



H3K PoE Kit

PoE Camera Security System

- H3K PoE 4K Camera (×4)
- X5K NVR (×1)
- 2 TB Hard Disk Drive (×1)

Plug-and-play design, tried-and-true security

The H3K PoE Kit is ready to serve anyone who seek to quickly create a smart security system for their homes or stores. Consisting of four 4K PoE cameras, the kit ensures that you can remotely monitor multiple key areas all at once with stunning video and subscription-free detection features, by only going through simple installations. The pairing NVR provides central storage capacity for large 24/7 recordings, and further facilitates multi-camera management so you can always control and customize your system at ease.



H3K PoE 4K



Power over Ethernet



4K Resolution



Color Night Vision



AI-Powered Human
/ Vehicle Shape Detection



Active Defense with
Siren & Strobe Light



Advanced H.265+
Video Compression



Two-Way Talk



High-Endurance
Aluminum Alloy Enclosure



IP67 Weatherproof
Design



Supports MicroSD Card
(Up to 512 GB) & NVR Storage¹

X5K



Connects up to 8 Cameras
(of Max. 4K resolution)



Supports Multi-Feed Display
for Live View & Playback



HDMI / VGA Output




Up to 16 TB Storage Capacity
(2 TB HDD included)²




Smart History
Video Search


One cable to connect and protect

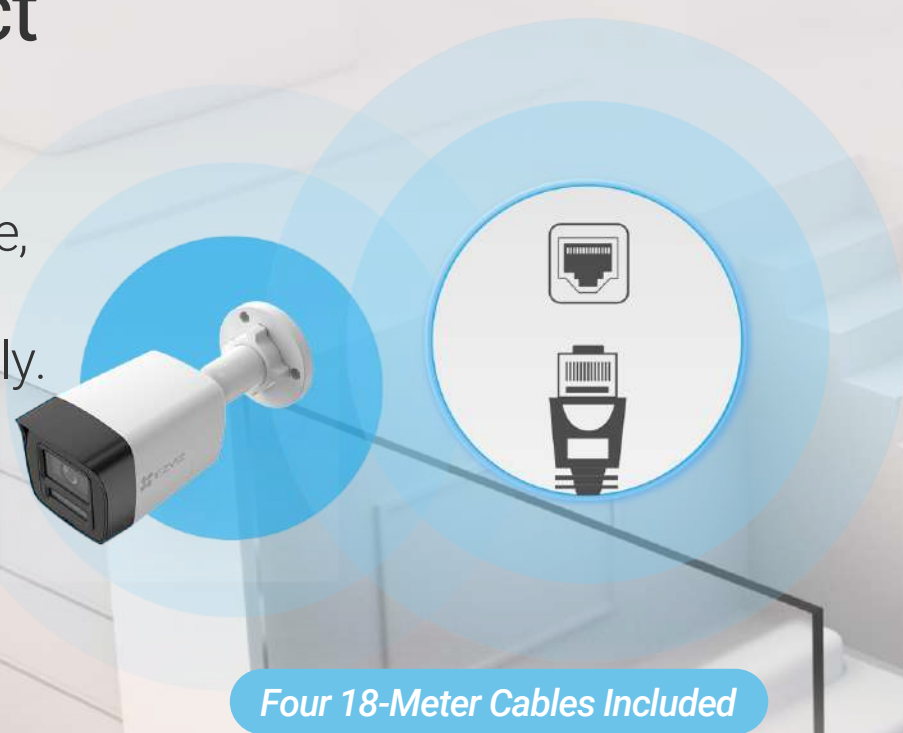
To provide reliable, hardwired security with less hassle, the H3K PoE camera requires only a single Ethernet cable for network, data transmission and power supply.

