



AUCTECH ARVS-SE Series 3D Vision Depalletizing Solution

ARVS-SE Standard Depalletizing Solution Features

1. Supports all pallet types for carton and soft package ▶▶

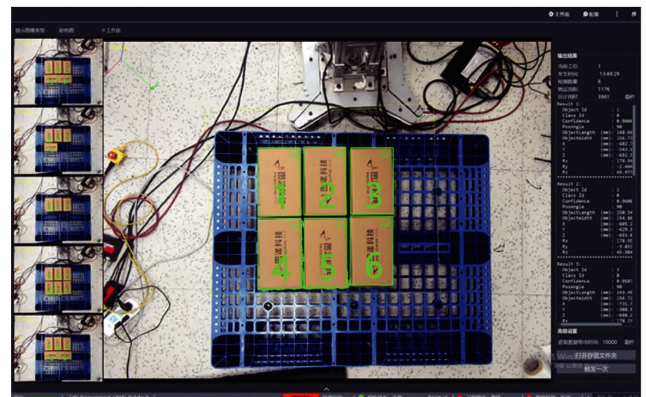
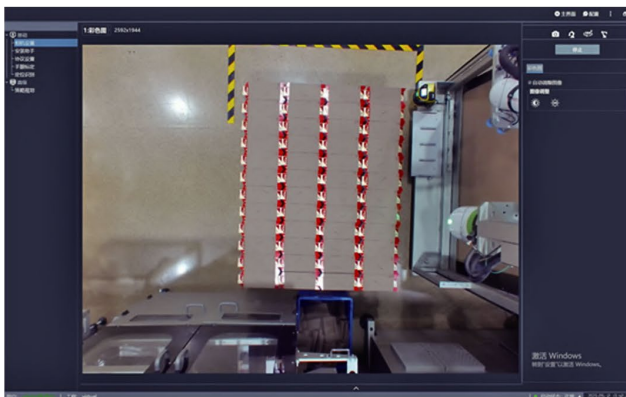


Carton Depalletizing



Soft Package Depalletizing

2. Zero-code software – extremely easy to deploy and maintain ▶▶



3. Two camera configurations to cover different application scenarios ▶▶



The System Deployment Process

Install 3D camera and
deploy industrial PC



Configure SE software, check image quality,
and verify recognition accuracy



Interface with robot
communication



Official go-live



Reliability Testing



Positioning test and pick
accuracy verification

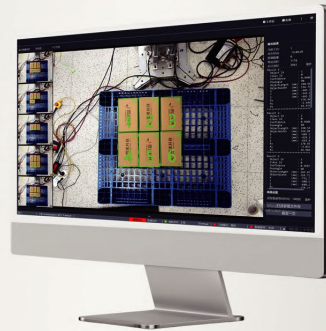


Hand-eye calibration

ARVS-SE Solution Components



3D Camera



ARVS-SE Software

Camera Config

ARVS-SE-A

ARVS-SE-B

Pallet Type

Supports common cartons / flexible bag pallet types (e.g., 1.2 m × 1.2 m × 1.8 m)

Single/Mixed Depalletizing

Standard solution does not support mixed depalletizing

Software Recognition Time

2.3s

1.6s

Cycle Time

Overall cycle time depends on layout, end-effector, and downstream process

Working Distance (from farthest box/bag)

3.5m

3.0m

Communication Protocol

Supports TCP, Modbus, S7 protocols; compatible with various PLCs

Application Scene

Indoor

Indoor

Installation Method

Fixed Mount

Fixed / On Robot Arm

Standard Configuration

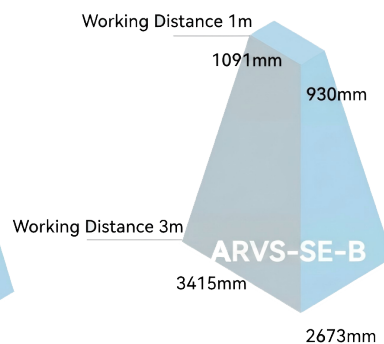
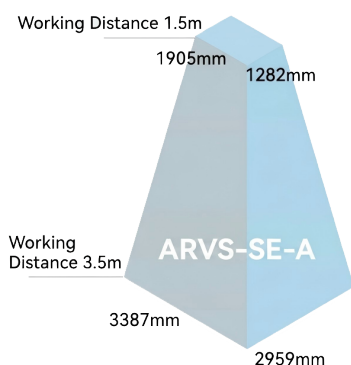
Camera PM806-E1, software,
5m power cable + 5m Ethernet cable

Camera PM815-E1, software,
5m power cable + 5m Ethernet cable

Optional

Industrial PC; calibration board; camera mounting bracket

Field of View (FOV) Diagrams



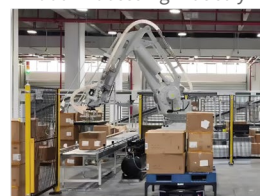
Applicable Industries:



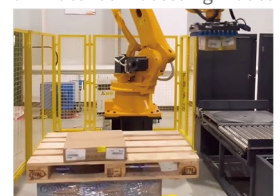
Food Processing Industry



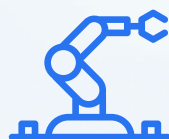
Raw Material Processing Industry



Apparel Manufacturing Industry



E-Commerce & Logistics Industry



AUCTECH Makes Human Life
and Manufacturing More Convenient

AUCTECH Robotics

Tel: +86 20 8489 8493

Web: www.auctech.com.cn

Guangzhou Auctech Automation Technology Ltd

All rights reserved. Product specifications and technical data are subject to change without notice.