EZIP-KIT/XVR1B04H-I/4-HAC-T2A21P/1TB

4CH Smart 1HDD H.265+ 2MP Network Security System

· H.265+/H.264+/H.265/H.264, high compression rate,ultra-low bit rate.
· 4 × **2MP HDCVI IR Eyeball Camera**
· 1 × Digital Video Recorder, Encoding capability up to 5M-N/1080p resolution.
· Encoding Capacity: All channels 5M-N@(1 fps–10 fps); 4M-N, 1080p@ (1 fps–15 fps).
· VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K.
· Up to 4 channels video stream (analog channel) SMD Plus.
· 2-MP 1/2.8" CMOS image sensor, low illuminance, high image definition.
· Outputs max. 1080p@25 fps.
· Built-in IR LED, max. IR distance: 20 m.
· IP67 protection.

SMD Plus　　One-click Arming/Disarming　　Smart Dual Illuminators

Series Overview

EZIP CVI 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.

Functions

SMD Plus

With intelligent algorithm, 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.

Smart Dual Illuminators

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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.

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

Audio and Video

Analog Camera Input	4 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured
Camera Input	1. CVI: 1080p@25/30 fps; 720p@25/30/50/60 fps. 2. TVI: 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 1080p@25/30fps, 720p@25/30 fps.
IP Camera Input	Up to 5 channels of IPC access. 1 IP channel by default + 4 channels (analog channels are converted to IP channels) incoming bandwidth: 20 Mbps, recording bandwidth: 20 Mbps and outgoing bandwidth: 20 Mbps *After IP channels are added beyond the existing channels, the AI Function (SMD) will be disabled.
Encoding Capacity	Main stream: All channel 1080N@ (1–25/30 fps);720p@(1–25/30 fps); 960H@ (1–25/30 fps); D1@ (1–25/30 fps); CIF@ (1–25/30 fps) Sub stream: CIF@ (1–15 fps)
Dual-stream	Yes
Video Frame Rate	PAL: 1 fps/s–25 fps/s NTSC: 1 fps/s–30 fps/s
Video Bit Rate	32 kbps–4096 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 HDMI, 1 VGA HDMI/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6
Third-party Camera Access	ONVIF; RTSP; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung

Compression Standard

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

Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 20.16, CGI Conformant
Browser	Chrome IE 9 or later Firefox
Network Mode	Single-address mode

Recording Playback

Record Mode	General, motion detection, alarm
Recording Playback	1/4
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (motion detection)

Alarm

General Alarm	Motion detection; video loss; tampering; local alarm
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
Intelligent Alarm	SMD Plus
Alarm Linkage	Record, snapshot (panoramic), voice prompt, buzzer, log, preset, email

Ports

Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
HDD Interface	1 SATA port, up to 6 TB.The maximum HDD capacity varies with environment temperature.
USB	2 (2 rear USB 2.0 ports)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)

General

Power Supply	12 VDC, 1.5 A
Power Consumption	<7 W (without HDD)
Net Weight	0.57 kg (1.25 lb)
Gross Weight	1.08 kg (2.38 lb)
Product Dimensions	198.3 mm × 202.9 mm × 41.5 mm (7.81'' ×7.99'' × 1.63'') (W × D × H)
Packaging Dimensions	330.0 mm × 256.0 mm × 101.0 mm (13.00'' × 10.10'' × 4.00'')(W × D × H)
Operating Temperature	−10 °C to +45 °C (+14 °F to +113 °F)
Operating Humidity	0%–90% (RH)
Installation	Desktop
Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 FCC: Part 15 Subpart B

Technical Specification

Camera

Pixel	2 MP
Image Sensor	2MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s
Min. Illumination	0.04 lux@F2.0 (Color, 30 IRE) 0.004 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>65 dB
Illumination Distance	20 m (65.62 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR light)
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; 6 mm
Max. Aperture	F2.0
Field of View	2.8 mm: H: 100°; V: 53°; D: 120° 3.6 mm: H: 82°; V: 42°; D: 98° 6 mm: H: 53°; V: 30°; D: 60°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.6 m (1.97 ft) 3.6 mm: 1.0 m (3.28 ft) 6 mm: 2.0 m (6.56 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	46.9 m (153.87 ft)	18.8 m (61.68 ft)	9.4 m (30.84 ft)	4.7 m (15.42 ft)
	3.6 mm	60.9 m (199.80 ft)	24.3 m (79.72 ft)	12.2 m (40.03 ft)	6.1 m (20.01 ft)
	6 mm	82.8 m (271.65 ft)	33.1 m (108.60 ft)	16.6 m (54.46 ft)	8.3 m (27.23 ft)

