

视觉传感器 AI智能相机

Visual sensor

AI Smart camera



**操作简单
一分钟搞定**

IT'S EASY TO OPERATE AND
CAN BE DONE IN JUST ONE MINUTE.

**Linux操作系统
稳定可靠**

THE LINUX OPERATING
SYSTEM IS STABLE AND RELIABLE.

**超高性价比
降低使用成本**

ULTRA-HIGH COST PERFORMANCE
REDUCES THE COST OF USE.

自动化机器视觉核心产品供应商

SUPPLIER OF CORE PRODUCTS FOR AUTOMATED MACHINE VISION.

GC-AI80系列

AI 智能相机 | AI SMART CAMERA



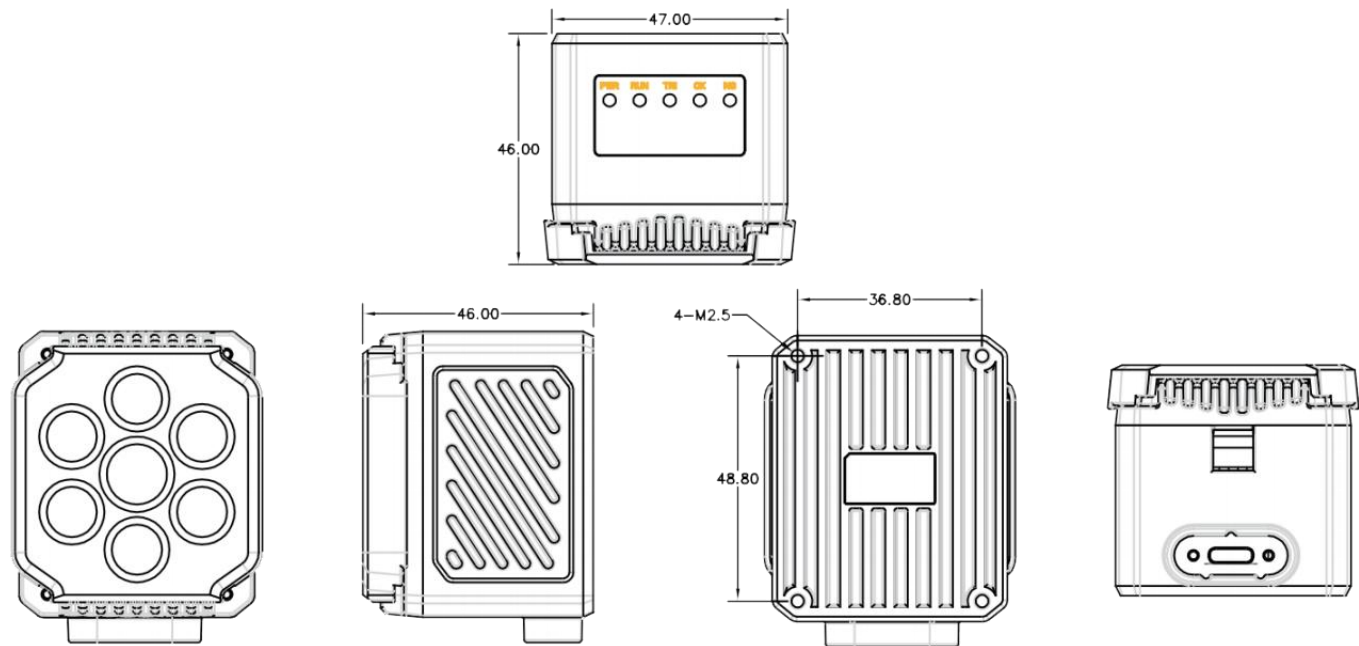
PERFORMANCE

- 1、采用嵌入式硬件平台，运行稳定，速度快
 - It adopts an embedded hardware platform, which operates stably and at a high speed.
- 2、内置视觉算法，可实现正反，有无，尺寸，颜色识别，位置等检测
 - It has built-in visual algorithms that can achieve detections such as front and back, presence or absence, size, color recognition, and position.
- 3、搭载四核高性能ARM处理器
 - Equipped with a quad-core high-performance ARM processor.
- 4、2GB DDR4内存
 - 2GB DDR4 memory
- 5、16GB EMMC存储器
 - 2GB DDR4 memory
- 6、1路RS232/1路千兆以太网
 - 1-channel RS232 / 1-channel Gigabit Ethernet
- 7、LVDS/USB2.0
 - LVDS (Low-Voltage Differential Signaling) / USB2.0 (Universal Serial Bus 2.0)
- 8、1路输入/3路输出，带光耦隔离
 - 1-channel input / 3-channel output, with optocoupler isolation.
- 9、丰富的状态指示灯，用于安装调试和状态显示
 - There are abundant status indicator lights, which are used for installation, debugging and status display.
- 10、内置M12镜头，支持机械调焦，便于现场调试
 - It has a built-in M12 lens and supports mechanical focusing, which is convenient for on-site debugging.
- 11、内置光源，支持频闪
 - Built-in light source, supporting stroboscopic function.
- 12、IP67防护，适应恶劣的工业环境
 - With an IP67 protection rating, it is suitable for harsh industrial environments.

