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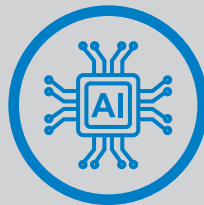
AIR can increase the efficiency & accuracy and reduce the employee training cost for various industries.

Product Benefits

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

High-Speed
Edge Computing
Recognize in 1 Seconds

Flexible
All in One or Standalone
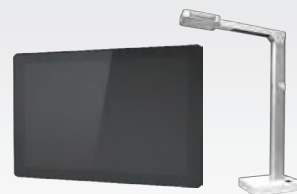Easy Integration
API Available

Affordable
Lower TCO
No Need for Permanent Internet Connection

Product Packages

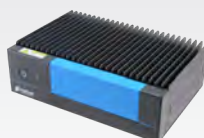### All in One
w/ Touch Monitor 18.5"
+ Touch Monitor 15.6"

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
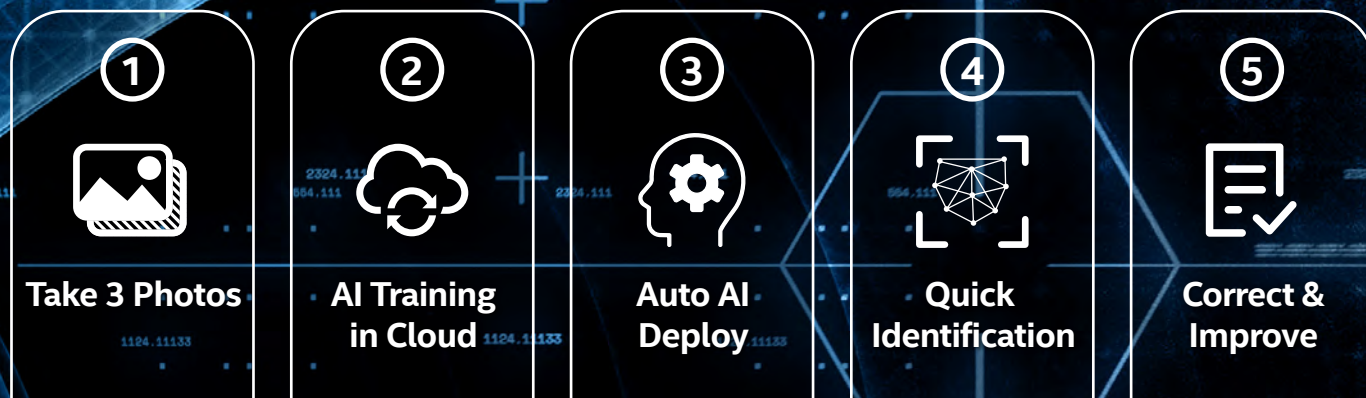Mini Server with 4 hot-swap drive bays

Superior POS Systems
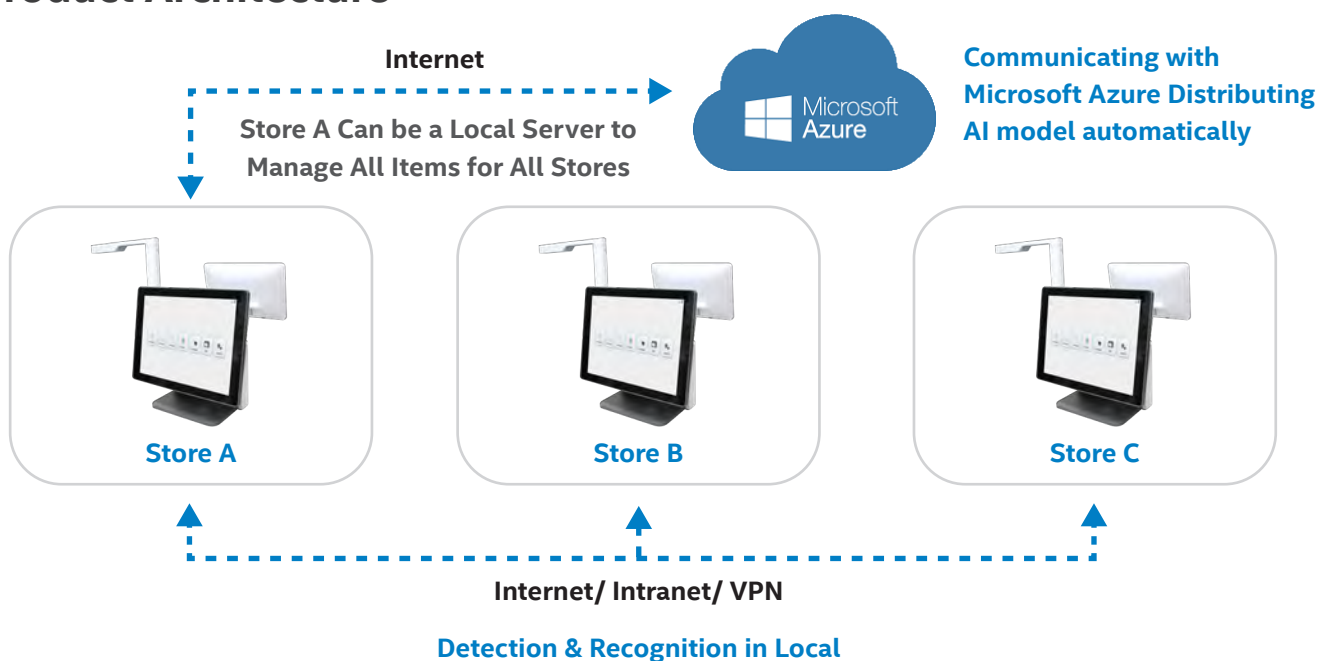w/ Touch Monitor 15"
+ Monitor 10.1"

Easy to Use only need Five steps

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

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

Product Architecture

Internet

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

Microsoft Azure

Communicating with Microsoft Azure Distributing AI model automatically

Store A

Store B

Store C

Internet/ Intranet/ VPN

Detection & Recognition in Local

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

Model No.	AIR-A300	
CPU	Intel® Core™ i5-6500TE	
System Memory	8GB	
Storage	HDD/SSD	128GB SSD
	RAID Function	Support RAID 0/1
Panel	LCD Size	15" / 10.1" TFT LCD (LED backlight)
	Brightness	15" : 400 nits / 10.1" : 250 nits
	Resolution	15" : 1024 x 768 / 10.1" : 1280 x 800
	Touch	True Flat Projected Capacitive Technology
OS	Windows 10	
Dimensions	525 x 718 x 292 mm	
Weight	12kg	

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