

# TD-A300-MTC-E

## Mini NVMS Server



Based on the conception of “All-in-One”, A300-MTC-E is a management server specially designed and developed for security surveillance application. Its software is installed before delivery and combines management, video preview and intelligent applications. Due to its low cost, simple deployment, flexible expansion, powerful performance and high reliability, it can meet the requirements of the medium and small-sized security systems.

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## Features

### Device Access

- Supports TVT private protocol, ONVIF protocol, standard RTSP, SDK
- Supports adding devices by manually entering IP address, domain name or IP range, by auto search, or by auto report
- Setting the network of the devices before quick adding them

### Resource Management

- Supports channel (or camera) group management and device area management
- Supports centralized management of decoding devices, encoding devices and platform services

### Device Configuration

- Supports the basic configuration and user management of the devices
- Supports the date, time and time zone, network, email and DDNS configuration of the devices
- Supports getting the information of the device's HDDs
- Supports multi-OSD setup of one channel
- Supports the camera's ROI, video mask and motion detection settings
- Supports smart event settings
- Supports the camera's resolution, frame rate, VBR/CBR, image quality and bitrate settings
- Supports the camera's brightness, contrast, saturation, hue, AZ settings, etc.
- The parameters of multiple devices can be set at one time
- Supports configuring record plan for storage devices

### People Management

- Supports binding devices and people group; The personal information of the group will automatically transfer to the device database and then these people will be given access permission.
- Supports visitor list adding and visit record search
- Supports batch adding and importing face pictures; people attribution information configurable
- Supports the similarity setting of face search
- Supports application scenes, face capture source, face capture schedule and entrance/exit settings
- Supports uploading the capture pictures to the set FTP server

### User Management

- Supports multi-user talk
- Supports user MAC address binding
- Supports user lock
- Supports different users and permission
- Supports permission based on resources and operation
- Permission can be assigned to each channel (or camera) of the device

### Live View

- Supports multi-screen display mode:  
Supports 1/2/3/4/6/8/9/10/13/16/17/21/25/33/36 standard screen display mode  
Supports 2/4/6/7/9/12/16/24/36 widescreen display mode
- Supports customized screen display mode
- Supports corridor mode
- Supports adding fisheye and panoramic cameras
- Supports channel group/view plan auto-switch
- Supports stream self-adaption and one-key stream switch
- Supports multi-monitor display
- Supports instant playback
- Supports decoding with hardware
- Supports device's smart area and result display

### Two-way Talk and Broadcast

- Supports remote listening
- Supports two-way talk
- Supports 8K or 16K audio sampling rate
- Supports multiply audio formats: G.711 a-law, G.711 u-law, G.722.1, G.726, ACC, MP2L2, PCM
- Supports voice broadcast and audio file customization

### Snapshots

- Supports snapshots in the live view mode and playback mode
- Supports triggering camera snapshot

### PTZ Control

- PTZ remote control, including preset, track and cruise calling and settings
- Supports zoom in/out and focus+/-
- Supports PTZ protocol configuration
- Supports 3D positioning control (the target can be quickly positioned and captured by box selection)

### Record Playback and Backup

- Supports multi-channel simultaneous and asynchronous playback
- Supports multiple record source playback
- Supports multi-window playback
- Supports playback by channel, time slice, time, tag and event search
- Supports playback by frame, dragging the progress bar, fast forward or slow speed
- Supports record backup: manual backup, backup by channel, time, tag and event search; supports cutting records and backup in the playback interface
- Supports backing up recorded files of DVR/NVR/Storage server to the USB flash drive inserted into the Mini Server
- Supports remotely backing up recorded files of NVR to the USB flash drive inserted into the NVR via the Mini NVMS Server
- Supports pre-alarm/post-alarm recording and record expiration time settings
- Supports smart playback by face or plate number
- Supports image search

**Alarm**

- Supports multiple alarm types: Motion alarm, sensor alarm, smart event linkage alarm, line crossing counting linkage alarm, face match linkage alarm, etc.
- Supports multiple alarm linkages: message pop-up, preview, audio, decoding on TV Wall, recording, snapshot, Email, alarm out and so on
- Supports arming or disarming.
- Supports SOP (alarm handling process) configuration
- Supports alarm information export by time period
- Supports manual alarm output
- Supports alarm task settings