技术参数 TECHNICAL PARAMTERS

参数 Parameters	型号 Parameters	GC-AI80-30CIR-4(彩色) (colour)	GC-AI80-30CIR-8(彩色) (colour)	GC-AI80-30CIR-16(彩色) (colour)	GC-AI80-130CIR-8(彩色) (colour)	GC-AI80-130CIR-16(彩色) (colour)
算法功能 Algorithm functions	内置视觉算法，带AI模型学习，可实现正反、方向，有无、尺寸、位置、颜色识别等检测 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.					
分辨率 Definition		640*480	640*480	640*480	1280*960	1280*960
最大帧率 Maximum frame rate		120fps	120fps	120fps	60fps	60fps
系统架构 System architecture	ARM 2GHz 四核处理器 Quad-core ARM processor running at 2GHz.					
内存 RAM		2GB DDR4				
存储器 Memory		32GB EMMC				
数字I/O Digital I/O		数字I/O接口，1路光耦隔离的GPI输入，3路光隔离的GPO输出，1路RS232串口 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.				
视频输出 Video output		LVDS接口 LVDS interface				
USB		1路USB2.0 One channel of USB2.0				
供电 Power feeding		DC 24V				
功耗 Power consumption		12W				
镜头接口 Lens mount		M12 机械对焦 M12 mechanical focusing				
光源 Light source		内置光源 Built-in light source				
IP等级 IP rating		IP67				
环境温度 Ambient temperature		0-50℃				
环境湿度 Ambient humidity		20%~95%PH无冷凝 20%-95% RH Relative Humidity				

