

Z8416XF-PL | H.265 8MP Lite DVR series

H.265 16CH 8MP Lite Penta-brid Digital Video Recorder



- H.265/H.264 decoding
- Support AHD/TVI/CVI/CVBS/IP video input
- Hybrid extra IP channels input up to 4 channels
- Support 16-channel 8MP Lite resolution preview
- HDMI output up to 4K UHD
- Intelligent video analytics functions
- Support multiple web browsers login
- P2P cloud service supported
- ONVIF Profile S compatible

System Overview

DVRs of the Z8400XE/F-PL series could deliver images up to 8MP Lite resolution over advanced H.265 compression. It's an ideal consideration for the balance of quality, performance, and budget.

The friendly GUI provides intuitive shortcut operations, remote control, and management, flexible storage, smart search and playback, these DVRs have been widely used in governmental institutions, banking sectors, manufacturers, educational, and commercial projects.

Powered by the reliable interoperability based on ONVIF Profile S, the DVRs are also compatible with variety of 3rd-party IP cameras.

Functions

H.265 Decoding

Based on advance H.265 decoding technology, the DVR delivers high-quality videos with up to 70% bandwidth saving comparing to traditional H.264.

Penta-brid Video Input

Penta-brid video input mode seamlessly records video from AHD, TVI, CVI, CVBS and IP sources simultaneously, provide an easy integration into existing video surveillance systems while leveraging existing networks, cabling, and cameras.

Intelligent Video Analytics (IVA)

It allows detection of multiple object behaviors, such as Face Detection, Line Crossing, Area Intrusion, Objects Detection, Target Counting, and quickly and accurately responds to monitoring events in a specific area.

Technical Specifications

Model	Z8416XF-PL
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System

Main Processor	Multi-core Embedded Processor
Operation System	Embedded LINUX

Video and Audio

Video Input	16CH BNC
Two-way Talk	Support
Audio Compression	G.711a
Audio Bitrate	64Kbps
AHD Input	8MP, 5MP, 4MP, 1080P, 720P
TVI Input	8MP, 5MP, 4MP, 1080P, 720P
CVI Input	8MP, 4MP, 1080P, 720P
CVBS Input	Support
IPC Input	20CH 8MP
Hybrid Mode	16CH (AHD/TVI/CVI/CVBS)+4CH (IP)

Live View

Display Split	1/4/6/8/9/12/16/20
Resolution	8MP/5MP/4MP/1080P/1080P Lite/ 720P/960H/D1
Live View Capability	20CH

Recording

Video Compression	H.265
Recording Resolution	8MP Lite/5MP/4MP/1080P/720P/960H/D1
Encoding Capability	16CH 8MP Lite@8fps, 5MP @12fps, 4MP@15fps, 1080P/720P/960H/D1@25fps
Incoming Bandwidth	128Mbps
Bitrate	Main Stream: 11Kbps ~ 8192Kbps Sub Stream: 50Kbps ~ 700Kbps
Record Mode	Manual/External Alarm/ Motion/Scheduled/IVA Alarm
Record Interval	1-120min (default: 60min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Playback and Backup

Playback Channel	1/4/8/9/12/16
Search Mode	IVA Search/Time/Motion Detection
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	Target Counting, Object Abandon/Missing, Intrusion, Tripwire, Human Detection
Regular Detection	Motion Detection/Video Tampering/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, ONVIF
Max. Online User	5
Web Browser	IE / Safari / Google Chrome / Firefox
Operation System	Windows
Management Platform	AntarVis 2.0 / ZKBioAccess IVS / ZKBioSecurity V5000
Mobile Application	AntarView Pro (iOS & Android)
P2P Cloud Service	Support
Interoperability	ONVIF Profile S, SDK

Storage & Auxiliary Interface

SATA Ports	2 SATA (up to 8TB each port)
eSATA	N/A
Raid 0/1/5/6/10	N/A
HDMI	1*HDMI (4K)
VGA	1*VGA (1080P)
Network Interface	1 RJ-45 Port (10/100/1000Mbps)
USB	2*USB 2.0
Audio Input/Output	N/A
Audio over Coaxial (AoC)	Support
Alarm Input/Output	N/A
RS-485	Support
POS	Support

Power

Power Supply	DC 12V/3A
Power Consumption	Max. 36W without HDD

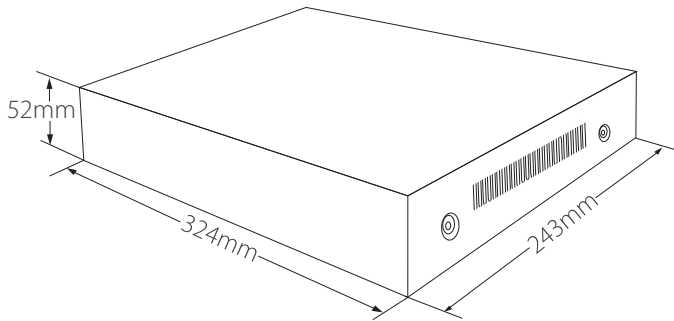
General

Casing	1.5U
Working Temperature	-10°C ~ 55°C
Working Humidity	10% ~ 90%
Dimensions (L*W*H)	243 * 324 * 52 (mm)
Net Weight	1.3kg
Gross Weight	1.81kg

Ordering Information

Type	Part Number	Description
H.265 DVR	Z8416XF-PL	16 CH H.265 8MP Lite 2 SATA DVR

Dimensions (mm)



Rear Panel

