

NV816L2-2H

| acam AI Series

H.265+ 16 Channels Network Video Recorder with 4 Channels Facial Recognition



- H.265+/H.265/H.264 decoding
- Support 16-channel 4K IP cameras input & preview
- Support 16 channels real-time playback synchronously
- 2 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



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	NV816L2-2H
System	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Video and Audio	
Max IPC Input	16CH 4K , 32ch 5MP
Two-way Talk	Support
Audio Compression	G.711u
Live View	
Display Split	1/4/8/16/32 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) / 16CH@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	210 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 / MEEYE (iOS & Android)
P2P Cloud Service	Support
Interoperability	ONVIF Profile S, SDK, CGI, API

Storage & Auxiliary Interface

SATA Ports	2 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	2 RJ-45 Port (10/100/1000Mbps)
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	DC 12V 6A
Power On/Off Switch	N/A
Power Consumption	35W (without HDD)

General

Casing	1U
Working Temperature	-10°C ~ 55°C / 14°F ~ 131°F
Working Humidity	10% ~ 90%
Dimensions (L*W*H)	240 * 350 * 68 (mm)
Net Weight	1.5kg (without HDD)
Gross Weight	2kg (without HDD)

Order Information

Type	Model	Description
Facial Recognition NVR	NV816L2-2H	16CH H.265+ Network Video Recorder with 2CH Facial Recognition