产品尺寸 PRODUCT SIZE



SC-TS60A

触摸面板

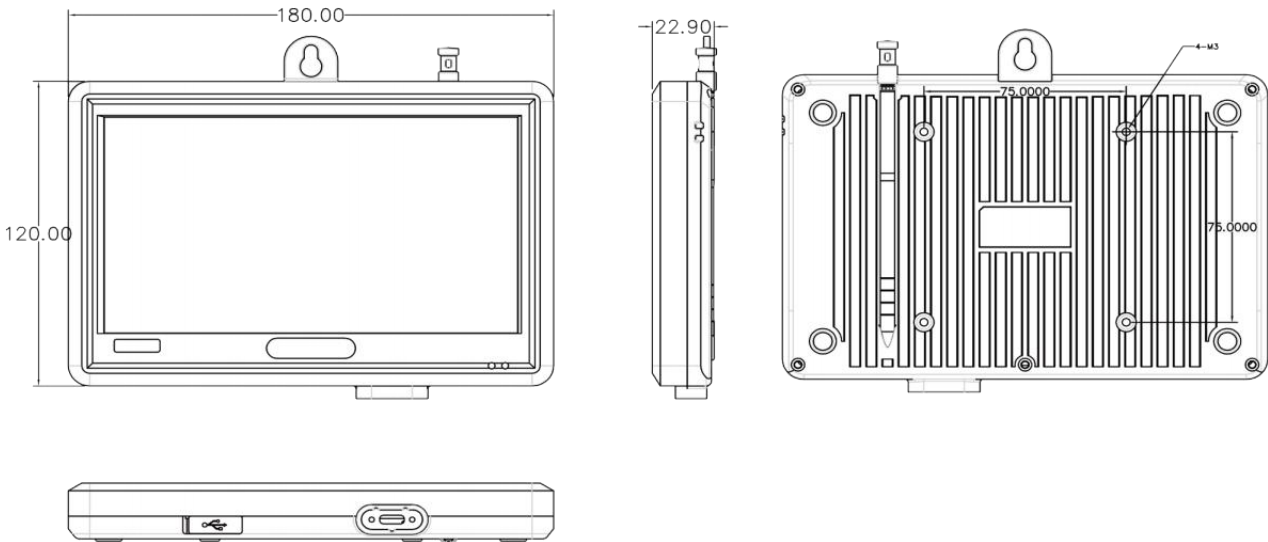
TOUCH PANEL



技术参数 TECHNICAL PARAMTERS

型 号 Parameters	参 数 parameter
类型 Type	SC-TS60A
适用相机 Applicable cameras	GC-AI80视觉传感器 DC80 AI Intelligent Camera
面板尺寸 Panel size	7英寸 7 inches
分辨率 Resolution	1024*600
指示灯 Indicator light	PWR/触摸显示灯 PWR/Touch display light
接口 Interface	LVDS/USB
触摸方式 Touch mode	电阻 Resistance
电压 Voltage	DC12V
功率 Power	5W
环境温度 Ambient temperature	0-50℃
防护等级 Protection level	IP40
开孔尺寸 Cutout size	260.2mm X 179.8mm
重量 Weight	450g
环境湿度 Relative humidity	20%~95%PH无冷凝 20% to 95% RH (Relative Humidity), non-condensing

产品尺寸 PRODUCT SIZE



标准模式 STANDARD MODE

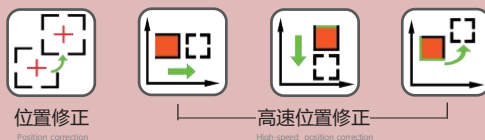
丰富的检测工具，操作简单，用途广泛。 RINH DETECTION TOOLS SIMPLE OPERATION WIDELY USED



工具 Tool



位置修正工具 Position correction tool

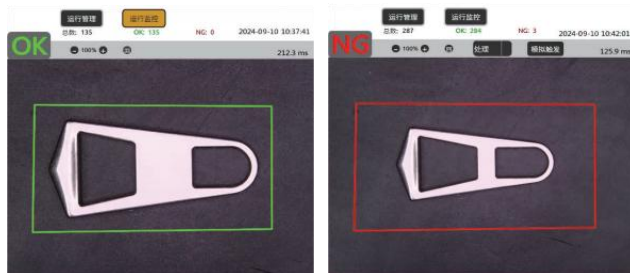


经典案例 CLASSIC CASES

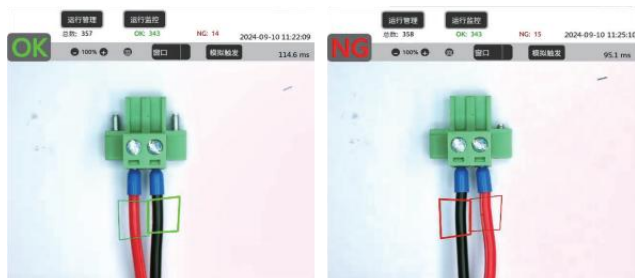
AI学习 AI LEARNING



轮廓 OUTLINE



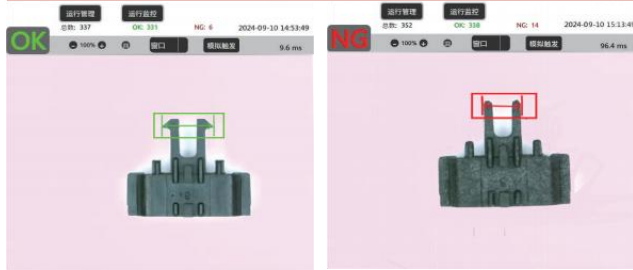
颜色面积 COLOR AREA



有无 FEATURE EXIST



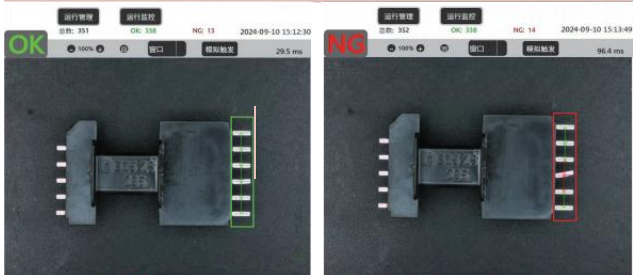
宽度 WIDTH



灰度面积 GRAYSCALE AREA



节距 PITCH



计数 COUNTING



角度 ANGLE



目标定位 TARGET LOCATION



字符(OCR) CHARACTER(OCR)



读码 CODE RECOGNITION