**Decoding On TV Wall**

- Supports working with decoders or decoding matrix to control multiple video walls
- Supports 12MP/ 8MP/5MP/4MP/3MP/1080P/720P
- Supports decoding on TV wall in the audio format of G.722, G.711A, G.711U or ACC
- Support live view and playback on TV wall
- Supports 1/4/9/16/25/36 screen mode
- Supports window merging and splitting, opening window and roaming
- Supports multiple splicing modes: 1x1, 1x2, 2x1, 2x2, ....10x10
- Supports picture-in-picture mode and roaming mode
- Up to 999 plans configurable
- Supports channel group and plan sequence view
- Plan task configurable
- Supports TV Wall task setting
- Supports TV Wall backup and recovery settings
- Supports triggering decoding on TV wall; customized alarm window (unlimited)
- Supports notification for node offline

**Electronic Map**

- Supports Baidu map and picture map. The picture map supports JPG, BMP, PNG and TIF formats
- Supports multi-level maps; adding, modifying, moving, deleting hot spots (monitoring points, sensor)
- Supports layer edition and display as well as self-defined layer
- Supports alarm linkage, like icon flickering, video pop-up
- Video preview and E-map monitoring

**Face Surveillance**

- The match boxes of strangers and people from allow list and block list are displayed with different colors.
- Supports alarm popup-window after face capture or match
- Supports image search and playback by face image (captured face image or uploaded face picture) and all searched face images can be viewed via the list or track on the E-map
- Supports one-key adding the captured picture to the face database in the image search interface

**Face Attendance**

- Attendance time configurable
- Supports displaying the employee's photo and the compared time on the right panel after successful comparison
- Supports multi-screen display mode (1/4/9/16); the face attendance video can be projected onto a sub-screen
- The attendance record can be viewed and filtered by day, week, month, working day/ non-working day/late/leaving early/overtime working/normal working/check-in /no check-in
- Supports displaying attendance status and overtime working status in the form of a list, which can be exported to an Excel

**Face Greeting**

- Supports self-defining the style and other configuration items of the greeting interface
- Real-time visitor information display on the client
- The VIP visitor 's photo will be shown on the pop-up window of the sub-screen and the corresponding audio will be broadcast simultaneously
- Single visitor loop play time can be configured in seconds
- Greeting pop-up window quantity, height and duration configurable
- Support visitor access records search

**Line Crossing Counting**

- Supports the threshold settings of people/motor vehicle/non-motor vehicle entering and exiting
- Supports daily, monthly people/motor-vehicle/non motor vehicle flow display by chart
- Supports historical people/motor vehicle/non-motor vehicle counting displayed in a histogram or curve graph and exported to an Excel
- Supports single/multi-channel real-time statistics and daily/monthly/yearly statistics via E-map
- Historical data searched by single/multi-channel, time period and line crossing and exported to a curve graph or histogram, or an Excel

### Parking Lot Management

- ANPR camera access
- Total/remaining space display
- Barrier gate control, manual/auto opening
- Historical vehicle entering or exiting information search and export
- Adding, modifying and deleting vehicle information and their parking permission
- Entrance/exit lane configuration
- Overstaying parking search and self-defining overstaying threshold
- Block list management (adding, modifying and searching vehicles to /in the block list)
- Self-defining vehicle charge rule

### Others

- Supports keyboard control
- Supports overload protection
- Supports operation and maintenance management:
- Operating, system and alarm logs can be searched and exported by time, type and user

### Temperature Measurement

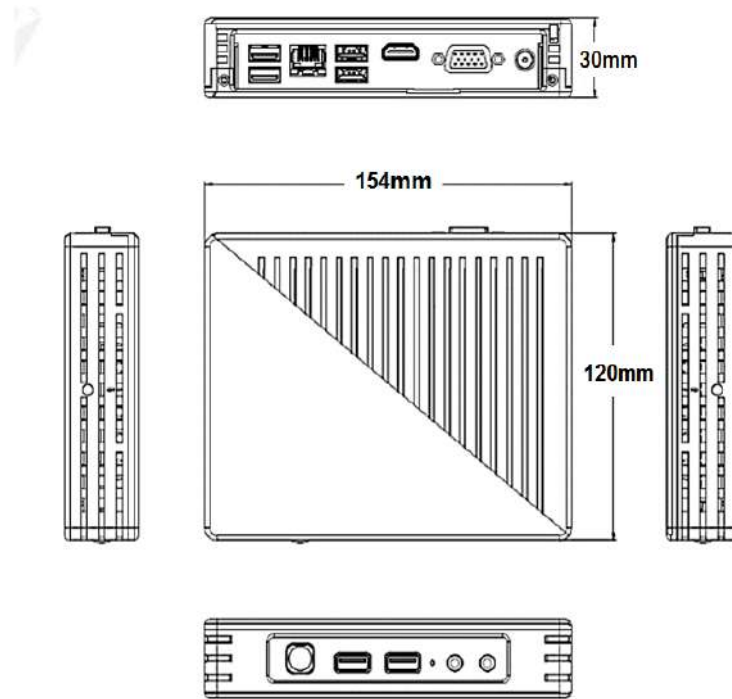
- Human temperature and mask status real-time view
- Record search by filtering conditions
- Recent seven-day statistics and statistical display
- Temperature exception pop-up window, information editable (including whether to go to the affected area, name, phone number, ID number, address, etc.)
- The record can be searched according to time range, temperature range, whether to go to the affected area, processing status and key words, and it also can be exported to an Excel
- Historical statistics: curve chart, bar graph and Excel can be exported and the data of each time period can be displayed.
- Supports a lot of alarm linkages based on over temperature people detection
- Supports TVT thermal camera or the third-party temperature measurement device access
- Supports high temperature and low temperature threshold settings

