



Product Highlight

Features:

- Detect hair, black spots, foreign materials, insects, plastic, and any abnormal color variations on unpackaged products. Inspect for missing seasoning sachets, broken or incomplete products.
- Verify expiration dates on packaging, including blurred, incorrect, or missing printing.
- Detect unsealed or improperly sealed packaging. Verify that the printed packaging design matches the approved reference sample.

Inspection Principle:

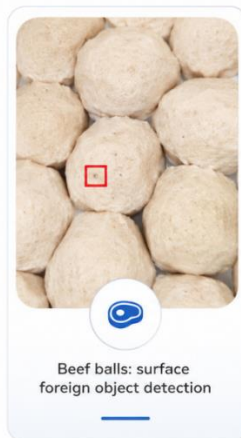
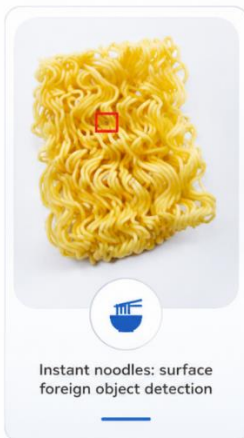
The system is capable of detecting any deviation from the standard product sample that it has been trained to recognize, enabling AI-based anomaly detection without requiring predefined rules for every possible defect.

General specifications

Application	Product Appearance Defects Surface Flaws & Foreign Object Detection OCR Label Inspection
Performance	Detection Accuracy : 0.5 mm Detection Rate : 99.9 % False Detection Rate : 0.1 %
Camera	Area-Scan Sensor x 5; 2K Line-Scan Sensor x 2, 2 line camera it support adjust the lens.
Conveyor width	400mm (can be customized)
Inspection Height	150mm (can be customized)
Conveyor Height	750+100mm
Working Direction	From left to right
Typical Applications	Product Appearance Defects Surface Flaws & Foreign Object Detection OCR Label Inspection
Lens	High-definition Fixed-focus Lens
Light Source	RGB, White, or Infrared (IR) (optional)
Light Controller	4-Channel Digital Light Controller
Speed	10-80m/min
Display	TFT 15" Full-color Touchscreen
Processing Unit	Standalone Industrial PC
Operating System	Windows 10
Operation Language	Multilingual (English, etc.)
Alarm Method	Audible and Visual Alarm
Ejection	Air Blast, Swing Arm, Pusher, Knock-Off, Flap, etc. (optional)
Data Interface	LAN Port, USB Port
Product Management	Complete Product Log
Operating Environment	0-40°C, 30-85% RH, Non-condensing
Material	Stainless Steel 304
Power Supply	Single-phase AC, 220V±10%, 50/60Hz
Air Supply	Ejector Powered by Buyer-provided Dry Compressed Air (0.6–0.8 MPa)



Detection Effect



Drawing

