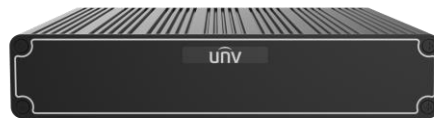# ECS-508(4)B-SF-HD Intelligent Edge Computing Server

ECS-508(4)B-SF-HD

Overview

ECS-508(4)B-SF-HD is an 8-channel (or 4-channel) industrial-grade one-HDD 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, features a sophisticated and sturdy appearance, and is suitable for various indoor and outdoor application scenarios. The device offers a set of APIs to meet various application requirements and facilitate integration with third-party systems.

Features

- Supports 4ch or 8ch video stream based face detection, and monitoring with 20,000 or 100,000 face images.

- Supports 4ch or 8ch video stream based behavior analysis, offers algorithms for fire detection, smoke detection, illegal parking, obstructed evacuation route detection, object removed, perimeter protection (intrusion detection, enter area, leave area, cross line detection), sleep on duty detection, absence detection, area people counting, crowd density monitoring, no work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, fall detection, no mask detection, long stay detection, etc.

- ECS-508B-SF-HD supports face-behavior linkage (identifying a person through face comparison after detecting an abnormal behavior).

- Supports generating alarm videos/images and reporting alarm information.

- Supports H.264 and H.265 video streams.

- Supports connecting 4 or 8 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.
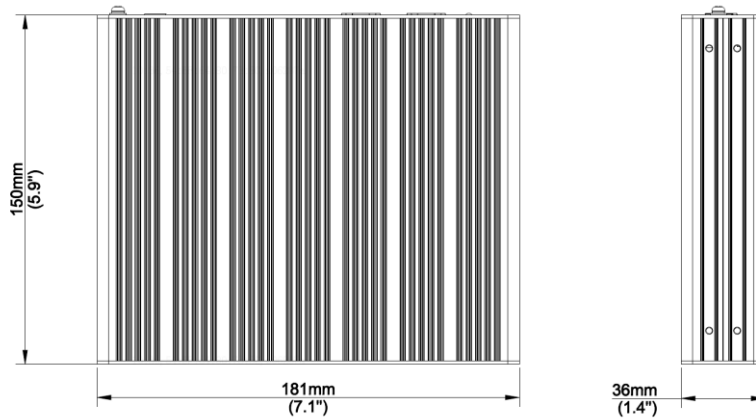
Ordering Info

Product Model	Description
ECS-504B-SF-HD	4-channel industrial-grade one- HDD intelligent analysis device that works with ordinary network cameras

Specifications

VCA	Description
Smart	Fire detection, smoke detection, illegal parking, obstructed evacuation route detection, 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 work clothes detection, no reflective clothing detection, smoking detection, calling detection, tripwire people counting, human fall detection, no mask detection, long stay detection, fight detection, using mobile phone detection, helmet detection face recognition(Hidden on UI by default)
Features	**Description**
Behavior analysis	4-channel
Face detection	4-channel (Face recognition and behavior analysis cannot be enabled simultaneously on the same device)
Face library capacity	128 face libraries, total 100,000 face images
Video input	4-channel 2MP-4MP H.265 or H.264 cameras
Storage	**Description**
DDR RAM	4GB DDR4
Hard disk	2.5-inch, 1TB hard disk included
Alarm capacity	**Description**
Alarm image	Max 400,000 alarm images
Alarm video	Max 30,000 alarm video clips
Electrical property	**Description**
Operating temperature	-20~60℃
Operating humidity	5% to 95% (non-condensing)
Power consumption	≤36W
Weight	≤1.2KG (with HDD)

Dimensions	36.0mm(H)×150.0mm(D)×181.0mm(W)
External interface	Description
Network interface	2 x 10M/100M/1000M adaptive Ethernet interfaces (RJ45)
USB interface	2 x USB3.0
Alarm input	2-ch
Alarm output	1-ch
Serial interface	1 x RS-485 (phoenix connector)
Power supply	12V/3A

Dimensions

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