DATASHEET

ECS-504S-SF-HA 4-ch 1-SSD Intelligent Edge Computing Server

ECS-504S-SF-HA

Overview

ECS-504S-SF-HA is an industrial-grade intelligent analysis device that works with ordinary network cameras. The device is integrated with video decoding, data transmission, data storage, and intelligent algorithms. It receives videos from ordinary network cameras, analyzes objects in the videos, and outputs an alarm upon detection of an abnormal behavior. The device is easy to deploy, operate, and adapts to different environments.

The device utilizes deep learning algorithms to achieve fast and accurate face comparasion and behavior analysis. It complies with industrial-grade standards, featuring a sophisticated and sturdy appearance, and is suitable for various indoor and outdoor application scenarios. The device offers abundant APIs to meet various application requirements and facilitate integration with third-party systems.

Features

- Supports 4-ch video stream based and comparison.
- Supports 4-ch video stream based behavior analysis, offers algorithms for fire detection, smoke detection, illegal parking, evacuation route obstruction detection, item loss, perimeter protection (intrusion detection, enter area, leave area, cross line detection), sleep on duty detection, absence detection, area people counting, people exceed the limit, no , no work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, fall detection, long stay detection, fight detection, and using mobile phone detection.
- Supports generating alarm videos/images and reporting alarm information.
- Supports H.264 and H.265 video streams.

- Supports connecting 4 third-party cameras via Onvif and RTSP.
- Dual Gigabit network interfaces enable dual-network IP settings to adapt to different networking environments.
- Supports browser-based access and control.
- Lightweight, fanless structure, flexible deployment, suitable for harsh conditions including dusty, oily, very hot or very cold environments.

Ordering Info

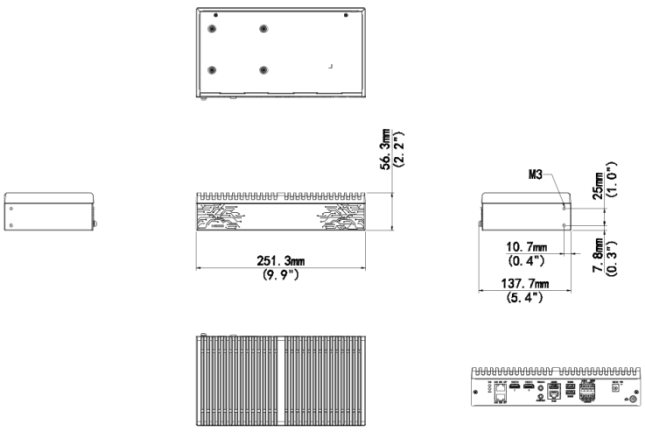
Product Model	Description
ECS-504S-SF-HA	4 Channels 1 Hard Disk Intelligent Edge small station

Specifications

VCA	Description
Smart	fire detection, smoke detection, illegal parking, evacuation route obstruction, perimeter protection (intrusion detection, enter area, leave area, cross line), sleep on duty detection, absence detection, area people counting, people exceed the limit, no , no work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, fall detection, long stay detection, fight detection, using mobile phone detection, item loss, Non motor vehicle parking violations. face detection(Hidden on UI by default)
Features	**Description**
Face detection	4-channel (Face detection and behavior analysis cannot be enabled simultaneously on the same channel)
Behavior analysis	4-channel
Face library capacity	128 face libraries, total 20,000 face images
Work clothes library capacity	8 work clothes libraries, total 160 images
Storage	**Description**
DDR RAM	4GB DDR4
Hard disk	2.5-inch, 128GB SSD included
Alarm capacity	**Description**
Alarm image	Max 20,000 alarm images
Alarm video	Max 20,000 alarm video clips
Electrical property	**Description**

Operating temperature	-40~70℃
Operating humidity	5% to 90% (non-condensing)
Power consumption	≤20W
Weight	≤1.5KG (with SSD)
Dimensions	56.3mm(H)×251.3mm(D)×137.7mm(W)
External interface	Description
Network interface	2 x 10M/100M/1000M adaptive Ethernet interfaces (RJ45)
USB interface	2 x USB2.0, 1 x USB3.0
Alarm input	4-ch
Alarm output	4-ch
Serial interface	1 x RS-485 (phoenix connector)
Power supply	12V/3A
Channel management	Description
Protocol	rtsp,onvif
NDAA	Description
NDAA Compliant	Support

Dimensions



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