## Specifications

Model		TD-A300-MTC-E
System	CPU	Intel® Pentium 4405U
	Memory	DDR4, 8GB
	Graphics Card	Integrated Graphics, Intel® HD Graphics 510
	Operation System	Linux
Software	Software	NVMS standard (custom)
	Decoding Capability	6CH 8MP or 8CH 5MP or 10CH 4MP or 16CH 1080P or 23CH 720P or 30CH D1 (or lower)
	Max. Number of Channel Access	256CH
	Max. Number of Device Access	64 devices
	Max. User Access	Max. 64 users
	Max. Decoding Output Number	32
	Max. Number of Transfer Server Access	1
	Max. Number of Channel Access of Third-party protocol	256CH
	Max. Number of Device Access of Third-party protocol	64
	Max. Channel Number of Simultaneous Preview	64 (for one client/user)
	Max. Channel Number of Simultaneous Playback	16 (for one client/user)
Max. Number of Views	Up to 64 view plans can be created	

	Max. Number of Channel Access of Single Transfer Service	256CH	
	Max. Number of Device Access of Single Transfer Service	64DVR/NVR or 64 IPC	
	Max. Outgoing bandwidth	100Mbps	
	Max. Online Users	5 users preview simultaneously	
	AI Capability	Support the integrated management of face detection IPCs, face match servers, face recognition terminals, face match NVRs, ANPR cameras	
		Support face detection, image search by face image, track playback, allow list and block list alarm as well as stranger alarm	
		Support face attendance, face greeting, people counting, parking lot management, temperature measurement	
	Access	Support local GUI access; external mouse, keyboard and monitor; multi-monitor display	
	Protocol	Private protocol, SDK, ONVIF, RTSP,	
	Live View	Support multi-screen display mode; support customized screen display mode, corridor mode, channel group auto-switch, stream self-adaption, manual record and snapshot	
	Record Playback	Support search record by time period, time slice, time and tag; support synchronous or asynchronous playback; support record backup	
	Alarm Linkage	Support triggering message popup, audio, live view window, recording with tag, decoding on TV Wall	
PTZ Control	zoom in, zoom out, preset, cruise, 3D control		
<b>HDD</b>	System HDD	mSATA SSD 128GB	
	Data HDD	NO	
<b>Video &amp;Audio</b>	HDMI Output	1CH HDMI @ 4K	
	VGA Output	1 VGA @ 1080P	
	Audio Output	1CH Line out	
	Two-way Audio	1CH MIC IN	
<b>External Interface</b>	Ethernet Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port	
	USB Interface	6 USB ports: USB 3.0x2 (front panel), USB 2.0x2 (rear panel), USB 3.0x2 (rear panel)	
	Wi-Fi	1xM.2 2230 (optional)	
<b>Others</b>	Power	DC 12V/3A	
	Power Consumption	≤36W	
	Working Temperature	-5°C--+45°C	
	Storing Temperature	-20°C--+70°C	
	Working Humidity	10%--95%	
	Dimensions	154mm(W)×120mm(H)×30mm(D)	
	Weight	≤0.47Kg	

