avalue
Technology Inc.

RENITY AIR

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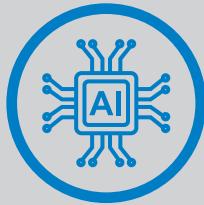
AIR can increase the efficiency & accuracy and reduce the employee training cost for various industries.

Product Benefits

Simple
Only Need 3 Images
for Training
Intuitive User Interface
& Experience

High-Speed
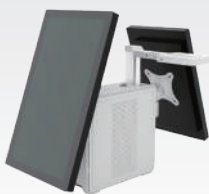Edge Computing
Recognize in 1
Second

Flexible
All in One or
Standalone
Easy Integration
API Available

Affordable
Lower TCO
No Need for
Permanent Internet
Connection

Product Packages
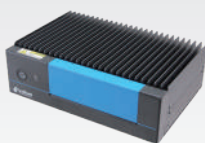
All in One
w/ Touch Monitor 18.5" + 15.6"

Flexible
Panel PC w/Camera Kit

Lite
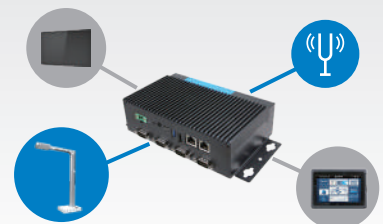Camera Kit with SDK for customers integrate with their products

EPC-WHL
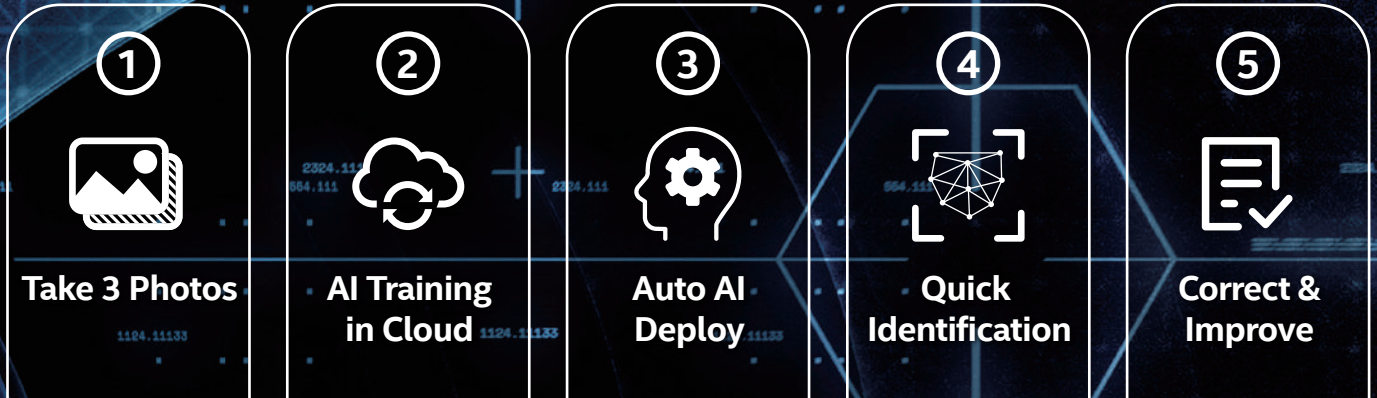8th Gen Intel® Whiskey Lake
Fanless Tiny System

BMX-P54S-Q17K
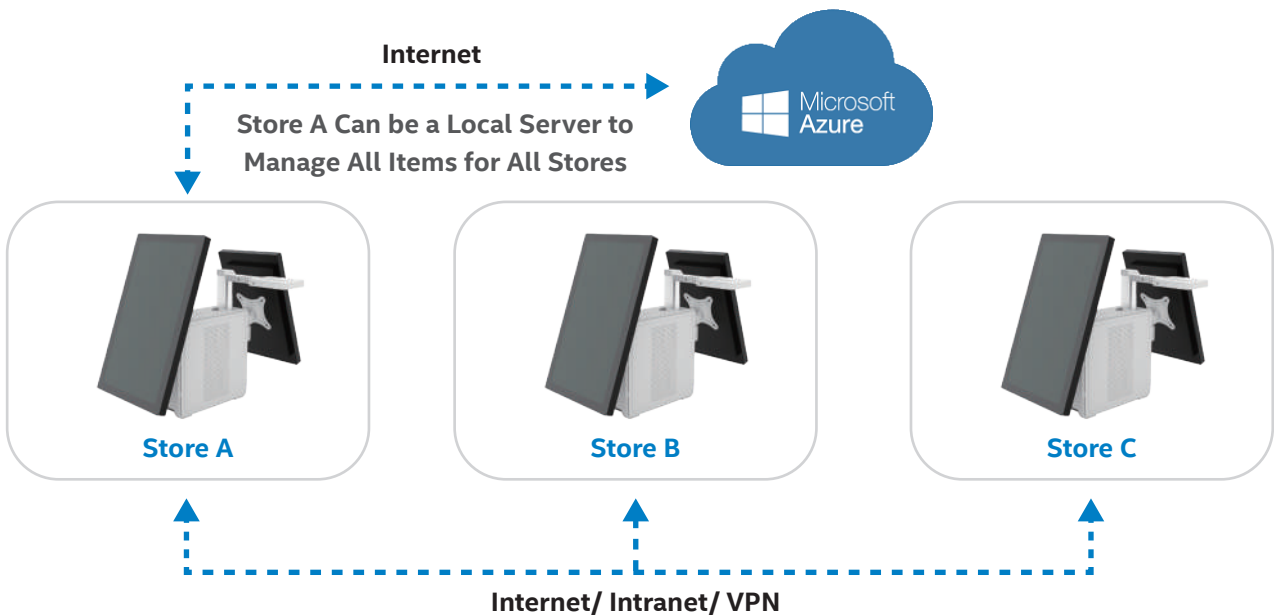Mini Server with 4 hot-swap
drive bays

RENITY AIR Plus

- **Easy to Use**
- **Easy to Maintain & Deploy**
- **AI Training without Experts**

①	②	③	④	⑤
Take 3 Photos	**AI Training in Cloud**	**Auto AI Deploy**	**Quick Identification**	**Correct & Improve**

Product Architecture

Internet

Microsoft Azure

Store A Can be a Local Server to Manage All Items for All Stores

Store A   **Store B**   **Store C**

Internet/ Intranet/ VPN

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

Success & Use Cases

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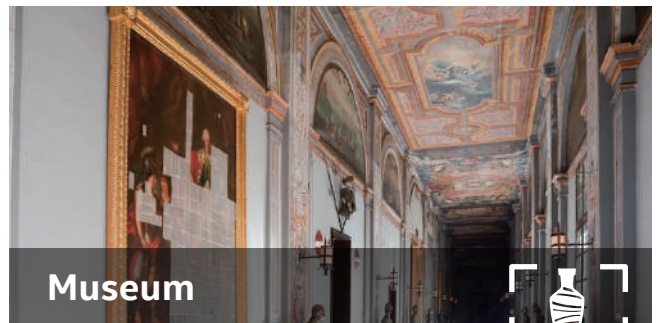- No more queues and shorter checkout times

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