# NV836L2-4H | acam AI Series
## H.265+ 36Channels Network Video Recorder with 4 Channels Facial Recognition

- H.265+/H.265/H.264 decoding
- Support 36-channel 4K IP cameras input & preview
- Support 16 channels real-time playback synchronously
- 4 channels real-time facial recognition with face capture cameras
- Up to 5,000 face templates supported
- Support multiple Blacklist/Whitelist alarm events linkage
- Smart face retrieval supported
- Intelligent video analytics functions (up to IPC)
- Support multiple web browsers login/ P2P cloud service supported

H.265+

## System Overview

acam AI NVR series is one of the idealist considerations for small-to-medium scale facial recognition surveillance and analysis project with the acam industry-leading AI algorithm.

This model supports 4 channels of real-time facial recognition based on a database that stores up to 5,000 face templates and displays real-time facial recognition results.

With Blacklist/Whitelist management, the solution can trigger an alarm, take a snapshot, or record faces for further analysis and potential security improvement.

Powered by the robust interoperability and ONVIF Profile S, the series is compatible with plenty of 3rd-party IPCs to implement facial recognition.

## Functions

IVA functions (Intelligent Video Analytics)
Support Facial Recognition / Human Detection/ Line Crossing / Target Counting / Object Left/Lost / Intrusion / Scene Change / VQD, etc.

Numerous templates and accurate facial recognition
100,000 face templates and up to 98% facial recognition accuracy (acam Lab data).

User-friendly & full function VMS / Mobile App
Black / White list alarm events linkage actions such as email, audio, buzzer and alarm push message to Mobile App. etc

# Technical Parameters

| Model | NV836L2-4H |
|---|---|
| **System** | |
| Main Processor | Multi-core embedded processor |
| Operating System | Embedded LINUX |
| **Video and Audio** | |
| Max IPC Input | 36CH 4K |
| Two-way Talk | Support |
| Audio Compression | G.711u |
| **Live View** | |
| Display Split | 1/4/8/16/36 CH |
| Resolution | 8MP (3840*2160) / 5MP (2592*1944) / 2MP (1920*1080) / 1.3MP (1280*1024) / 1MP (1280*720) / SVGA (1024*768) |
| Live View Capability | 4CH@8MP(25/30fps) / 36CH@D1((25/30fps) |
| **Recording** | |
| Video Compression | H.265+ / H.265 / H.264 |
| Recording Resolution | 4K/5MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Max. Decoding Capability | 8MP@25/30fps |
| Incoming Bandwidth | 320 Mbps |
| Bit rate | Main Stream: 256Kbps ~ 8192Kbps |
| | Sub Stream: 50Kbps ~ 700Kbps |
| Record Mode | Schedule, Manual, Motion Detection, External Alarm, IVA Events Alarm |
| Record Interval | 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec |
| **Playback and Backup** | |
| Playback Channel | 16CH Synchronously P layback |
| Search Mode | Time/ Date, Alarm Types, IVA Search, Face retrieval |
| Playback Function | Play, Stop, Play Forward, Play Backward, 30 Seconds Forward, 30 Seconds Backward, Fast Play, Slow Play, Single Frame Play, Hide/Show Time Bar, Backup, Snapshot, Full Screen |
| Backup Mode | USB Device / Network Remote |
| **Facial Recognition** | |
| Performance | 4 CH facial recognition with face detection camera |
| Face Processing Speed | up to 4 Faces/Second |
| Face Templates | 50,000 pictures |
| Face Library | Black List/White List/Other List |
| Facial Recognition Channels | 2CH (16CH mode only) |
| Alarm Linkage Actions | Recording/Buzzer/Monitoring/Center/FTP Upload/Email |
| Create Face Templates | Capturing by Preview/Import, App collect (AIEYE)/VMS (2.0) /IMS4.0 Face Database by USB Device |
| Search by Face | Support |

## IVA Alarm

| | |
|---|---|
| Local IVA Functions | Human Detection /Line Crossing / Target Counting / Object Left/ Lost / Intrusion Scene Change / VQD |
| Regular Detection | Motion Detection / Video Shelter / Video Loss |
| AI Search | Support search target video by multiple intelligent conditions |

## Network

| | |
|---|---|
| Network Protocol | TCP/IP, HTTP, DDNS, SMTP(SSL), DHCP, PPPoE, UPnP, NTP, P2P, ONVIF |
| Max. Online User | 5 |
| Web Browser | IE / Google Chrome / Firefox / Safari |
| Operation System | Windows |
| Management Platform | VMS 2.0 / IMS4.0 |
| Mobile Application | AIEYE (iOS & Android) |
| P2P Cloud Service | Support |
| Interoperability | ONVIF Profile S, SDK, CGI, API |

## Storage & Auxiliary Interface

| | |
|---|---|
| SATA Ports | 4 SATA Ports, Up to 8 TB capacity for each HDD |
| eSATA | N/A |
| Raid 0/1/5/6/10 | N/A |
| HDMI | 1*HDMI (4K) |
| VGA | Support |
| Network Interface | 1 RJ-45 Port (10/100/1000Mbps)+1 RJ-45 Port (10/100Mbps) |
| PoE Ports | N/A |
| USB | 2 USB Ports (1 Rear USB 3.0, 1 Front USB 2.0) |
| Audio Input/Output | 1/1 |
| Alarm Input/Output | 4/1 |
| RS-485 | Support |

## Power

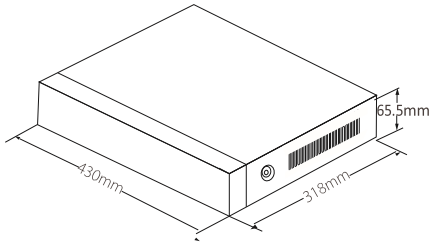| | |
|---|---|
| Power Supply | AC100 ~ 240V, 47Hz ~ 63Hz |
| Power On/Off Switch | N/A |
| Power Consumption | 35W ( without HDD) |

## General

| | |
|---|---|
| Casing | 2U |
| Working Temperature | -10°C ~ 55°C / 14°F ~ 131°F |
| Working Humidity | 10% ~ 90% |
| Dimensions (L*W*H) | 430 * 318 * 65.5 (mm) |
| Net Weight | 3kg (without HDD) |
| Gross Weight | 3.5kg (without HDD) |

## Order Information

| Type | Model | Description |
|------|-------|-------------|
| Facial  Recognition NVR | NV836L2-4H | 36CH H.265+ Network Video Recorder with 2CH Facial Recognition |

## Dimensions (mm)



65.5mm

430mm

318mm

## Rear Panel