



H3K PoE Kit **4K**

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



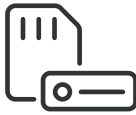
Two-Way Talk



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

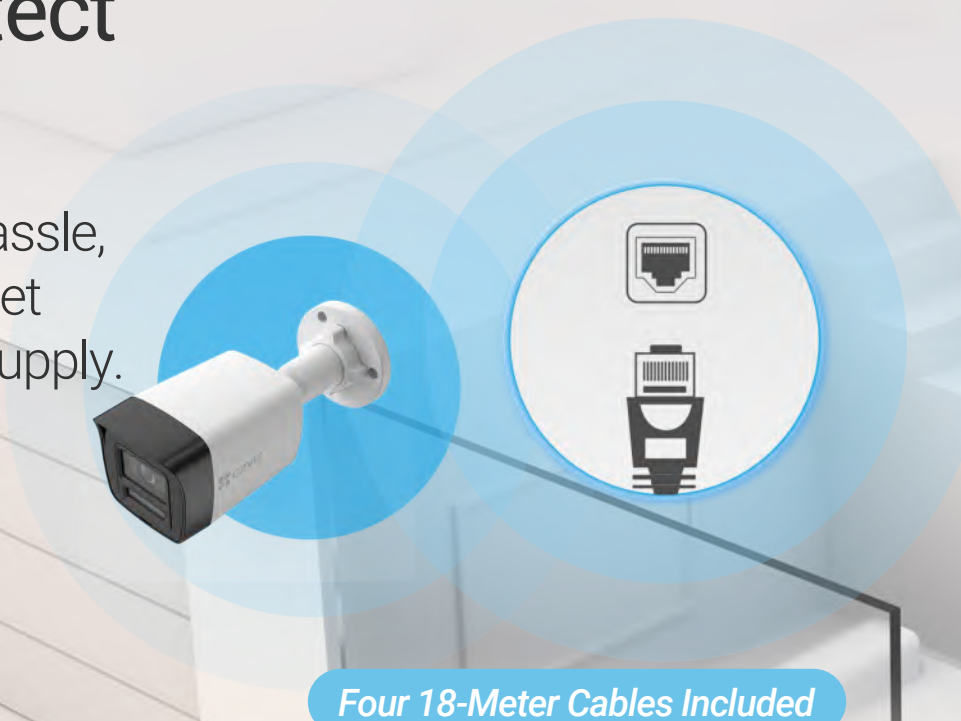
To provide reliable, hardwired security with less hassle, the H3K PoE camera requires only a single Ethernet cable for network, data transmission and power supply.

