



AI SMART CAMERA JBM-80



AI Powered
Intelligent Imaging



High Resolution
Image Capture



High Speed
Processing



Multiple I/O
Connectivity



Smart Inspection &
Defect Detection



Robust & Compact
Design



Easy Integration
& Setup



Ideal for Industrial
Automation

AI SMART CAMERA JBM-80

PERFORMANCE

- It adopts an embedded hardware platform, which operates stably and at a high speed.
- It has built-in visual algorithms that can achieve detections such as front and back, presence or absence, size, color recognition, and position.
- Equipped with a quad-core high-performance ARM processor.
- 2GB DDR4 memory
- 32GB DDR4 memory
- 1-channel RS232 / 1-channel Gigabit Ethernet
- LVDS (Low-Voltage Differential Signaling) / USB2.0 (Universal Serial Bus 2.0)
- 1-channel input / 3-channel output, with optocoupler isolation.
- There are abundant status indicator lights, which are used for installation, debugging and status display.
- It has a built-in M12 lens and supports mechanical focusing, which is convenient for on-site debugging.
- Built-in light source, supporting stroboscopic function.
- With an IP67 protection rating, it is suitable for harsh industrial environments.





SPECIFICATIONS

Parameters	DC-080SC003CIR-4	DC-080SC003CIR-8	DC-080SC003CIR-16	DC-080SC013CIR-8	DC-080SC013CIR-16
Algorithm functions	It has built-in visual algorithms and comes with AI model learning, which can achieve detections such as recognizing the front and back, direction, presence or absence, size, position and color				
Definition	640*480	640*480	640*480	1280*960	1280*960
Maximum frame rate	120fps	120fps	120fps	60fps	60fps
System architecture	Quad-core ARM processor running at 2GHz.				
RAM	2GB DDR4				
Memory	32GB EMMC				
Digital I/O	Digital I/O interface, with 1 channel of optocoupler-isolated GPI (General Purpose Input) input, 3 channels of optocoupler-isolated GPO (General Purpose Output) output, and 1 channel of RS232 serial port.				
Video output	LVDS interface				
Power feeding	DC 24V				
Power consumption	12W				
Lens mount	M12 mechanical focusing				
Light source	Built-in light source				
IP rating	IP67				
Ambient temperature	0~50°C				
Ambient humidity	20%~95% RH Relative Humidity				

STANDARD MODE SCREEN



Rich Detection Tools • Simple Operation • Widely Used



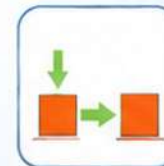
Outline



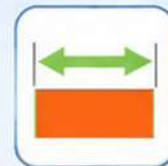
Greyarea



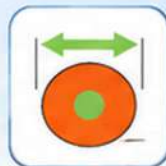
Colour area



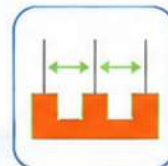
Feature exist



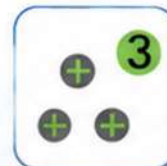
Width



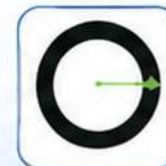
Diameter



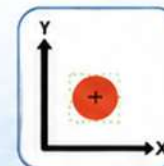
Pitch



Count



Angular
positioning



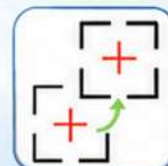
Target
positioning



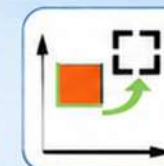
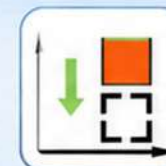
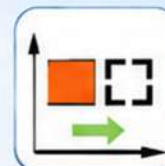
Character
(OCR)