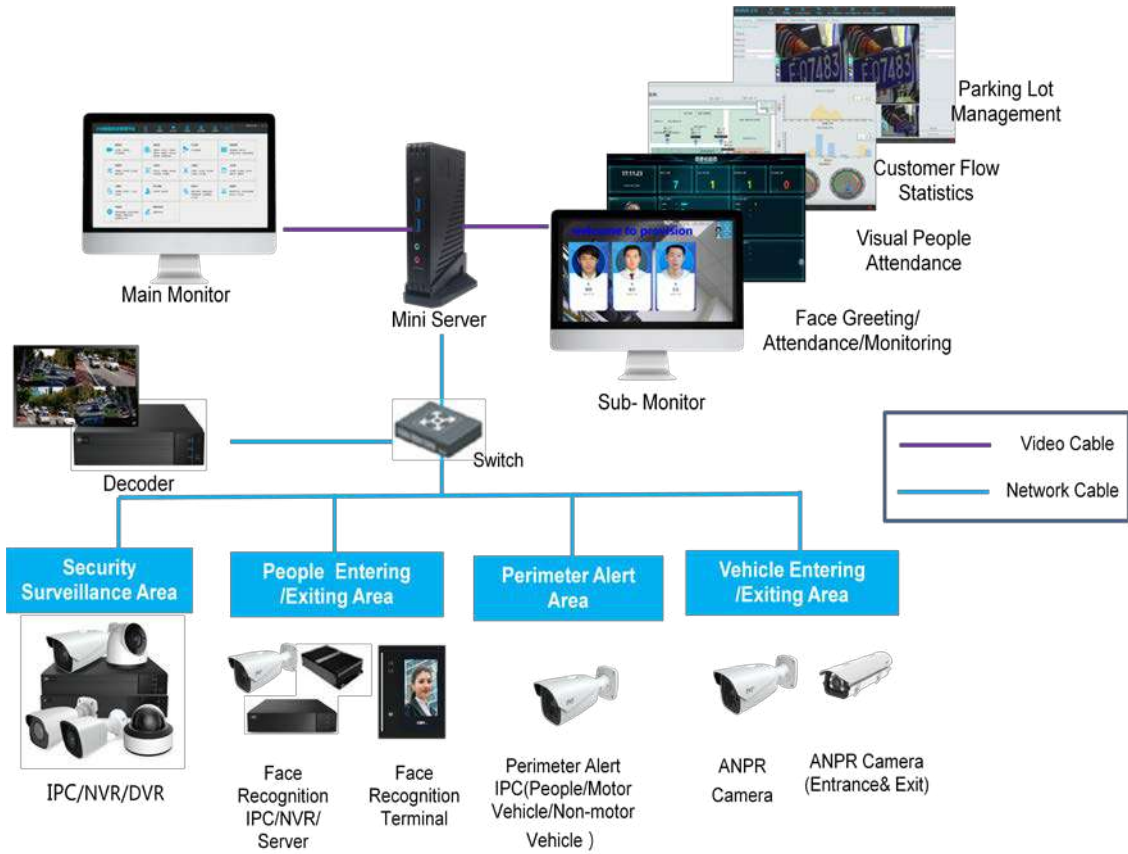
### Dimensions



**Interfaces**



**Typical Application**



## HN-3104-P – 4ch 1HDD POE NVR



### Features

- 4ch Network Video Recorder
- Standalone Embedded Linux – Economical & Reliable
- **H.265+ / H.264+** Compression
- 4ch Real-Time Display
- Support IPC up to **5MP** @25fps
- **4ch Simultaneous Playback**
- Thumbnail Search
- Dual-Stream Recording
- Support 1 SATA HDD, up to **8TB**
- Network 10/100Mbps x1
- Audio in : 4 (IPC)
- Alarm In : 4 (via IP Camera)
- HDD Failure Notification (S.M.A.R.T.)
- USB2.0 x2
- LPR Camera Support

### SPECIFICATION

Model	HN-3104-P
Video In	4ch, 28Mbps
Recording	Up to 5MP : 2592x1944 @25fps (PAL)
Compression	Support H.265+ / H.264+
Monitor Out	Full HD 1080p (2K) HDMI x1, VGA x1
POE Out	4nos 100m 100Mbps POE Ports, Max. 40W
Alarm in	4 ( via IP camera)
Storage	1x Internal SATA HDD, up to 8TB
Network	1x 10/100-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	48VDC, 1.25A, Adapter Included, 6W without IPC & HDD
Dimension (mm)	1U mini, 255(W) x 42(H) x 222(D), 1kg (w/o HDD)

## HN-3108-P – 8ch 1HDD POE NVR



**8ch NVR**

**1HDD**

**1080p HDMI**

**40Mbps**

**Thumbnail Search**

### Features

- 8ch Network Video Recorder
- Standalone Embedded Linux – Economical & Reliable
- **H.265+ / H.264+** Compression
- 8ch Real-Time Display
- Support IPC up to **5MP** @25fps
- **8ch Simultaneous Playback**
- Thumbnail Search
- Dual-Stream Recording
- Support 1 SATA HDD, up to **8TB**
- Network 10/100Mbps x1
- Audio in : 8 (IPC)
- Alarm In : 8 (via IP Camera)
- HDD Failure Notification (S.M.A.R.T.)
- USB2.0 x2
- LPR Camera Support