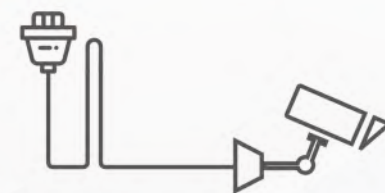


 **Non-Stop Power**

 **Stable Network**

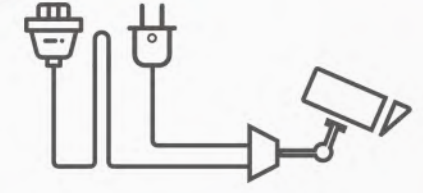



 **Cost-Effective Installation**

 **Simple Maintenance**





PoE Camera
Only needs a network cable

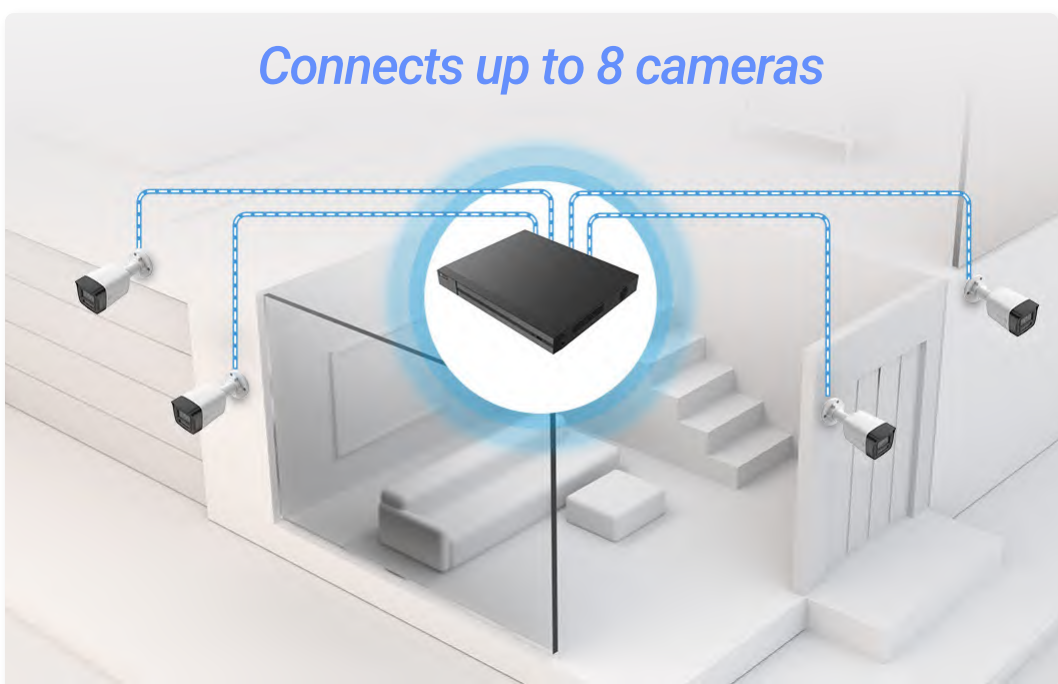


Non-PoE Camera
Needs both a network cable and a power adapter

An NVR-centered system for comprehensive protection

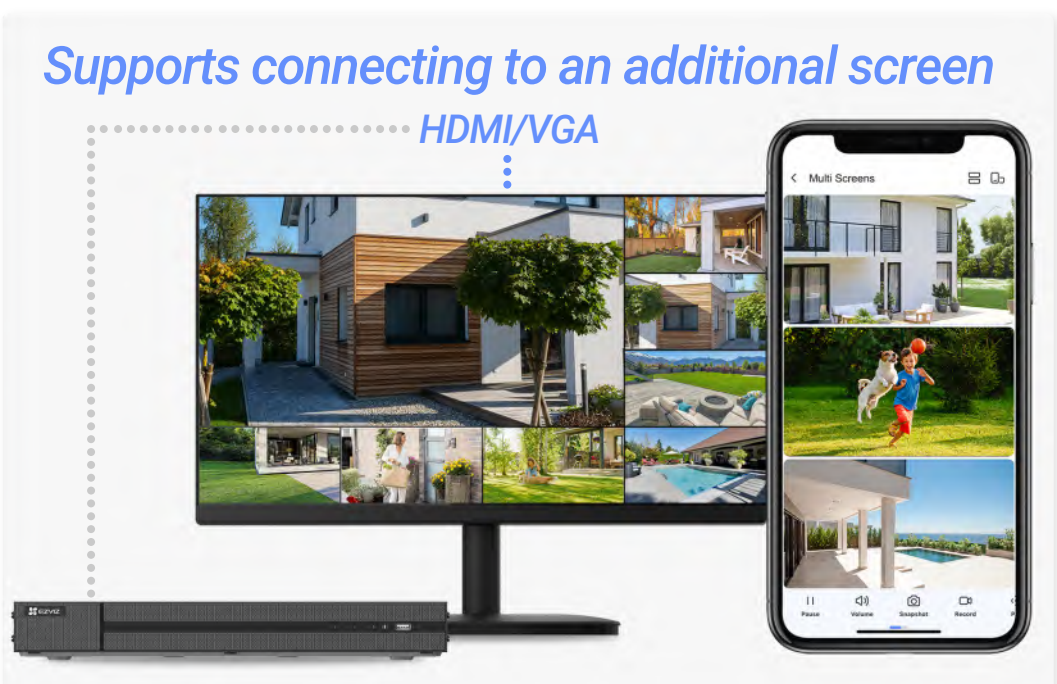
While you can set up each camera flexibly around your property, they can all be managed via one central NVR, so that you can always customize camera settings and have important videos well organized in one place. You may also expand the NVR-supported system to include up to 8 compatible cameras.

