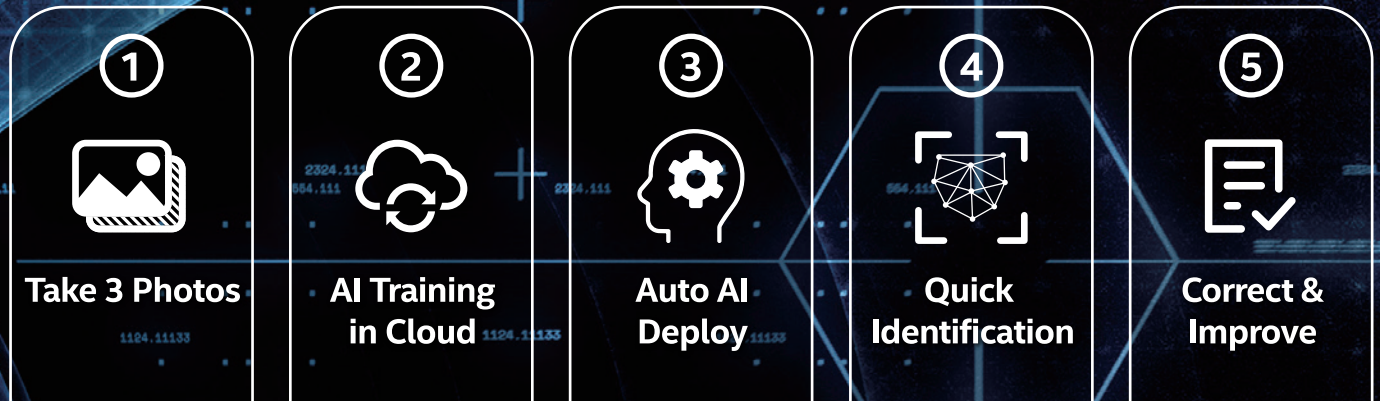
Mini Server with 4 hot-swap drive bays



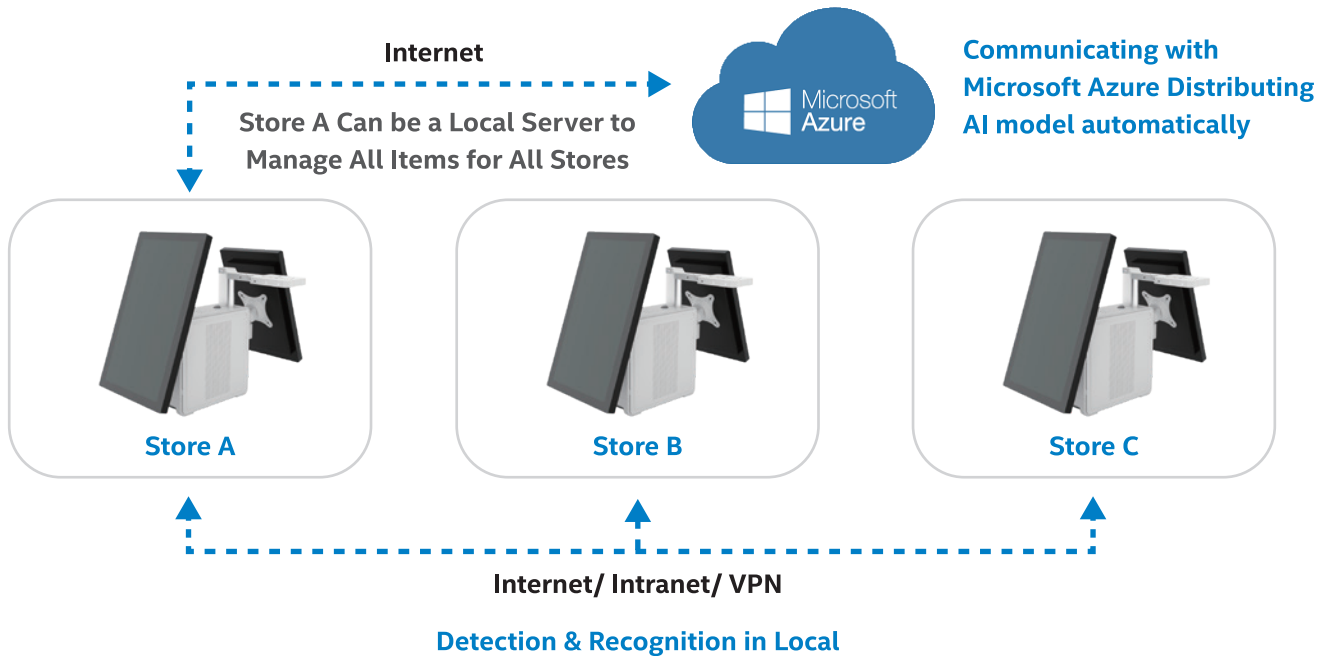
### RENITY AIR DC

# Easy to Use only need Five steps

- Easy to Maintain & Deploy
- AI Training without Experts



## Product Architecture



## Product Benefit & Comparison

RENITY AIR		Others
Deep Learning	Algorithm	Compare with Color/ Sharp Characterizes
Cloud & Edge	Architecture	Edge Only
3 Photos Only	AI Training Request	Over 30 Photos
Pay As You Go	Training Cost	Annual/ Monthly Fee
Easy to Integrate with Existing HW	Cost of HW	Need to Replace a New Set

# RENITY AIR DC (Distributed Computing) Flexible and Competitive Solution

RENITY AIR DC is a solution consisting of powerful AIB-NW01 and control devices, which is adaptable to a variety of use cases.



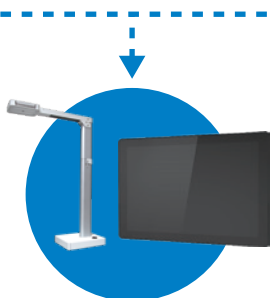
AIB-NW01



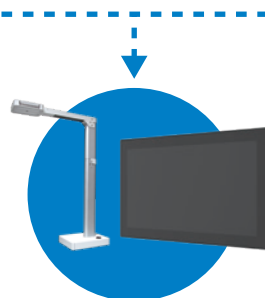
Support up to 4 Consoles



CAXA0



ARC



RIVAR



APC

- Cost effective architecture
- Provides APIs to integrate into other systems

## AIB-NW01 GPU System Features



### AIB-NW01

Compatible with NVIDIA® JETSON™ Nano & Xavier NX

High AI computing performance for GPU-accelerated processing

Ideal for intelligent edge applications

USB3.0 Type A x4 / Gigabit LAN x1 / RS232 & RS485 x2 / HDMI x1

