EZIP-KIT/NVR1B04HS-4P/H/4-IPC-T3B50P/2TB

4CH Smart 1HDD H.265+ 5MP Network Security System

· H.265+/H.264+/H.265/H.264, high compression rate,ultra-low bit rate.

· PoE connection.

· 4 × 5 MP IR fixed network eyeball camera.

· 1 × NVR, Decoding capability up to 8 MP resolution.

· 4-channel 1080p@30 fps, self-adaptive decoding capability.

· VGA/HDMI simultaneous video output, maximum resolution of HDMI is 1080p.

· 5MP, 1/2.8" CMOS image sensor, low illuminance, high image definition.

· Outputs max. 5 MP (2880 × 1620)@20 fps.

· Built-in IR LED, max. IR distance: 30 m.

· IP67 protection.

Series Overview

EZIP IP KIT is a product package including cameras and recorders. They are easy to be installed and connected, which can help customer save more time and human labor. This solution can be widely used in retails, homes and other small and medium-sized enterprises.

Scene

This NVR is suitable for places such as retail stores, families, courtyards and public areas.

Functions

New User Interface

Local and web interfaces adopt the new UI 4.0 style which is more consistent with users' habits. Functional modules are divided clearer and easier to understand.

Decoding (Smart H.265+/Smart H.264+)

smart encoding (H.265+/ H.264+) is the optimized implementation of (H.265/H.264) codec that uses a scene-adaptive encoding strategy, providing more efficiency in the encoding process and higher video quality, and reducing the cost of storage and transmission significantly. This NVR supports the corresponding decoding.

Security Center

Security Center provides a whole picture of device security and helps protect the NVR with security scan, attack defense, certificate management, audio and video encryption and security settings. Security warnings will be sent trough many ways such as email, message, voice prompts.

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Technical Specification

System

Main Processor	Industrial-grade embedded processor
Operating System	Embedded Linux
Operation Interface	Web/operating in local GUI

Video

Access Channel	4 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding
Resolution	8MP; 5MP; 4MP; 3MP; 1080p; 720p; D1; CIF
Decoding Capability	1–ch@8MP (30 fps) or 1–ch@5MP (30 fps) or 2–ch@4MP (30 fps) or 2–ch@3MP (30 fps) or 4–ch@1080p (30 fps)
Video Output	1 VGA/1 HDMI simultaneous video output, maximum resolution 1080p
Multi-screen Display	1/4
Third Party Camera Access	Onvif, RTSP

Compression

Video	Smart H.265+/H.265/Smart H.264+/H.264
Audio	PCM; G711A; G711U; G726

Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; RTSP; UDP; NTP; DHCP; DNS; P2P
Mobile Phone Access	iDMSS (iOS); gDMSS (Android)
Access Standard	ONVIF (profile T/profile S/profile G); CGI; SDK
Browser	Chrome; IE9 or above; Firefox

Record Playback

Multi-channel Playback	Up to 4 channels playback
Record Mode	Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording
Storage	Local HDD and network
Backup	USB device
Playback Function	1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off

Alarm

General Alarm	Motion detection, privacy masking, video loss, PIR alarm, IPC alarm
Anomaly Alarm	Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Alarm Linkage	Video recording, snapshot, log, preset, tour

External Port

HDD	1 SATA 2.0 port, up to 8 TB for a single HDD. The maximum HDD capacity varies with environment temperature

USB	1 front USB 2.0 port, 1 rear USB 2.0 port
HDMI	1
VGA	1
RCA Input	1
RCA Output	1
Alarm	None
Network	1 RJ–45 port (10/100 Mbps), 4 RJ–45 ports with PoE power supply (10/100 Mbps)

General Parameter

Power Supply	DC 48V/53V, 1.25A/1.22A
Power Consumption	Total output of NVR is ≤ 10W (without HDD) Total output power of PoE is 36W, the maximum output power of a single port is 25.5W
Net Weight	0.84 kg (1.85 lb)
Gross weight	1.86 kg (4.10 lb)
Product Dimensions	260 mm × 225 mm × 47.6 mm (W × L × H)
Box Dimensions	87 mm × 331 mm × 312 mm (W × L × H)
Operating Temperature	-10°C to 45°C (+34°F to +113°F)
Storage Temperature	0°C to 40°C (+32°F to +104°F)
Operating Humidity	10%~93%
Storage Humidity	30%~85%
Operating Altitude	3000 m (9843 ft)
Installation	Desktop mounting
Certification	CE/FCC