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

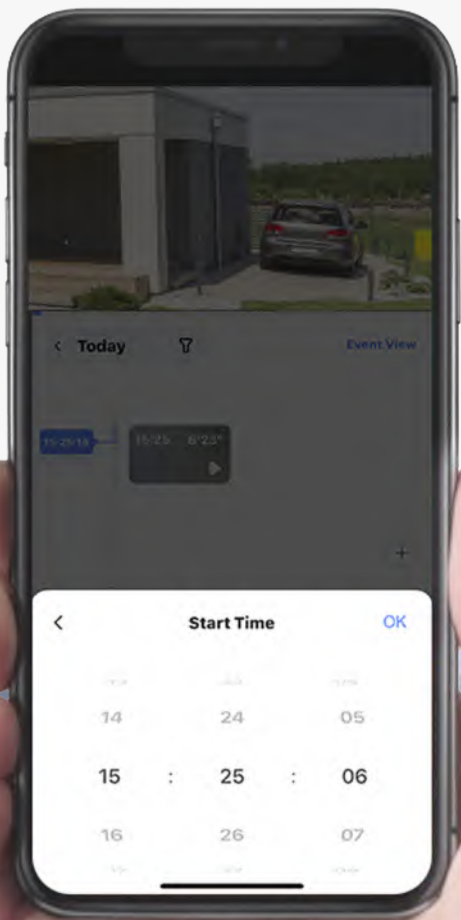
It's easy to filter and search a specific event

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...







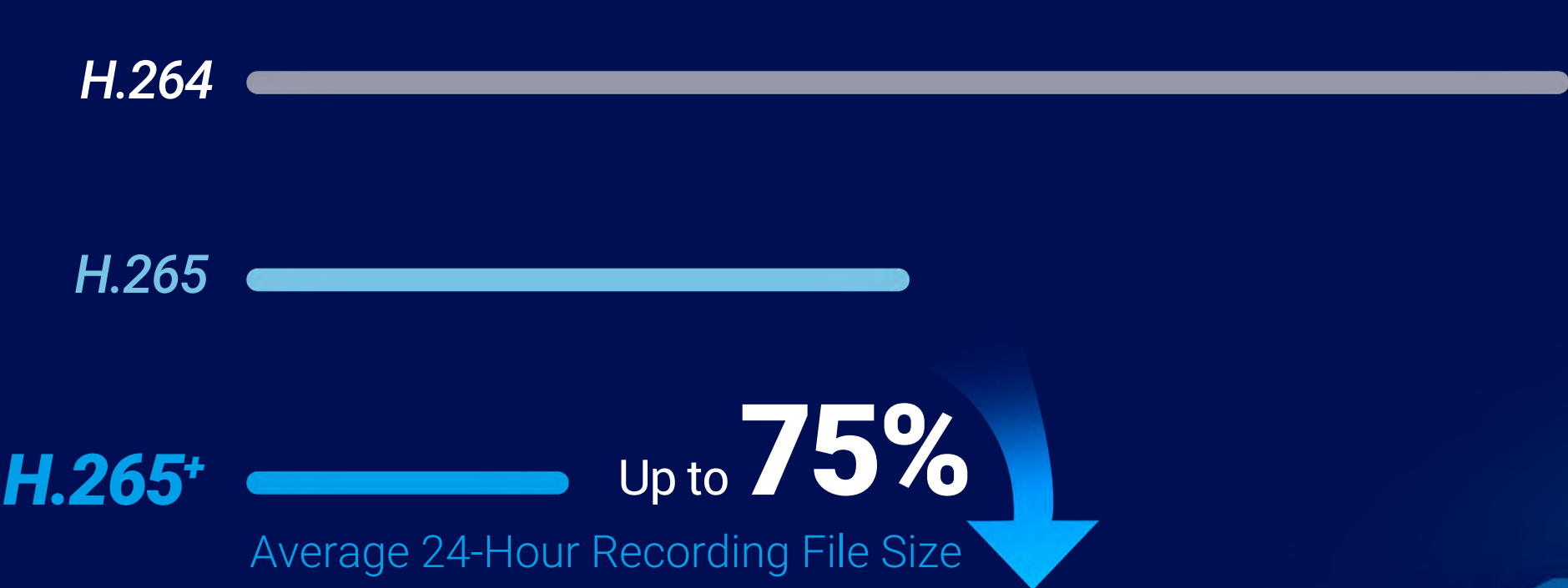
Trusted storage options for high-level security needs