### SPECIFICATION

Model	HN-3108-P
Video In	8ch, 40 Mbps
Recording	Up to 5MP : 2592x1944 @25fps (PAL)
Compression	Support H.265+ / H.264+
Monitor Out	Full HD 1080p (2K) HDMI x1, VGA x1
POE Out	8nos 100m 100Mbps POE Ports, Max. 80W
Alarm in	8 ( via IP camera)
Storage	1x Internal SATA HDD, up to 8TB
Network	1x 10/100-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	48VDC, 2.5A, Adapter Included, 6W without IPC & HDD
Dimension (mm)	1U mini, 255(W) x 42(H) x 222(D), 1.5kg (w/o HDD)

*\* Specification maybe changed without prior notice*

## HN3108-V4 – 8ch 1HDD NVR



### Features

- 8ch Network Video Recorder
- Standalone Embedded Linux – Economical & Reliable
- **H.265+ / H.264+** Compression
- 8ch Real-Time Display
- Support IPC up to **5MP** @25fps
- 8ch Simultaneous Playback
- Thumbnail Search
- Dual-Stream Recording
- Support 1 SATA HDD, up to 8TB
- Network 10/100Mbps x1
- Audio in : 8 (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 8 (via IP Camera)
- HDD Failure Notification (S.M.A.R.T.)
- USB2.0 x2

8ch NVR

1HDD

1080p HDMI

64Mbps

Thumbnail Search

### SPECIFICATION

Model	HN-3108-V4
Video In	8ch, 64Mbps
Recording	Up to 5MP : 2592x1944 @25fps (PAL)
Compression	Support H.265+ / H.264+
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	Full HD 1080p (2K) HDMI x1
Alarm in	8 ( via IP camera)
Storage	1x Internal SATA HDD, up to 8TB
Network	1x 10/100-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	12VDC, 2A Adapter Included
Dimension (mm)	1U mini, 255(W) x 42(H) x 210(D), 1kg (w/o HDD)

## HN3116 – 16ch 1HDD 4K NVR



**16ch NVR**

**80Mbps**

**4K HDMI**

**1HDD**

**Thumbnail Search**

### Features

- 16ch Network Video Recorder
- Standalone Embedded Linux
- H.264/H264+/H.265 Compression
- 16ch Real-Time Display
- Support IPC up to **8MP** @25fps
- 16ch Simultaneous Playback
- Thumbnail Search
- Dual-Stream Recording
- 4K HDMI output x1
- Support 1 SATA HDD, up to 6TB
- Network 10/100Mbps x1
- 16ch Audio In (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 16 (IPC) + 4 (NVR)
- HDD Failure Notification (S.M.A.R.T.)
- USB2.0 x2

### SPECIFICATION

Model	HN3116
Video In	16ch, 80Mbps
Recording	Up to 8MP : 4096x2160 @25fps (PAL)
Compression	Support H.264 / H.264+ / H.265 IPC
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1
Alarm	32ch in (IPC) + 4ch in (NVR), 1ch out (NVR)
Storage	1x Internal SATA HDD, up to 6TB
Network	1x 10/100-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	12VDC, 2A Adapter Included
Dimension (mm)	1U mini, 255(W) x 42(H) x 210(D), 1kg (w/o HDD)

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## HN-3216-4K – 16ch 2HDD 4K NVR



### Features

- 16ch Network Video Recorder
- Standalone Embedded Linux
- **H.265+ / H.264+** Compression
- 16ch Real-Time Display
- Support IPC up to **8MP** @25fps
- 16ch Simultaneous Playback
- Thumbnail Search
- **4K HDMI** output x1
- Support 2 SATA HDD, 6TB each
- Network 10/100/1000Mbps x1
- 16ch Audio In (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 4in1out (NVR) + 16 (IPC)
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x1 (for backup), USB2.0 x1



### SPECIFICATION

Model	HN-3216-4K
Video In	16ch, 80Mbps
Recording	Up to 8MP @25fps (PAL)
Compression	Support H.264+ / H.265+ IP Cameras
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1
Alarm	4 in / 1 out (via NVR) + 16 (via IP camera)
Storage	2x Internal SATA HDD, up to 6TB each HDD
Network	1x 10/100/1000-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	12VDC, 5A Adapter
Dimension (mm)	1U, 430(W) x 55(H) x 300(D), 3kg (w/o HDD)

