ECS-508(4)S-SF-HA 8/4-ch 1-HDD Intelligent Edge Computing Server

Overview

ECS-508(4)S-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 recognition 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.

Appearance

Interfaces

Dimensions

Features

- Supports 8-ch or 4-ch video stream based face capture and comparison, supports face-behavior linkage (identifying a person after detecting an abnormal behavior).

- Supports 8-ch or 4-ch video stream based behavior analysis, offers algorithms for fire detection, smoke detection, illegal parking, evacuation route obstruction detection, object left behind, 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 helmet detection, no work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, fall detection, no mask 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 8 or 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.
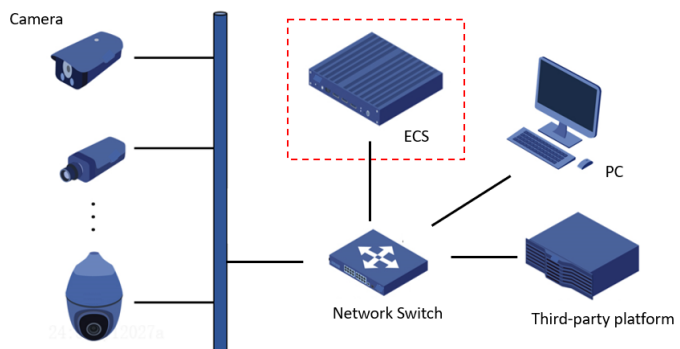
Typical Application

Ordering Information

- ECS-508S-SF-HA
- ECS-504S-SF-HA

Specifications

Model	ECS-508S-SF-HA	ECS-504S-SF-HA
DDR RAM	8GB, DDR4	4GB, DDR4
Video input	8 * 2MP-4MP H.265 or H.264 cameras	4 * 2MP-4MP H.265 or H.264 cameras
VCA	**Video stream based face recognition** 8 channels	4 channels
	Face library capacity 128 face libraries, total 20,000 faces images	128 face libraries, total 20,000 face images
	Video stream based behavior analysis 8 channels (cannot be enabled with face recognition simultaneously)	4 channels (cannot be enabled with face recognition simultaneously)
	Algorithm service Face recognition, fire detection, smoke detection, illegal parking, evacuation route obstruction, object left behind, perimeter protection (intrusion detection, enter area, leave area, cross line), sleep on duty detection, absence detection, area people counting, people exceed the limit, no helmet detection, no work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, fall detection, no mask detection, long stay detection, fight detection, using mobile phone detection.	
Storage	**Hard disk** 2.5-inch, 128GB hard disk included	
	Alarm image & video Up 300,000 alarm images and 30,000 alarm video clips	
External interface	**Network interface** 2 x 10M/100M/1000M adaptive Ethernet interfaces (RJ45)	
	USB interface 2 * USB2.0, 1 * USB3.0	
	Alarm input and output 4 in, 4 out	
	RS485 1	
	RS232 (serial interface) 1	
	Video output 2 * HDMI	
	Audio 1 in, 1 out	
Others	**Power supply** 12V/2A	
	Power consumption ≤ 20W	
	Operating temperature -40°C to +75°C	
	Operating humidity 5% to 90% (non-condensing)	
	Dimensions 56.3mm(H)×251.3mm(D)×137.7mm(W)	

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* Product specifications and availability are subject to change without notice.