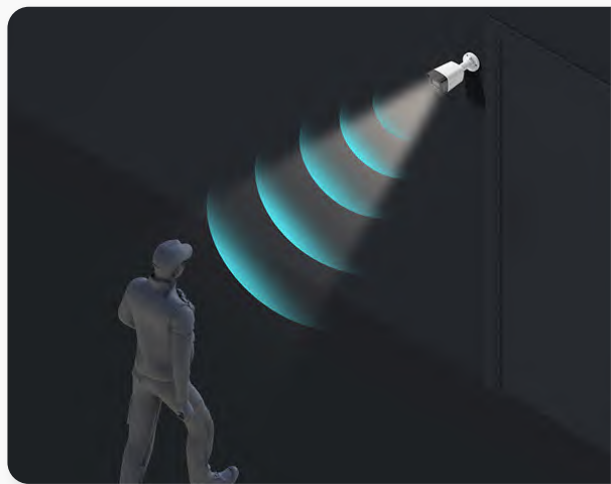
Say goodbye to expensive storage subscriptions and store your large-scale videos locally. For non-stop monitoring needs, the large-capacity NVR can secure up to 16 TB of recordings inside your house with centralized management.² Or, you can insert extra-large microSD cards of up to 512 GB on each of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



Advanced H.265+ to further elevate your video experience

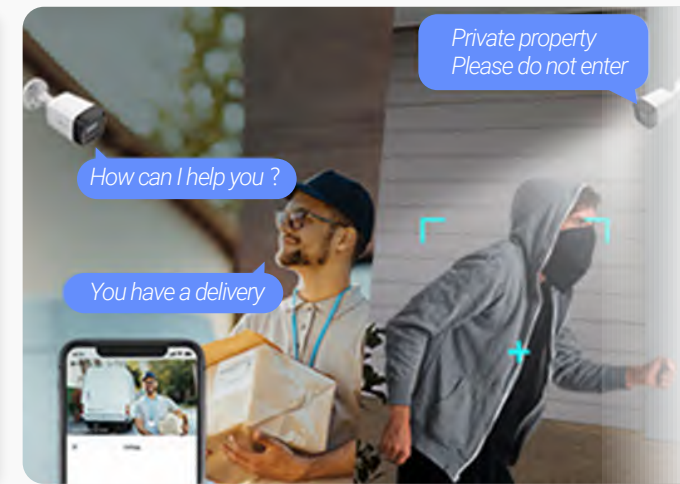
Even high-resolution videos recorded by the H3K PoE load fast and play smoothly, thanks to EZVIZ's latest H.265+ video technology, a plus version of its H.265. For a same-quality video, the H.265+ can reduce its file size to only 25% of a file compressed with the prevailing H.264.³ This means that high-quality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





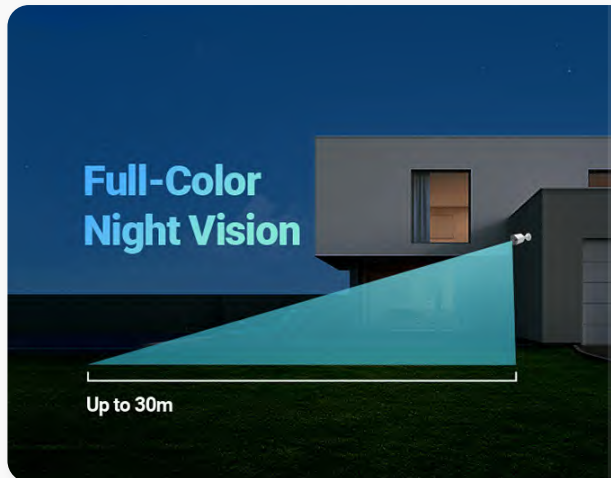
Active defense to deter & safeguard

Upon detection of intruders, the camera will set off a loud siren and flash two dazzling spotlights⁴ to let the invited 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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<https://www.ezviz.com/>