

Z8504NER-4P / Z8508NER-8P

4/8-Channel H.265+ Network Video Recorder with 4/8 POE



- H.265+/H.265/H.264 decoding
- Support 4- or 8-channel 5MP IP cameras input & preview
- Support 4- or 8-channel real-time playback synchronously
- With 4/8 POE ports for plug & play
- Super POE up to 250m long distance transmission
- HDMI output up to 1080P 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 Z8000NER-4P/8P 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 5MP 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

IVA 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	Z8504NER-4P	Z8508NER-8P
System		
Main Processor	Multi-core embedded processor	
Operating System	Embedded LINUX	

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Video and Audio		
Max IPC Input	4CH	8CH
Two-way Talk	Support	
Audio Compression	G.711u	
Live View		
Display Split	1/4 CH	1/4/8 CH
Resolution	5MP(2592*1944) / 2MP(1920*1080) / 1.3MP(1280*1024) / 1MP(1280*720) / D1(1024*768)	
Live View Capability	4CH@5MP(25/30fps)	8CH@5MP(25/30fps)
Recording		
Video Compression	H.265+ / H.265 / H.264	
Recording Resolution	5MP/4MP/3MP/1080P/960P/720P/D1	
Max. Decoding Capability	4CH@5MP(25/30fps)	4CH@5MP(25/30fps)/8CH@D1(25/30fps)
Incoming Bandwidth	40 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	4CH	8CH
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	
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	

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Storage & Auxiliary Interface

SATA Ports	1 SATA Port, up to 8 TB capacity	
eSATA	N/A	
Raid 0/1/5/6/10	N/A	
HDMI	1*HDMI (1080p)	
VGA	1920*1080/60Hz, 1280*1024/60Hz	
Network Interface	1 RJ-45 Port (100Mbps)	
PoE Ports	4	8
USB	2*USB 2.0	
Audio Input/Output	0/1	
Alarm Input/Output	N/A	
RS-485	N/A	

Power

Power Supply	DC 48V/1.5A	DC 48V/2.5A
Power On/Off Switch	N/A	
Power Consumption	NVR: 15W (without HDD) PoE ports: 15W for each output up to 250m transmission	

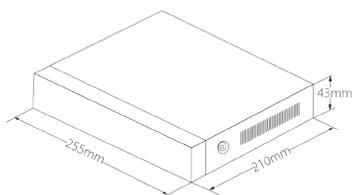
General

Casing	1U	
Working Temperature	-10°C ~ 55°C / 14°F ~ 131°F	
Working Humidity	10% ~ 90%	
Dimensions (L*W*H)	255 * 210 * 43 (mm)	
Net Weight	2.5kg (without HDD)	
Gross Weight	3kg (without HDD)	

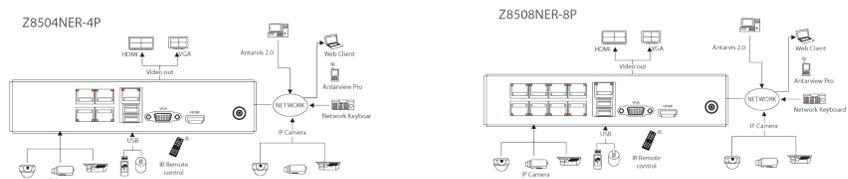
Order Information

Name	Model	Description
PoE NVR	Z8504NER-4P	4CH H.265+ PoE NVR, 1SATA
	Z8508NER-8P	8CH H.265+ PoE NVR, 1SATA

Dimensions (mm)



Rear Panel



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