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Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Max. Resolution	2880 (H) × 1620 (V)
ROM	16 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.03 Lux@F2.0 (Color, 30 IRE) 0.003 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.43 ft) (IR)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm; 3.6 mm
Max. Aperture	2.8 mm: F2.0 3.6 mm: F2.0
Field of View	2.8 mm: Horizontal: 106°; Vertical: 56°; Diagonal: 125° 3.6 mm: Horizontal: 92°; Vertical: 48°; Diagonal: 109°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.3 m (4.27 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	56.0 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
	3.6 mm	76.0 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87ft)	7.6 m (24.93 ft)

Video

Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 2880 × 1620 (1 fps–20 fps) 2688 × 1520 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	2 streams
Resolution	2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)

Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; G.726; PCM

Alarm

Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception

Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone
User/Host	6 (Total bandwidth: 48 M)
Storage	FTP
Browser	IE Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Client	iOS; Android

Certification

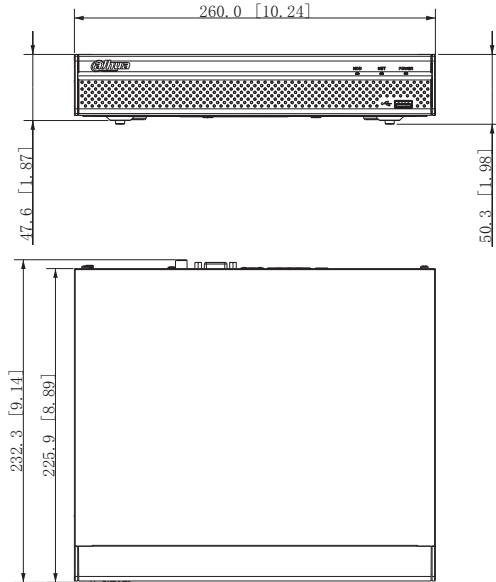|	
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

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Ordering Information

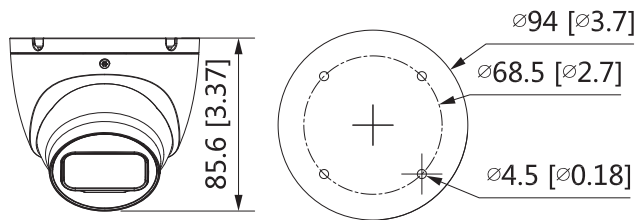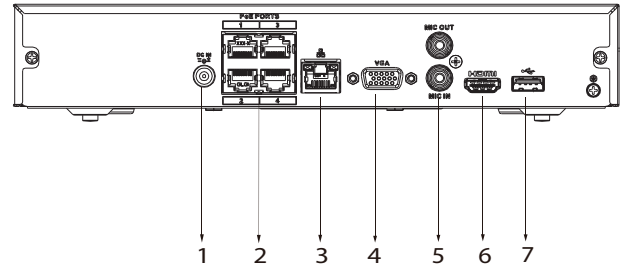| Type	Model	Description
HDCVI KIT	EZIP-KIT/ NVR1B04HS-4P/H/4-IPC-T3B50P/2TB	4CH Smart 1HDD H.265+ 5MP Network Security System

Dimensions (mm/inch)

DHI-NVR1104HS-P-S3

260.0 [10.24]

47.6 [1.87]

50.3 [1.98]

232.3 [9.14]

225.9 [8.89]

DH-IPC-HDW1530T-S6

∅94 [∅3.7]
∅68.5 [∅2.7]
85.6 [3.37]
∅4.5 [∅0.18]

Panels

1 2 3 4 5 6 7

1	Power Input	2	PoE Ports
3	Network Port	4	VGA Port
5	AUDIO IN/OUT, RCA Connector	6	HDMI Port
7	USB Port		

What's In the Box?

EZ-NVR   4 Cameras   2TB Hard drive

4 Ethernet Cable 18.3m   HDMI Cabe 1m   Ethernet Cable 2m