

# Z8536NMR-S | ZKBio Sense Series

## H.265+ 36 Channels Smart Network Video Recorder



- H.265+ / H.265 / H.264 decoding
- Support 36 channel IP cameras input and preview
- 16 channels realtime playback synchronously
- HDMI output up to 4 K high definition
- Embedded with smart human and vehicle classification algorithm
- Multiple intelligent video analytics functions (up to IPC) displaying
- Support multiple web browsers login
- P2P cloud service supported

## Product Overview

ZKBio Sense Series Network Video Recorders (NVR) are the back-end storage stations of the new intelligent video surveillance solution released by ZKTeco based on the Deep-Learning algorithm and Computer Vision technology.

Embedded with advanced and powerful CPU, and ZKTeco's graphical operation system, ZKBio Sense Series NVRs are the ideal couples for the front-end ZKBio Sense Series IP Cameras. This series NVR can support 24/7 continuous recording of videos and intelligent alarm events, generated by the front-end IP Cameras, and safely store them in hard disks by human and vehicle classification. After the event, ZKBio Sense Series NVRs allow users to efficiently retrieve and playback the target video evidences, especially for the key types of targets: humans, vehicles and objects, thus paying more attention to the effective video clips and alarm events.

ZKBio Sense Series NVRs can greatly improve the efficiency and safety of the entire video surveillance system, which can be widely used in different scenarios, such as smart school, office, industrial park, community, public security, etc.

## Core Features

### H.265+ HEVC

H.265+ is an evolutionary optimization of the traditional H.264, it includes a series of encoding strategy such as ROI, smart 2D/3D noise reduction, etc. Delivering high quality video with up to 75% lower bandwidth.

### IVA (Intelligent Video Analytics)

ZKBio Sense Series NVRs support multiple intelligent video analytic functions coupled with ZKBio Sense IP Cameras, such as Target Counting, Object Lost/Left, Line Crossing, Area Detection, and Smart Motion Detection, which are based on human and vehicle targets classification.

### Smart Retrieval

ZKBio Sense Series NVRs support smart retrieval for video and alarm events by human and vehicle classification, which enables users to search for the target video clips and alarm events efficiently.

### ANR (Only for SD card IPC models)

When the network between ZKBio Sense Series IP Cameras and ZKBio Sense Series NVRs is interrupted, videos can be automatically saved on the SD card of the front end, and then uploaded to the back end after the network is restored, so as to avoid video loss.

## Alarm Push Notification

Alarm events received from ZKBio Sense Series NVRs can be configured with some linkage actions, such as e-mail, audio, buzzer and alarm messages. These linkages can be pushed to mobile App and management platform software in real time.

## Technical Specification

Model	Z8536NMR-S
<b>System</b>	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Operation Interface	Web browser and Local GUI
<b>Video and Audio</b>	
Max. IPC Video Input	36 CH
Two-way Talk	Support
Audio Compression	G.711 u
Max. Audio Input	36 CH by IPC
The Third Party Camera Access	ONVIF and RTSP
<b>Live View</b>	
Display Split	1 / 4 / 6 / 8 / 9 / 16 / 24 / 32 / 36 CH
Resolution	8 MP (3840 × 2160) / 5 MP (2592 × 1944) / 2 MP (1920 × 1080) / 1.3 MP (1280 × 1024) / 1 MP (1280 × 720) / D1 (1024 × 768)
Live View Capability	36 CH @ D1 (25 / 30 fps)
<b>Recording</b>	
Video Compression	H.265+ / H.265 / H.264
Recording Resolution	8 MP / 5 MP / 4 MP / 3 MP / 1080 P / 960 P / 720 P / D1
Max. Decoding Capability	36 CH @ D1 (25 / 30 fps)
Incoming Bandwidth	216 Mbps
Outgoing Bandwidth	216 Mbps
Stream Type	Video, Video & Audio
Bit Rate	Main Stream: 256 Kbps to 8192 Kbps Sub Stream: 50 Kbps to 700 Kbps
Storage Method	Local hard drive and network
Record Mode	Schedule, Manual, Motion Detection, IVA Events Alarm
Record Interval	1 to 120 min (default: 60 min), Pre-record: 1 to 30 sec, Post-record: 10 to 300 sec
<b>Playback and Backup</b>	
Playback Channel	16 CH synchronously playback
Search Mode	Time / Date, Alarm Types, IVA Search
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
<b>Intelligent Video Analytics</b>	
IVA by Camera	Line Crossing, Area Detection, Smart Motion Detection (base on human and vehicle classification), Target Counting, Object Lost / Left
Local IVA Functions Displaying	Line Crossing, Area Detection, Smart Motion Detection (base on human and vehicle classification), Target Counting, Counting Statistics, Object Lost / Left
IVA by Device(Number of Channels)	Up to IPC
IVA by Camera (Number of Channels)	36