# All in one semi-self ai checkout solution



In Japan, many bakeries have used RENITY AIR, and the checkout process now takes only four steps.

**1**  
Place the bread under the lens

**2**

In less than one second, RENITY AIR is able to recognize objects

**3**


Make sure the product item and checkout amount are correct

**4**


Complete checkout with the semi-selfcheckout machine




## Success & Use Cases




### Bakery



- Reduce employee training time
- Improve employee working efficiency
- No more queues and shorter checkout times



### Food Delivery



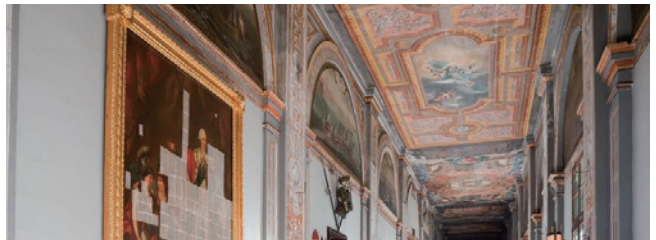
- Detect Product and Recognizing Receipt in One Step
- Check order items and product
- Keep accurate records




### Supermarkets




- Easier to integrate with POS system
- Detect Product and Measure Weight in One Step
- Keep accurate record for Type, Weight, Date/Time and Photos




### Museum



- Accurate and Fast to recognize an item
- Only need a short period of time for training
- Keep accurate record for Name, Date/Time and Photos



### Industrial Maintenance



- Detect tools and Compare with task in One Step
- Low learning curve for supporting technician
- Improve stable maintenance quality does not depend on the experience of the technician.



### Surgery Room



- Supporting the preparation process
- Detect tools and Comparison in One Step
- Keep accurate record for Tool pack, Date/Time