ZKTeco USA

Z8508NEQ / Z8516NEQ

8/16-Channel H.265 Network Video Recorder

USA INSPECTED NDAA COMPLIANT

- H.265/H.264 decoding
- Support 8- or 16-channel 5MP IP cameras input & preview
- Support 4-channel real-time playback synchronously
- HDMI output up to 1080P high definition
- Intelligent video analytics functions
- TCP/IP, DHCP, DDNS, SMTP, NTP, UPNP, RTSP, etc.
- P2P cloud service supported
- ONVIF Profile S compatible

System Overview

NVR of the Z8000NEQ series 8/16CH models 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 Tripwire / Target Counting / Object Left/Lost / Intrusion , etc.

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	Z8508NEQ	Z8516NEQ
System		
Main Processor	Multi-core embedded processor	
Operating System	Embedded LINUX	

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Video and Audio		
Max IPC Input	8CH	16CH
Two-way Talk	Support	
Audio Compression	G.711u	
Live View		
Display Split	1/4/6/8 CH	1/4/6/9/16 CH
Resolution	5MP(2592*1944) / 2MP(1920*1080) / 1.3MP(1280*1024) / 1MP(1280*720) / D1(1024*768)	
Live View Capability	1CH@5MP / 8CH@D1(25/30fps)	1CH@5MP / 16CH@D1(25/30fps)
Recording		
Video Compression	H.265 / H.264	
Recording Resolution	5MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
Max. Decoding Capability	8CH@5MP (25/30fps)	16CH@5MP (25/30fps)
Incoming Bandwidth	60 Mbps	80 Mbps
Bit Rate	Main Stream: 16Kbps ~ 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 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	
IVA Alarm		
Local IVA Functions	Tripwire / Target Counting / Counting Statistics/Object Left/Lost / Intrusion	
Regular Detection	Motion Detection / Video Shelter / Video Loss	
AI Search	Support search target video by multiple intelligent conditions	
Network		
Network Protocol	TCP/IP, UDP, HTTP, DDNS, SMTP(SSL), DHCP, RTSP, NTP, P2P	
Max. Online User	20	
Web Browser	Internet Explorer/Microsoft Edge	
ANR (Automatic Network Replenishment)	Support	
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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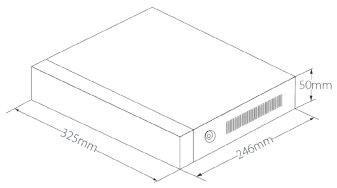
Storage & Auxiliary Interface	
SATA Ports	1 SATA Port, up to 12 TB capacity
eSATA	N/A
Raid 0/1/5/6/10	N/A
HDMI	1*HDMI (1080P)
VGA	1920*1080/60Hz, 1280*1024/60Hz
Network Interface	1 RJ-45 Port (10/100Mbps)
PoE Ports	N/A
USB	3*USB 2.0
Audio Input/Output	0/1 output
Alarm Input/Output	N/A
RS-485	N/A
Power	
Power Supply	DC 12V/2A
Power Consumption	24W (without HDD)
General	
Casing	1U
Working Temperature	-10°C ~ 55°C / 14°F ~ 131°F
Working Humidity	0% ~ 90%
Dimensions (L*W*H)	255 * 210 * 43 (mm)
Net Weight	2.5kg (without HDD)
Gross Weight	3kg (without HDD)

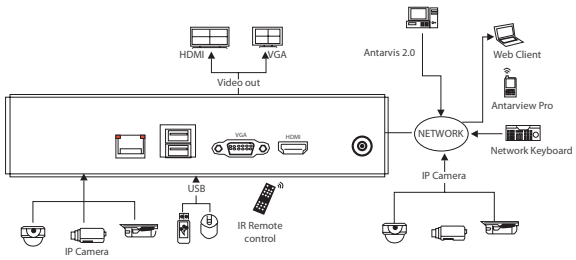
Order Information

Name	Model	Description
NVR	Z8508NEQ	8CH H.265 NVR, 1SATA
	Z8516NEQ	16CH H.265 NVR, 1SATA

Dimensions (mm)



Rear Panel



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