## HN-3216-P-V2 – 16ch 2HDD PoE NVR



### Features

- 16ch Network Video Recorder
- Standalone Embedded Linux
- **H.265+ / H.264+** Compression
- 16ch Real-Time Display
- Support IPC up to **8MP** @25fps x16
- **16ch PoE** Port
- **16ch** Simultaneous Playback
- **4K HDMI** output x1
- Support 2 SATA HDD, 8TB each
- 16ch Audio In (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 4in1out (NVR) + 16 (IPC)
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x2
- Support LPR
- Max. 10 users simultaneous login



### SPECIFICATION

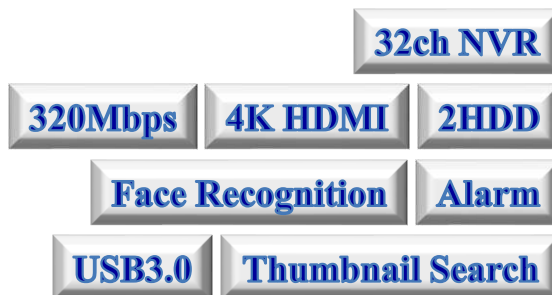
Model	HN-3216-P-V2
Video In	16ch, 112Mbps
Recording	Up to 8MP @25fps (PAL) x16ch
Compression	Support H.264+ / H.265+ IP Cameras
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1, VGA 2K x1, HDMI & VGA same source
Alarm	16 in & 16 out (via IP camera)
PoE	RJ45 100Mbps x16, IEE802.3af, Max. 150W
Network	1x 10/100/1000-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	48VDC, 3.75A Adapter, <15W without PoE & HDD
Dimension (mm)	1U, 380(W) x 45(H) x 268(D), 3kg (w/o HDD)

## HN3232-4KF-V3 – 32ch 2HDD 4K NVR + Face Recognition



### Features :

- 32ch Embedded Linux Network Video Recorder
- H.264/H.265/**H.265+** Compression
- 32ch Real-Time Display
- Support IPC up to **12MP**
- **16ch** Simultaneous Playback
- Face Detection : **32ch** (by Camera AI), **2ch** (by NVR)
- Face Recognition : **6ch**
- Face Comparison : **18** faces/s
- Database : **10,000** faces / **50,000** LPR
- 4K HDMI x**1**, 2K HDMI x**1**, 2K VGA x**1**
- **32ch** Audio In (IPC)
- Audio : **1in1out** (NVR) for 2 way Audio
- Alarm : **8in4out** (NVR) + 32 (IPC)
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x**1** (for backup), USB2.0 x**2**



### SPECIFICATION

Model	HN3232-4KF-V3
Video In	32ch, 256Mbps
Recording	12@20fps, 9 / 8 / 6 / 5 / 4 / 3 / 2 / 1 MP @25fps PAL or 30fps NTSC
Compression	Support H.264 / H.264+ / H.265+
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1, 2K HDMI x1 & 1080p VGA x1 same video source
Display	Main : 1/4/6/8/9/13/16/25/32 (live) Aux : 1/4/6/8/9 (live)
Bandwidth	320 Mbps Incoming / 256 Mbps Outgoing
Storage	2x Internal SATA HDD, up to 10TB each HDD
Network	RJ45 1000 Mbps x2
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	12VDC/4A Adapter, <20W without HDD
Dimension (mm)	1U, 380(W) x 48.1(H) x 268(D), 3kg (w/o HDD)

\* Specification maybe changed without prior notice

## HN3432-4KF-V3 – 32ch 4HDD 4K NVR + Face Recognition



**32ch NVR**

**320Mbps**

**4K HDMI**

**4HDD**

**eSATA**

**Face Recognition**

**Alarm**

**USB3.0**

**Panorama Search**

### Features :

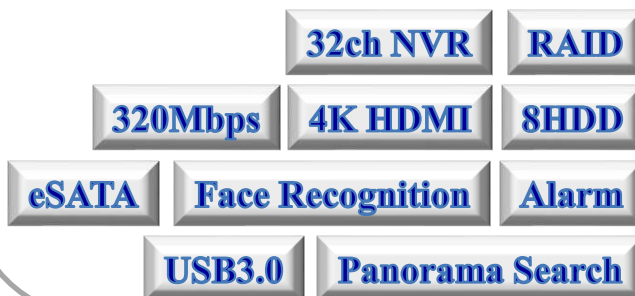
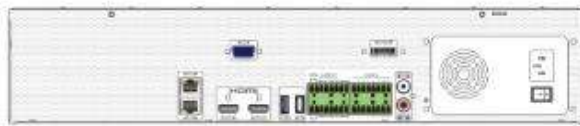
- 32ch Embedded Linux Network Video Recorder
- H.264/H.265/**H.265+** Compression
- 32ch Real-Time Display
- Support IPC up to **12MP**
- **16ch** Simultaneous Playback
- Face Detection : **32ch** (by Camera AI), **2ch** (by NVR)
- Face Recognition : **6ch**
- Face Comparison : **18** faces/s
- Database : **10,000** faces / **50,000** LPR
- 4K HDMI x**1**, 2K HDMI x**1**, 2K VGA x**1**
- **32ch** Audio In (IPC)
- Audio : **1in1out** (NVR) for 2 way Audio
- Alarm : **16in4out** (NVR) + 32 (IPC)
- eSATA x**1**
- USB3.0 x**1** (for backup), USB2.0 x**2**