Decode



Position correction



High-speed
position correction

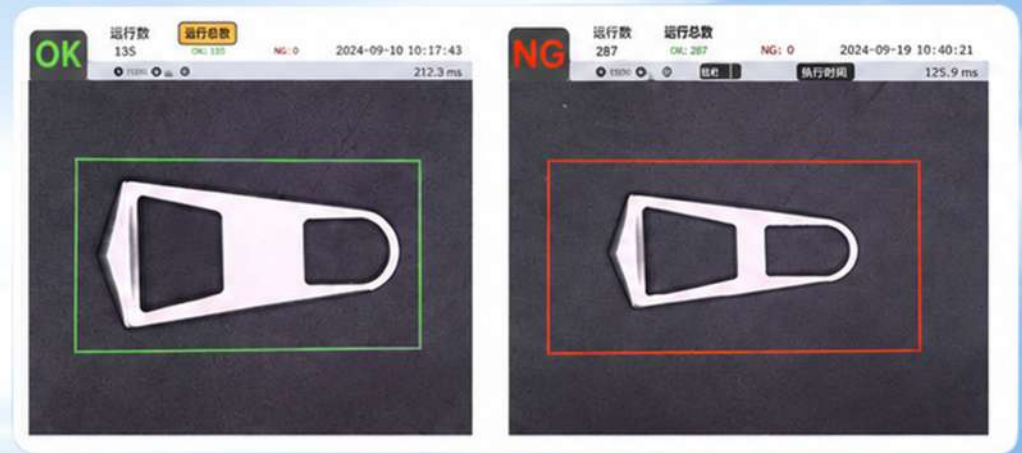
JBM-80



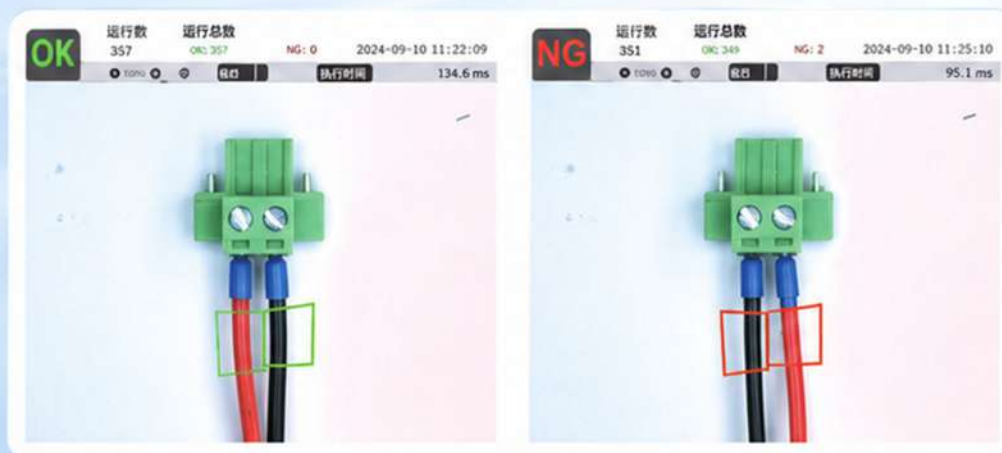
AI LEARNING



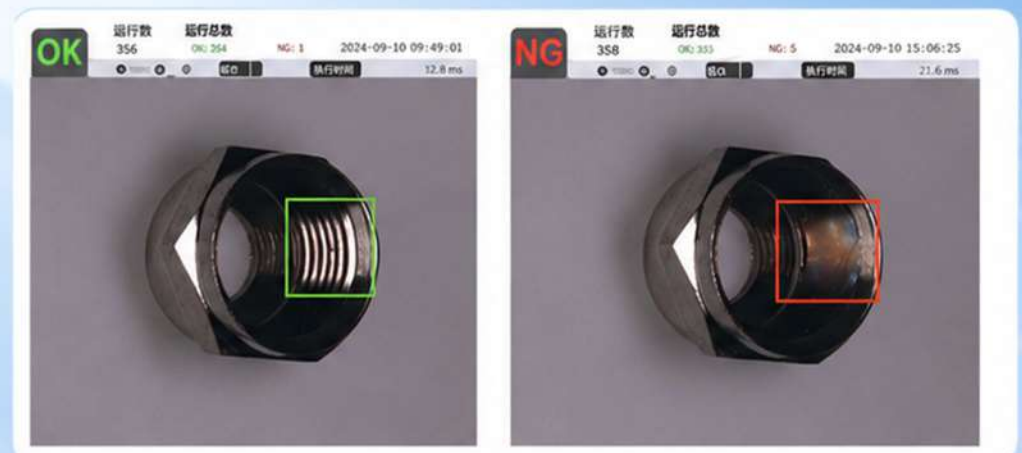
OUTLINE



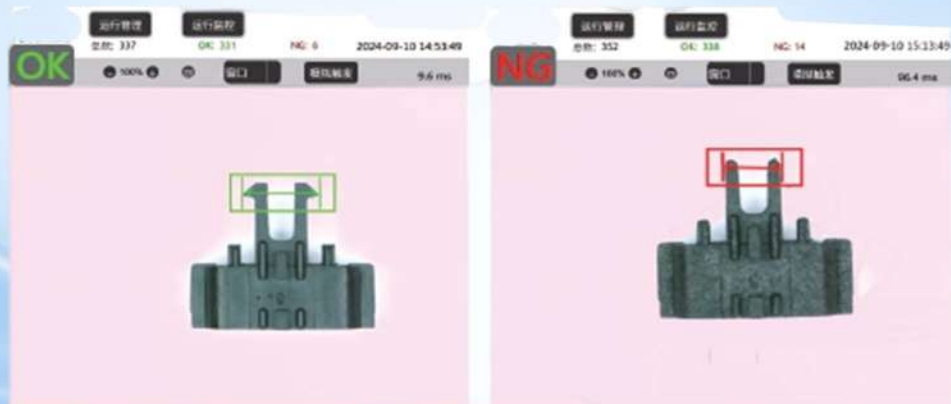
COLOR AREA



