

# Z8516NFR-16P/Z8532NFR-16P

16/32-Channel 4K H.265+ Network Video Recorder with 16 POE



- H.265+/H.265/H.264 decoding
- Support 16- or 32-channel 4K IP cameras input & preview
- Support 16 channels real-time playback synchronously
- With 16 POE ports for plug & play
- Super POE up to 250m long distance transmission
- HDMI output up to 4K high definition
- Intelligent video analytics functions (up to IPC)
- DHCP, DNS, DDNS, NTP, UPNP, RTSP, etc.
- Support multiple web browsers login
- P2P cloud service supported
- ONVIF Profile S compatible

## System Overview

ZKTeco Z8000NFR-16P series NVR are built-in with power-over-ethernet (POE) for IPC connection, no extra power supply and switch needed for IPC deployment, plug & play, easy installation. The NVR could deliver up to 4K resolution excellent image over advanced H.265+ decoding. It's an ideal consideration for the balance of quality, performance, and budget.

The user-friendly GUI provides intuitive shortcut operations, remote control, management, flexible storage, and playback. Powered by the reliable interoperability and ONVIF Profile S, it's compatible with plenty of 3rd-party IPC or crossing platform VMS. The devices can be used in governmental institutions, bank sectors, manufacturers, educational or commercial projects.

## Functions

VA functions supported (Intelligent Video Analytics) such as Line Crossing / Target Counting / Object Left/Lost / Intrusion / Scene Change / VQD, etc. (up to IPC)

User-friendly & full function VMS / Mobile App

Alarm events linkage actions such as email, audio, buzzer and alarm push message to Mobile App and VMS

## Technical Parameters

Model	Z8516NFR-16P	Z8532NFR-16P
<b>System</b>		
Main Processor	Multi-core embedded processor	
Operating System	Embedded LINUX	

## Video and Audio

Max IPC Input	16CH	32CH
Two-way Talk	Support	
Audio Compression	G.711u	

## Live View

Display Split	1/4/6/9/16 CH	1/4/6/9/16/32 CH
Resolution	8MP(3840*2160) / 5MP(2592*1944) / 2MP(1920*1080) / 1.3MP(1280*1024) / 1Mp(1280*720) / D1(1024*768)	
Live View Capability	16CH@5MP(25/30fps)	32CH@5MP(25/30fps)

## Recording

Video Compression	H.265+ / H.265 / H.264	
Recording Resolution	8Mp/5MP/4MP/3MP/1080P/960P/720P/D1	
Max. Decoding Capability	4CH@5MP(25/30fps)/16CH@D1(25/30fps)	
Incoming Bandwidth	80 Mbps	
Bit Rate	Main Stream: 256Kbps ~ 8192Kbps	
	Sub Stream: 50Kbps ~ 700Kbps	
Record Mode	Schedule, Manual, Motion Detection, 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
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

## IVA Alarm

Local IVA Functions	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
Max. Online User	5
Web Browser	Internet Explorer
Operation System	Windows
Management Platform	AntarVis 2.0
Mobile Application	AntarView Pro (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	
eSATA	N/A	
Raid 0/1/5/6/10	N/A	
HDMI	1*HDMI (4K)	1*HDMI (1080P)
Network Interface	1 RJ-45 Port (1000Mbps)	
PoE Ports	16	
USB	2*USB 2.0	
Audio Input/Output	1/0	
Alarm Input/Output	N/A	
RS-485	Support	

## Power

Power Supply	AC100~240V 5A input / DC 52V/4.6A output	
Power On/Off Switch	N/A	
Power Consumption	NVR: 20W (without HDD)	
	PoE ports: 15W for each output up to 250m transmission	

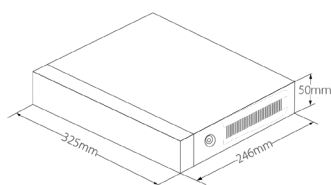
## General

Casing	1.5U	
Working Temperature	-10°C ~ 55°C / 14°F ~ 131°F	
Working Humidity	10% ~ 90%	
Dimensions (L*W*H)	325 * 246 * 50 (mm)	
Net Weight	3kg (without HDD)	
Gross Weight	3.5kg (without HDD)	

## Order Information

Name	Model	Description
PoE NVR	Z8516NFR-16P	16CH H.265+ PoE NVR, 2SATA
	Z8532NFR-16P	32CH H.265+ PoE NVR, 2SATA

## Dimensions (mm)



## Rear Panel