### SPECIFICATION

Model	HN3432-4KF-V3
Video In	32ch, 256Mbps
Recording	12@20fps, 9 / 8 / 6 / 5 / 4 / 3 / 2 / 1 MP @25fps PAL or 30fps NTSC
Compression	Support H.264 / H.264+ / H.265+
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1, 2K HDMI x1 & 1080p VGA x1 same video source
Display	Main : 1/4/6/8/9/13/16/25/32/36 (live) Aux : 1/4/6/8/9 (live)
Bandwidth	320 Mbps Incoming / 256 Mbps Outgoing
Storage	4x Internal SATA HDD, up to 10TB each HDD
Network	RJ45 1000 Mbps x2
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	ATX 250W, <20W without HDD
Dimension (mm)	1.5U, 440(W) x 70(H) x 390(D), 5kg (w/o HDD)

\* Specification maybe changed without prior notice

## HN3832-4KF-V3 – 32ch 8HDD 4K NVR + Face Recognition



### Features :

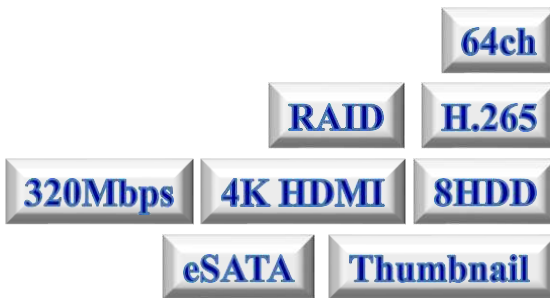
- 32ch Embedded Linux Network Video Recorder
- H.264/H.265/**H.265+** Compression
- 32ch Real-Time Display
- Support IPC up to **12MP**
- **16ch** Simultaneous Playback
- Face Detection : **32ch** (by Camera AI), **2ch** (by NVR)
- Face Recognition : **6ch**
- Face Comparison : **18** faces/s
- Database : **10,000** faces / **50,000** LPR
- 4K HDMI x**1**, 2K HDMI x**1**, 2K VGA x**1**
- **32ch** Audio In (IPC)
- Audio : **1in1out** (NVR) for 2 way Audio
- Alarm : **16in4out** (NVR) + 32 (IPC)
- eSATA x**1**, **RAID 0/1/5/6/10**
- USB3.0 x**1** (for backup), USB2.0 x**2**

### SPECIFICATION

Model	HN3832-4KF-V3
Video In	32ch, 320Mbps
Recording	12@20fps, 9 / 8 / 6 / 5 / 4 / 3 / 2 / 1 MP @25fps PAL or 30fps NTSC
Compression	Support H.264 / H.264+ / H.265+
Audio	2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1, 2K HDMI x1 & 1080p VGA x1 same video source
Display	Main : 1/4/6/8/9/13/16/25/32/36 (live) Aux : 1/4/6/8/9 (live)
Bandwidth	320 Mbps Incoming / 256 Mbps Outgoing
Storage	8x Internal SATA HDD, up to 10TB each HDD
Network	RJ45 1000 Mbps x2
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	ATX 250W, <30W without HDD
Dimension (mm)	2U, 445(W) x 70(H) x 436(D), 8kg (w/o HDD)

\* Specification maybe changed without prior notice

## HN3864-4KF-V2 – 64ch 8HDD 4K NVR with RAID



### Features

- 64ch Network Video Recorder
- Standalone Embedded Linux
- H.264/H264+/H.265 Compression
- 32ch Real-Time Display
- Support IPC up to **8MP** @25fps
- 16ch Simultaneous Playback
- UHD 4K HDMI output x1  
Full HD 1080p HDMI output x1  
Full HD 1080p VGA x1
- Support 8nos SATA HDD, 10TB each
- **eSATA x2, RAID 5**
- 2x 10/100/1000M Self Adaptive
- 2 way Audio
- Alarm In : 64 (IPC) + 8 (NVR)
- Alarm Out x4
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x1 (for backup), USB2.0 x1