FEATURE EXIST



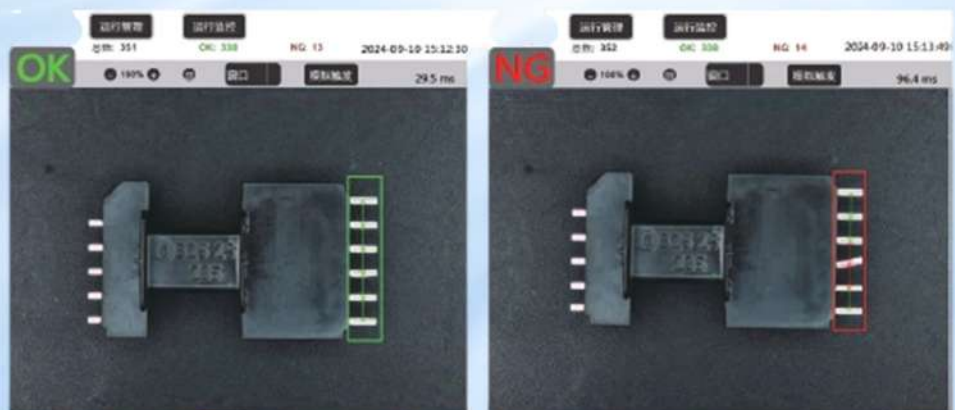
Width



Grayscale area



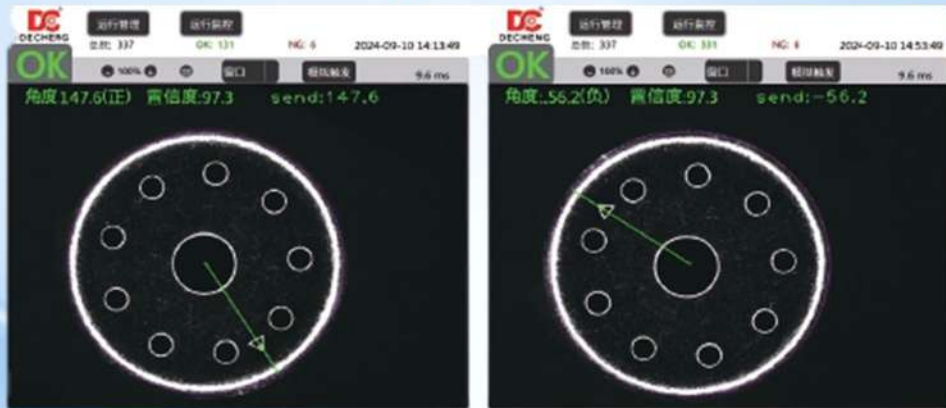
Pitch



Counting



Angle



Target Location



Character (OCR)



Code Recognition





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