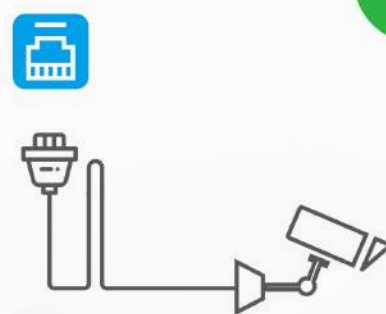

 **Non-Stop Power**

 **Stable Network**

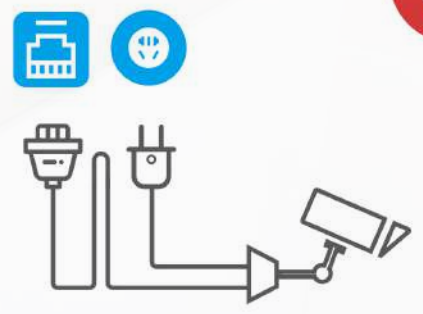

 **Cost-Effective Installation**

 **Simple Maintenance**





PoE Camera
Only needs a network cable



Non-PoE Camera
Needs both a network cable and a power adapter

An NVR-centered system for comprehensive protection

While you can set up each camera flexibly around your property, they can all be managed via one central NVR, so that you can always customize camera settings and have important videos well organized in one place. You may also expand the NVR-supported system to include up to 8 compatible cameras.

Connects up to 8 cameras

A central security center to manage & store

Supports connecting to an additional screen
HDMI/VGA

A central video hub for multi-feed monitoring

Sharp, smart eyes for every important moment

With the H3K PoE, it's hard to overlook an important detail or miss a crucial activity. It eliminates blind spots caused by pixelated images, and notifies you immediately if someone or a vehicle enters your monitored areas – all without a subscription.



Crisp 4K

See everything in 4K resolution



AI-Powered Human / Vehicle Shape Detection

Customizable Detection Zone

FREE No Subscription Fee

Detect moving people/cars with real-time alerts

It's easy to filter and search a specific event

Gone are the days when you had to spend hours dragging back and forth through a long timeline or fast-forwarding a tedious video to find what you truly care. With the smart playback function on the EZVIZ App, you can quickly filter out videos by setting start and end times, and choosing between channels and event types. You can also mark and pin the most important videos in case you need to relive the situation again.



Vehicle...



Today

Event View

15:25-18:23

Start Time

OK

14 24 05

15 25 06

16 26 07

Trusted storage options for high-level security needs

Say goodbye to expensive storage subscriptions and store your large-scale videos locally. For non-stop monitoring needs, the large-capacity NVR can secure up to 16 TB of recordings inside your house with centralized management.² Or, you can insert extra-large microSD cards of up to 512 GB on each of the cameras.

Recordings
24/7

SD
512G

Up to
16 TB

2 TB HDD Built In

Advanced H.265+ to further elevate your video experience

Even high-resolution videos recorded by the H3K PoE load fast and play smoothly, thanks to EZVIZ's latest H.265+ video technology, a plus version of its H.265. For a same-quality video, the H.265+ can reduce its file size to only 25% of a file compressed with the prevailing H.264.³ This means that high-quality videos can be streamed much faster and take up much less storage space.