Video

Video Frame Rate	CVI: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps TVI: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps AHD: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps CVBS: PAL: 960H NTSC: 960H
Resolution	1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)
Day/Night	Auto (ICR)/Color/B/W
BLC	BLC; HLC; DWDR

WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	2D NR
Smart Illumination	Yes
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

Certification

Certifications	CE (EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010+A1:2015, EN55035:2017, EN50130-4:2011+A1:2014, EN62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)

Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

Power

Power Supply	12 VDC ± 30%
Power Consumption	Max. 2.7 W (12 VDC, IR on)

Environment

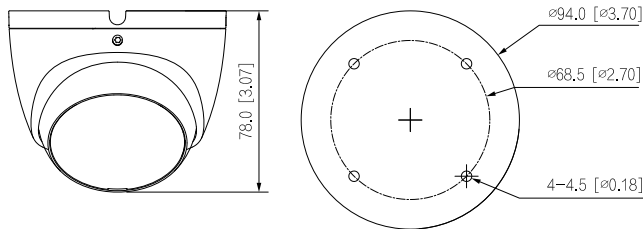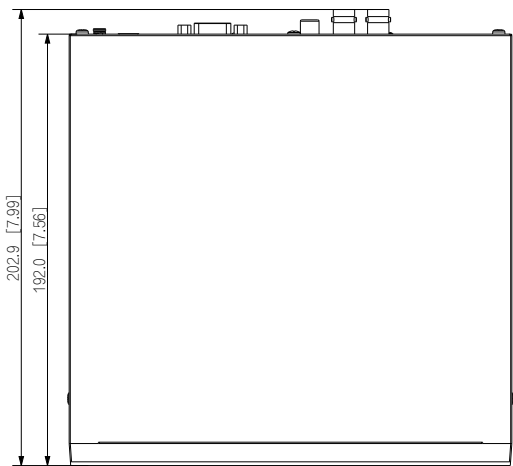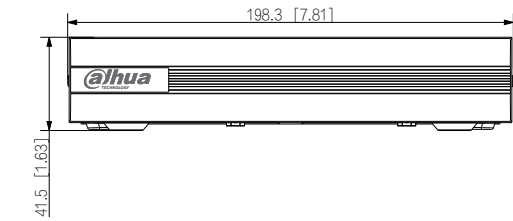|	
Operating Temperature	−40 °C to +60 °C (−40 °F to 140 °F)
Operating Humidity	<95% (RH), non-condensing
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Protection	IP67

Structure

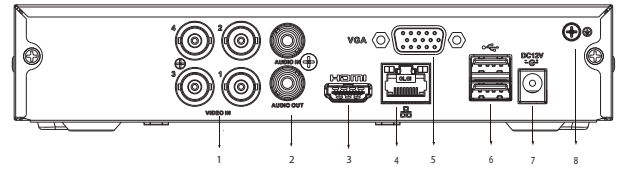|	
Casing	Metal
Product Dimensions	Φ94 mm × 78 mm (Φ3.70" × 3.07")
Packaging Dimensions	109 mm × 109 mm × 85 mm (4.29" × 4.29" × 4.17")
Net Weight	0.27 kg (0.60 lb)
Gross Weight	0.32 kg (0.71 lb)
Installation	Wall mount; ceiling mount; horizontal pole mount

Ordering Information

Type	Model	Description
HDCVI KIT	EZIP-KIT/XVR1B04H-I/4-HAC-T2A21P/1TB	4CH Smart 1HDD H.265+ 1080P AI Digital Video Security System

Dimensions (mm/inch)

198.3 [7.81]

41.5 [1.63]

202.9 [7.99]
192.0 [7.56]

78.0 [3.07]

⌀94.0 [⌀3.70]
⌀68.5 [⌀2.70]
4-4.5 [⌀0.18]

Panels

1	VIDEO IN	2	AUDIO IN/OUT, RCA Connector
3	HDMI Port	4	Network Port
5	VGA Port	6	USB Ports
7	Power Input	8	Ground

What's In the Box?

EZ-XVR

4 Cameras

1TB Hard drive

4 BNC & Power Cables 18.3m

HDMI Cabe 1m

Ethernet Cable 2m

Splitter

Power Adapter