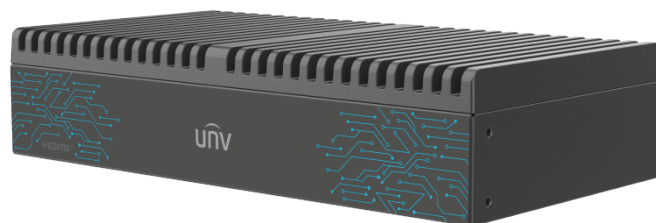# ECS-508S-SF-HA 8-ch 1-SSD Intelligent Edge Computing Server

ECS-508S-SF-HA

Overview

ECS-508S-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 comparsion and action 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 8-ch video stream based face snapshot and comparison, supports face-behavior linkage (identifying a person after detecting an abnormal behavior.

- Supports 8-ch video stream based action 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 hard hat detection, 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 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.
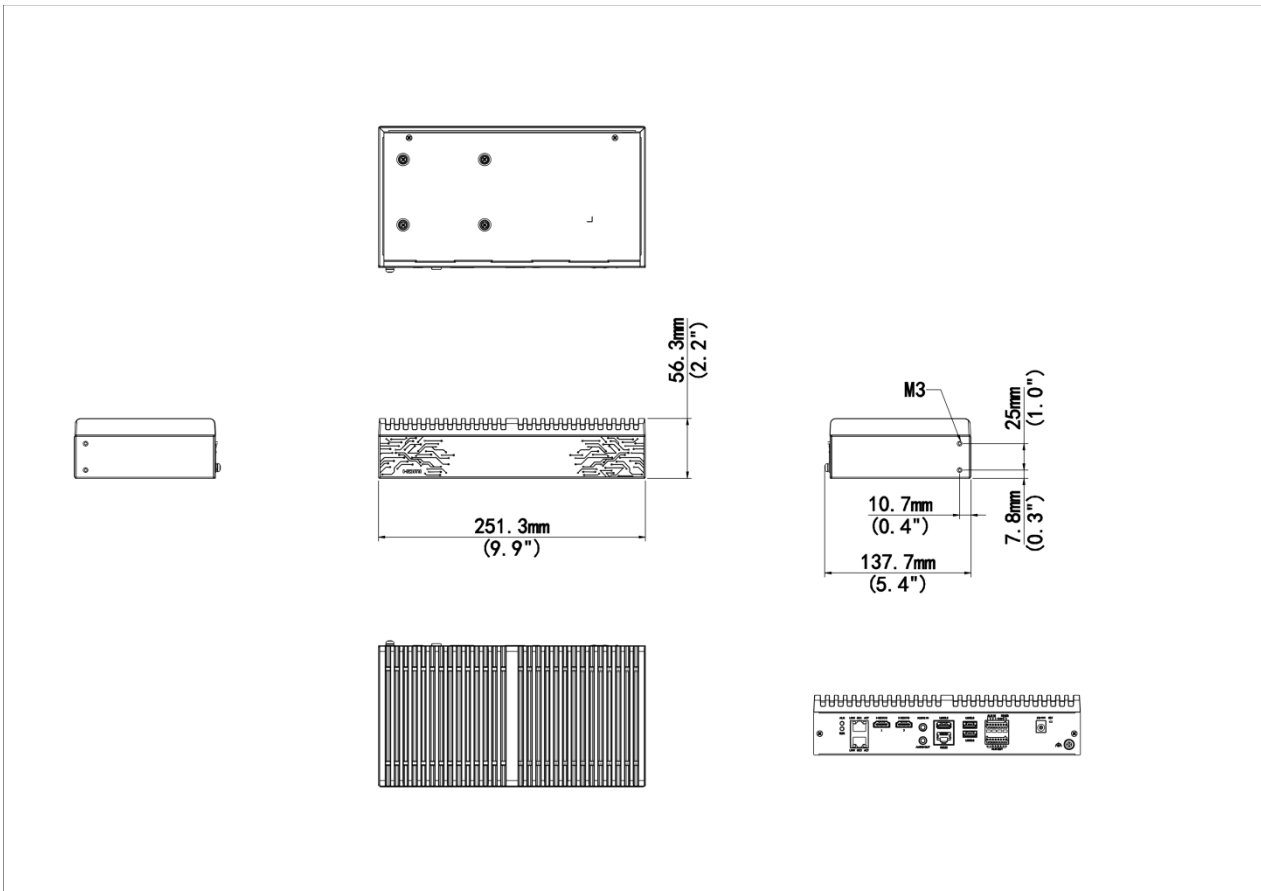
Ordering Info

Product Model	Description
ECS-508S-SF-HA	8 Channels 1 Hard Disk Intelligent Edge small station

Specifications

Model	ECS-508S-SF-HA
VCA	
Smart	No Hardhat Detection, No Chef Hat Detection, Calling Detection, Fight Detection, Fall Detection, No Work Clothes Detection, Quick Moving, Rat Detection, Absence Detection, Climbing Detection, People Gathering, Sleep On Duty Detection, Smoking Detection, No Cover Detection, Lost items, Obstructed Evacuation Route Obstruction, Fire Detection, Fume Detection, Illegally Parked Motor Vehicle, Illegally Non motor vehicle parking violations, Using Mobile Phone Detection, Multi person assignment, Overcrowding Detection, No Safety Harness Detection, Uncovered Bare Soil Detection, Unwashed Vehicle Detection, Inspection of Debris Stacking, No Chef Uniform Detection, Trash Bin Open Detection, Shirtless Detection, No Reflective Clothing Detection, Long Stay Detection, Trash Bin Overflow, Exposed Trash, Bagged Trash, Knife/Stick In Hand Detection, Forklift Overspeed Detection, Campus Vehicle Overspeed Detection, No Safety Belt Detection, Area People Counting, Tripwire People Counting, Cross Line Detection, Enter Area, Leave Area, Preset Marker Detection, Intrusion Detection (including people, motor vehicles, and non-motor vehicles), face detection (Hidden on UI by default)
Features	
Face detection	8-channel (Face detection and behavior analysis cannot be enabled simultaneously on the same channel)
Face library capacity	128 face libraries, total 20,000 face images

Work clothes library capacity	8 work clothes libraries, a single storage capacity of 50 images
Storage	
DDR RAM	8GB DDR4
Hard disk	2.5-inch, 128GB SSD included
Alarm capacity	
Alarm image	Max 20,000 alarm images,
Alarm video	Max 20,000 alarm video clips
Electrical property	
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	
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	
Protocol	rtsp,onvif
Compliance	
NDAA Compliant	Support

Dimensions

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