H.264



H.265



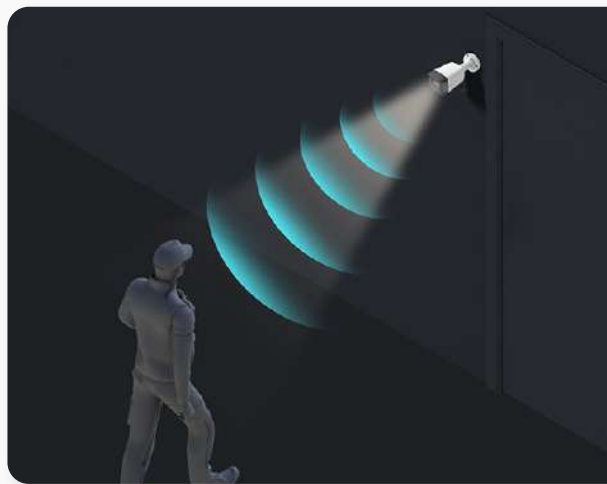
H.265+



Up to **75%**

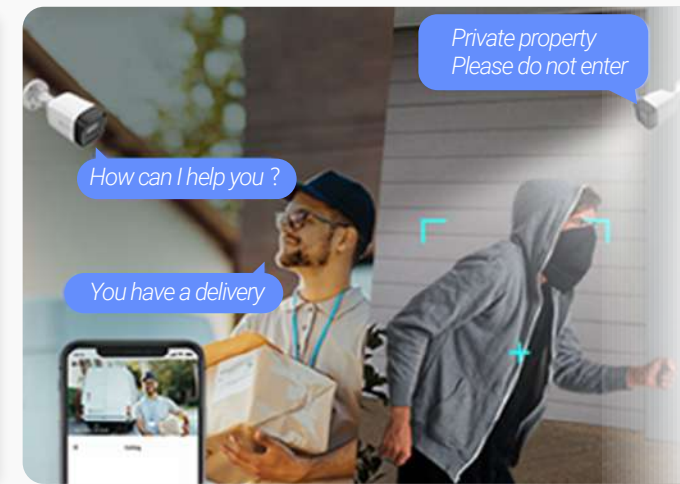
Average 24-Hour Recording File Size





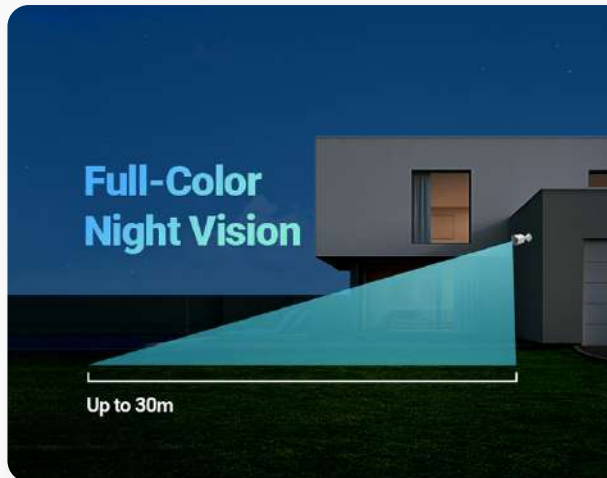
Active defense to deter & safeguard

Upon detection of intruders, the camera will set off a loud siren and flash two dazzling spotlights⁴ to let the uninvited strangers know they have been detected.



High-quality audio to respond & warn

Easily respond to any visitor by simply using your phone to speak remotely. The camera can also autoplay a recorded voice message when a motion is detected.



Colorful vision to last all night

Using the built-in spotlights, the camera can illuminate a completely dark area to render colorful, vivid images up to a distance of 30 meters.



Metallic body to resist & last

Enjoy long-lasting peace of mind, even in rain, storm or snow. The camera is designed to reliably withstand even the most adverse weather conditions.

We're committed to protecting with trust

We put security as the primary goal of every product and system that we build, and assiduously improve our practices to better protect your device, data and privacy.

[Learn more about our security practices >](#)



**End-to-end
Data Encryption**

AES

Data Encryption

TLS

Data Transmission
Encryption

Our global certifications in the fields of **information security, privacy information security, and cloud security**



- 1 Please note that the local storage card must be purchased separately. The H3K PoE cameras are compatible with the included X5K NVR, which is a dedicated pairing model of the camera, and can connect up to 8 H3K PoE cameras at the same time.
- 2 The X5K NVR supports hard disk drive (HDD) storage, providing dual-SATA interfaces for users to insert two HDDs (up to 8 TB each). A free 2 TB HDD is included in the kit.
- 3 Data from EZVIZ Lab's test results, under standard conditions. The video compression efficiency will vary with the frequency and complexity of the activity captured, as well as other environmental factors.
- 4 The spotlights will not flash when the color night vision mode is enabled.

