
product name

Smart AI Box FH003

product picture



Product overview

Edge AI host is an intelligent analysis device developed based on FOORIRs original visual analysis algorithm. By accessing the video stream of network cameras, it can provide intelligent video applications such as face/body detection, behavior analysis, machine and object analysis, and number statistics, and has a secondary development interface.

Hardware parameters

Video stream access	8 channels 1 080 P
CPU	Four cores 1.2GHz
NPU	4TOPs@INT8
internal storage	4GB
eMMC	64GB

memory	Supports microSD, up to 1 28 GB
Wired network	One 100/1000Mbps Ethernet port and one 100Mbps Ethernet port
wireless network	Customizable WiFi, 4G
Audio input	1 channel, 3.5mm interface audio input
Audio output	1 channel, 3.5mm interface audio output
Display interface	Support, 1 HDMI port
USB joggle	Supports 2 USB 2.0
Alarm input and output	Supports 3 alarm inputs and 2 alarm outputs
working temperature	-10~50°C
Working humidity	10% ~ 90%RH, no condensation
power dissipation	DC1 2V, 10 W
size	2 34* 144* 50 mm

Features and characteristics (corresponding to Function & Feature)

Support the use of existing cameras

The equipment is compatible with mainstream HD network cameras (such as Huawei, Hikvision, Dahua, Uniview and other brands of cameras, RTSP protocol, H.264/265 coding access)

Alarm record query

Supports query of recognition records, snapshot records, behavior alerts, machine and object alerts, crowd alerts, number statistics, and hot zone analysis data.

Resume streaming after disconnecting the network

Supports breakpoint continuation, which can effectively solve the problem of missing platform alarm data caused by network. After the device is connected to the Internet, alarm data will be automatically uploaded.

network settings

Supports dual network port setting for easy internal and external network isolation.
Supports mode switching to facilitate the docking of different systems.

System Settings

Support device information viewing, time setting, storage management, parameter setting, system maintenance, etc., so as to facilitate the operation and maintenance of devices.

Standardized interface

Open API for third party integration

Product advantages (corresponding to A dvance)

There are many kinds of algorithms: it can provide nearly 2 0 kinds of intelligent video applications such as face/body analysis, behavior analysis and machine object analysis. It covers scenes such as residential areas, construction sites, retail stores, urban management, gas stations and urban public security.

Multi-level face database comparison can be realized to improve the accuracy of recognition and scene adaptability

Application closed loop:

Super performance: 4TOPs@INT8 computing power, high performance, high precision and more powerful. Up to 81080P cameras can be supported.

Compatibility: Suitable for existing mainstream HD network cameras (RTSP protocol)

High stability: embedded system, strict testing, high stability, meet the requirements of industrial applications

Real-time accuracy: real-time analysis, real-time alarm, short delay, low false alarm rate, accurate and reliable

Operation and maintenance convenience: high degree of module integration, easy installation, simple operation, easy to learn and use

Good openness: provide secondary development interface to realize face base registration, comparison record, alarm record return

Customer value (corresponding Benefit)

The AI algorithm is loaded for the camera to realize automatic monitoring, intelligent recording and alarm of people, vehicles, objects and events in communities, parks, campuses, enterprises and institutions, so that each place can change from passive monitoring to active defense when facing potential security incidents, and improve the comprehensive security management level of the place.

No need for repeated construction, make full use of the existing security facilities, and deploy a variety of AI capabilities as needed. Solve the goal of empowering AI algorithms for cameras with a cost-effective solution.

It can be linked to the alarm output of the camera to carry out local audio and light alarm. It can timely remind the alarm event. It can realize unattended key places. It can be linked to the backend platform warning and mobile terminal alarm notification, forming an integrated early warning mode, realizing closed-loop management of early warning events.