

# EZ-XVR1C04HS-4KL

4 Channels Penta-brid 4K-N/5MP Compact 1U 1HDD Digital Video Recorder



EZ-IP is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on EZ-IP's advanced technologies, EZ-IP provides intelligent, simple and inclusive products and solutions.

## Series Overview

EZ-IP debuted its new XVR series, EZ-IP Series featuring max. full-channel SMD Plus to benefit customers from AI upgrade (The number of channels differs depending on the model. Please refer to the specifications below for information on the number of channels.). This series has been developed to reduce false-alarm rates and the cost of human surveillance, thus bringing great value to customers in search of products with accurate human/vehicle alarm to raise the security level of various indoor and outdoor facilities.

## Functions

### SMD Plus

With intelligent algorithm, EZ-IP Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

### One-click Arming/Disarming

With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

- H.265+/H.265 dual-stream video compression
- Supports all-channels AI Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 8 channels IP camera inputs, each channel up to 8MP; Max 64 Mbps incoming bandwidth
- Up to 4 channels video stream (analog channel) SMD Plus



### Customizable Alarm Audio

Designed for your convenience, the TIOc alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

### AI Coding

Compared with H.265/H.264, AI coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

### Audio over Coax

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

## Technical Specification

### System

Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI

### SMD Plus

SMD Plus by Recorder	4-channel: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
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### Audio and Video

Analog Camera Input	4 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured.
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Camera Input	1. CVI: 4K, 6 MP, 5 MP, 4 MP, 1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps. 2. TVI: 4K, 5 MP, 4 MP, 3 MP, 1080p@25/30 fps, 720p@25/30 fps. 3. AHD: 4K, 5 MP, 4 MP, 3 MP, 1080p@25/30 fps, 720p@25/30 fps.
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IP Camera Input	Up to 8 channels of IPC access 4 IP channels by default + 4 channels (analog channels are converted to IP channels) incoming bandwidth: 64 Mbps, recording bandwidth: 64 Mbps and outgoing bandwidth: 64 Mbps *After IP channels are added beyond the existing channels, the AI Function will be disabled.
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Encoding Capacity	Main stream: All channel 4K (1 fps-7 fps); 6MP (1 fps-10 fps); 5MP (1 fps-12 fps); 4K-N, 4MP/3MP (1 fps-15 fps); 4M-N/1080p/720p/960H/D1/CIF (1 fps-25/30 fps); Sub stream: 960H (1 fps-15 fps); D1/CIF (1 fps-25/30 fps)
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Dual-stream	Yes
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Video Bit Rate	32 kbps-6144 kbps
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Audio Sampling	8 kHz, 16 bit
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Audio Bit Rate	64 kbps
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Video Output	1 HDMI, 1 VGA VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720
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Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/8/9
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Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung
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### Compression Standard

Video Compression	AI Coding; H.265+; H.265; H.264+; H.264
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Audio Compression	G.711a; G.711u; PCM
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### Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
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Mobile Phone Access	iOS; Android
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Interoperability	ONVIF 21.06; CGI Conformant
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Browser	Chrome IE9 or later Firefox
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Network Mode	Single-address mode
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## Recording Playback

Record Mode	General, motion detection; alarm; POS
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Recording Playback	1/4
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Backup Method	USB device and network
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Playback Mode	Instant playback, general playback, event playback, tag playback
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## Alarm

General Alarm	Motion detection, video loss, tampering
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Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
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Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email
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## Ports

Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)
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Audio Output	1-channel RCA
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Two-way Talk	Yes (share the same audio input with the first channel)
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HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature.
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RS-485	1 port, for PTZ control
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USB	2 USB ports (USB 2.0)
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HDMI	1
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VGA	1
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Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
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## General

Power Supply	12 VDC, 2 A
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Power Consumption	<7 W
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Net Weight	0.53 kg (1.17 lb)
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Gross Weight	1.07 kg (2.36 lb)
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Product Dimensions	260.0 mm × 237.9 mm × 47.6 mm (10.24" × 9.37" × 1.87") (W × D × H)
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Packaging Dimensions	333.0 mm × 315.0 mm × 89.0 mm (13.11" × 12.40" × 3.50") (W × D × H)
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Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
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Operating Humidity	0%-90% (RH)
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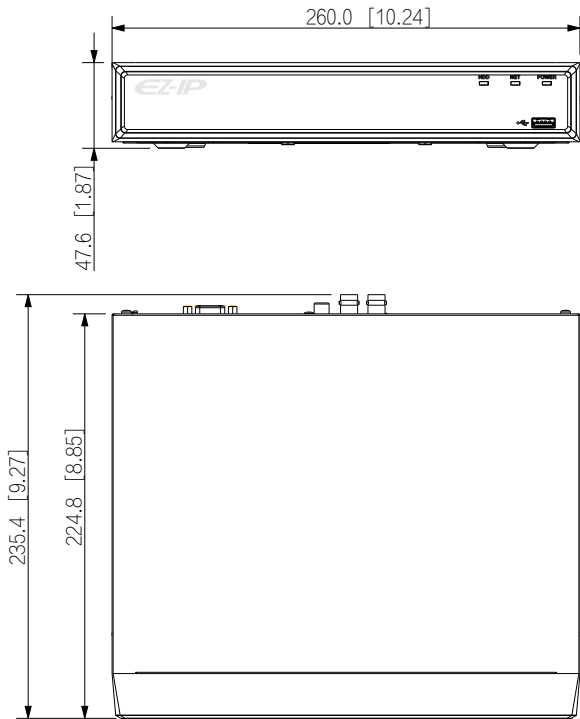
Installation	Desktop
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Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN50130; EN 55024
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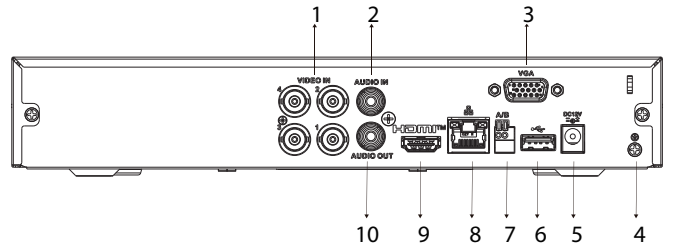
**Ordering Information**

Type	Model	Description
4 Channels XVR	EZ-XVR1C04HS-4KL	Compact 1U Digital Video Recorder

**Dimensions (mm[inch])**



**Panels**



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 VGA Port
- 4 Ground
- 5 Power Input
- 6 USB Port
- 7 RS-485 Port
- 8 Network Port
- 9 HDMI Port
- 10 AUDIO OUT, RCA Connector