Specifications

CS-X5K-R100-8P/2T

Video & Audio

IP Video Input	8-ch
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	80 Mbps
HDMI Output	1-ch, 4K (4096 x 2160) / 30 Hz, 4K (3840 x 2160) / 30 Hz, 2K (2560 x 1440) / 60 Hz, 1920 x1080 / 60 Hz, 1600 x 1200 / 60 Hz, 1280 x 1024 / 60 Hz, 1280 x 720 / 60 Hz
VGA Output	1-ch, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)

Decoding

Decoding Format	H.265 ⁺ , H.265, H.264 ⁺ , H.264
Recording Resolution	8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF
Synchronous Playback	8-ch
Decoding Capability	1-ch@8 MP (30 fps) / 3-ch@4 MP (30 fps) / 6-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw / G.711alaw / G.722 / G.726

Network

Network Protocol	TCP / IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1, RJ-45 10 / 100 Mbps self-adaptive Ethernet interface

PoE

Interface	8, RJ-45 10 / 100 Mbps self-adaptive Ethernet interface
Power	≤ 80 W
Standard	IEEE 802.3 af / at

Auxiliary Interface

SATA	2 SATA interfaces (total 16TB max, Up to 8 TB capacity for each disk, 2 TB included)
USB Interface	2 × USB 2.0

General

Power Supply	48 VDC, 2.5 A (Consumption ≤ 15 W without HDD and PoE off)
Operating Conditions	-10 °C to 55 °C (14 °F to 131 °F) Humidity 10% to 90%
Dimension (W × D × H)	385 × 315 × 52 mm (15.2 × 12.4 × 2.0 inch)
Weight	≤ 2.6 kg (without HDD, 5.7 lb.)

Specifications

CS-H3K-R100-6E8EKFL

Camera

Image Sensor	1 / 2.7" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	2.8 mm, horizontal FOV 113°, vertical FOV 62°, diagonal FOV 134°
Minimum Illumination	0.01 lux @(F2.0 ,AGC ON) ,0 Lux with IR
Lens Mount	M12
Day / Night Switch	IR-Cut filter with auto-switching
DNR	3D DNR
WDR	TWDR 120dB
BLC	Supports
HLC	Supports
IR Night Vision Distance	Up to 98 ft. / 30 m

Video & Audio

Max. Resolution	4K (3840 × 2160)
Frame Rate	Max: 15fps; Self-adaptive during network transmission
Video Compression	H.265+ / H.265 / H.264+ / H.264
Video Bit Rate	Ultra-HD; HD; Standard. Adaptive bit rate.
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM / AAC-LC
Audio Bit Rate	Self-adaptive

Network

Wired Network	RJ45 × 1 (10M / 100M Adaptive Ethernet Port)
Protocols	TCP / IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS,FTP, SMTP

Function

Smart Alarm	AI-powered human shape detection AI-powered vehicle shape detection
Customized Alert Area	Supports
Two-Way Talk	Supports
General Function	Anti-Flicker, Dual-Stream, Password Protection, Watermark

General


Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 95% or less (non-condensing)
IP Grade	IP67
Material	Metal
Local Storage	Supports microSD card (Up to 512 GB)
Power Supply	12 VDC ± 25%, 0.66 A, max. 8 W, Ø 5.5 mm coaxial power plug, reverse polarity protection PoE: IEEE 802.3af, Class 3, max. 9.5 W
Power Consumption	Max. 9.5 W
Dimensions	179 × 67.4 × 69.1 mm (7.1 × 2.7 × 2.7 inch)
Net Weight	Approx. 450 g (1.0 lb.)

In the box

- H3K PoE 4K Camera × 4
- X5K NVR
- Drilling Template × 4
- Waterproof Kit × 4
- Screw Kit × 5
- Mouse
- Power Adapter
- Power Cable
- HDMI Cable
- SATA Ethernet Cable
- Ethernet Cable × 5
- Regulatory Information
- Quick Start Guide

Certifications

CE (EMC / LVD / RED / ROHS / ERP) / REACH / SVHC / WEEE / FCC
(SDOC / ID) / UL / UKCA

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