### SPECIFICATION

Model	HN3864-4KF-V2
Video In	64ch, 320Mbps
Recording	Up to 8MP : 4096x1944 @25fps (PAL)
Compression	Support H.264 / H.264+ / H.265
Audio	64ch in (IPC), 2 RCA In/Out, Support 2 way Audio
Monitor Out	1080p HDMI x1, VGA x1, 4K HDMI x1
Alarm	64ch in (IPC) + 8ch in (NVR), 4 Alarm Out (NVR)
Storage	8x Internal SATA HDD, 2x eSATA, 10TB each HDD, RAID 5
Network	2x 10/100/1000-BaseT, RJ45
Working Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	AC110~240, <15W without HDD
Dimension (mm)	2U, 430(W) x 90(H) x 450(D), 8.5kg (w/o HDD)

## HN31664-4KF-V2 – 64ch 16HDD 4K NVR

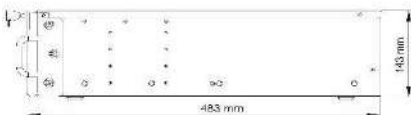
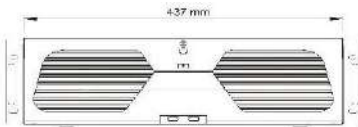


### Features

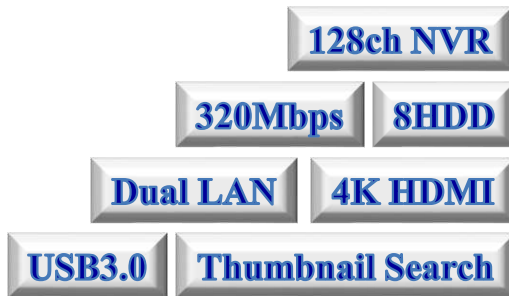
- 64ch Network Video Recorder
- Standalone Embedded Linux
- H264+/**H.265+** Compression
- 32ch Real-Time Display
- Support IPC up to **8MP**
- 16ch Simultaneous Playback
- **4K HDMI x1**, 2K HDMI x1, 2K VGA x1
- 16 Surveillance HDD Bay, max. 10TB each
- 1Gbps TCP/IP Port x2
- 64ch Audio In (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 32 (IPC), 8in4out (NVR)
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x1 (back), USB2.0 x2 (front)
- 230VAC Input
- **eSATA x1**

### SPECIFICATION

Model	HN31664-4KF-V2
Video In	64ch, 320Mbps
Recording	Up to 12MP : 4098x1944 @25fps (PAL)
Compression	Support H.264+ / H.265 IPC
Audio	64 (IPC) + 2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1 , 1080p HDMI x1, 1080p VGA x1
Alarm	64ch in (IPC) + 8ch in /4ch out (NVR)
Storage	16x Internal SATA HDD, up to 10TB each
Network	2x 10/100/1000-BaseT, RJ45
W. Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	230VAC In, ATX 250W Internal Power Supply
Dimension (mm)	4U, 437(W) x 483(D) x 143(H), 12kg (w/o HDD)



## HN316128-4K – 128ch 16HDD 4K NVR



### Features

- 128ch Network Video Recorder
- Standalone Embedded Linux
- H264+/**H.265+** Compression
- 32ch Real-Time Display
- Support IPC up to **8MP**
- 16ch Simultaneous Playback
- **4K HDMI x1**, 2K HDMI x1, 2K VGA x1
- 16 Surveillance HDD Bay, max. 8TB each
- 1Gbps TCP/IP Port x2
- 128ch Audio In (IPC)
- Audio 1in1out (NVR) for 2 way Audio
- Alarm In : 32 (IPC), 8in4out (NVR)
- HDD Failure Notification (S.M.A.R.T.)
- USB3.0 x1 (back), USB2.0 x2 (front)
- 230VAC Input
- **eSATA x1**

### SPECIFICATION

Model	HN316128-4K
Video In	128ch, 512Mbps
Recording	Up to 8MP : 4098x1944 @25fps (PAL)
Compression	Support H.264+ / H.265 IPC
Audio	128 (IPC) + 2 RCA In/Out, Support 2 way Audio
Monitor Out	4K HDMI x1 , 1080p HDMI x1, 1080p VGA x1
Alarm	128ch in (IPC) + 8ch in /4ch out (NVR)
Storage	16x Internal SATA HDD, up to 8TB each
Network	2x 10/100/1000-BaseT, RJ45
W. Environment	-10° ~ 50°C, <90° Humidity (Non-Condensing)
Power	230VAC In, ATX 250W Internal Power Supply
Dimension (mm)	4U, 437(W) x 483(D) x 143(H), 12kg (w/o HDD)