IVA Alarm	
Smart IVA Alarm	Line Crossing, Area Detection, Smart Motion Detection (base on human and vehicle classification), Target Counting, Counting Statistics, Object Lost / Left
Regular Detection	Motion Detection / Video Shelter / Video Loss
Anomaly Alarm	HDD Full, No HDD, S.M.A.R.T error, Network disconnected, IP conflict
Alarm Linkage	Preview, Recording, Snapshot, Buzzer, Preset, Email, Tour, Upload center
Smart Search	Support smart search out target video by human and vehicle classification filtering
Network	
Network Protocol	TCP / IP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTSP, NTP, UPnP, SMTP, IPv4, UDP, SSL / TLS, PPPoE, SNMP, WebSocket, P2P
Max. Online User	5
Web Browser	Google Chrome / Microsoft Edge / Firefox / Safari / Opera
Operation System	Windows
Management Platform	ZKBio CVSecurity / CVAccess / AntarVis 2.0 HTML 5 version firmware supports 16 channels synchronouse live view and 8 channels playback at ZKBio CVSecurity / CVAccess
Mobile Application	AntarView Pro + (iOS and Android)
P2P Cloud Service	Support
Interoperability	ONVIF Profile S / G, SDK, CGI, API
Storage and Auxiliary Interface	
SATA Ports	4 SATA Ports, up to 8 TB capacity each
eSATA	N/A
Raid 0 / 1 / 5 / 6 / 10	N/A
HDMI	1 × HDMI (4K)
VGA	1 × VGA (1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz)
Network Interface	1 × RJ-45 Port (10 / 100 / 1000 Mbps)
PoE Ports	N/A
Standard	N/A
USB	2 × USB 2.0
Audio Input / Output	1 / 1
Alarm Input / Output	4 / 1
RS-485	Support
RS-232	N/A
Power	
Power Supply	DC 12 V / 6 A
Power Consumption	≤ 35 W (without HDD)
General	
Casing	1.5 U
Operating Temperature	-10 °C to 55 °C / 14 °F to 131 °F
Operating Humidity	10% to 90%
Storage Humidity	10% to 90%
Operating Altitude	3,000 m (9,842.52 ft)
Installation	Desktop / Cabinet mount
Dimensions (L × W × H)	430 × 318 × 65.5 (mm)
Net Weight	5.5 kg (without HDD)
Gross Weight	6 kg (without HDD)
Certifications	CE-EMC; FCC certification

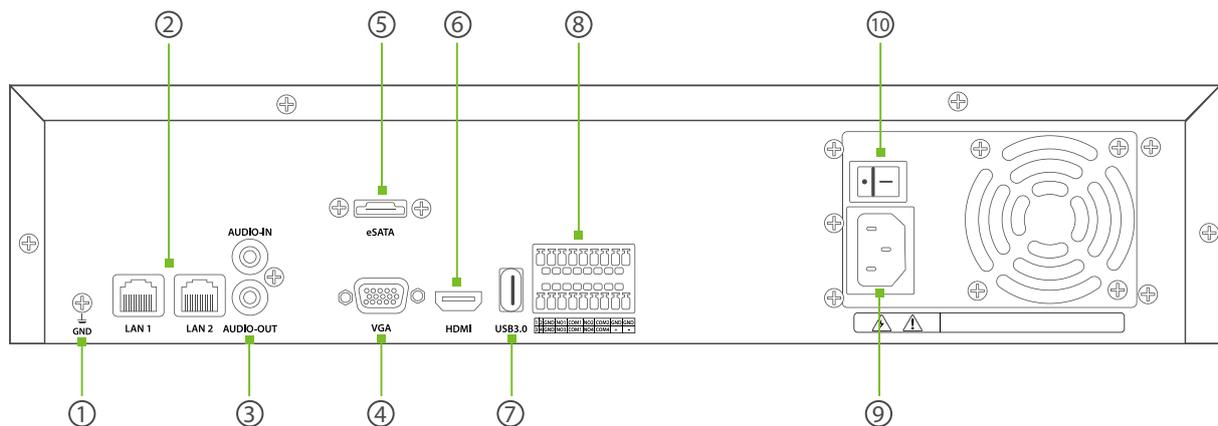
## Order Information

Name	Model	Description
ZKBio Sense Smart NVR	Z8536NMR-S	36 CH H.265+ NVR, 4 SATA

## Dimensions (mm)



## Rear Panel



NO.	Description	NO.	Description
1	GND	6	HDMI Interface
2	LAN Network Interface	7	USB 3.0 Interface
3	AUDIO Interface	8	Alarm Interface
4	VGA Interface	9	Power Supply
5	E-SATA Interface	10	Power Switch

