EZVIZ

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EZVIZ AI

X6 16CH Wi-Fi

Wireless AI Smart Home Hub

Next-gen local security, redefined by smart AI

The X6 combines advanced AI capabilities with flexible deployment to deliver a more efficient security experience. Its on-device AI search allows you to quickly locate specific events using simple keywords. With high-speed Wi-Fi, the X6 supports easy installation in various environments, while the built-in 16TB storage ensures reliable, secure data retention—even during periods of heavy usage.

Key Features

- On-Device AI Smart Detection & Alerts[1]
- Supports 16-Channel Smart Monitoring
- Supports Wired or Battery-Powered Device[2]
- Supports Uplink 5 GHz Wi-Fi Connectivity
- Supports Dual-Band Wi-Fi (2.4 / 5 GHz)
- Two-Way Talk[3]
- Up to 4K Ultra HD Image Output
- Up to 18MP Camera Access
- Dual HDD Deployment (Up to 16TB Storage for Each HDD)[4]
- H.265 Video Technology
- Supports ONVIF Conformant Camera

Record 24/7 with confidence, then find what matters in seconds

A true NVR is the always-on memory of your security system, recording continuously so nothing slips through. And because long timelines shouldn't mean long searches, its on-device AI enables smart video search—type a keyword or phrase and the X6 surfaces the relevant footage in seconds.[1]

Flexible to build your own NVR-centered system

Available in 16-channel versions, the X6 is built for true mix-and-match flexibility. Connect up to 16 devices—wired or battery cameras, video doorbells, and smart locks—and tailor your DIY security setup room by room, door by door, exactly the way you want it.[2]

Capture every detail with up to 6K resolution

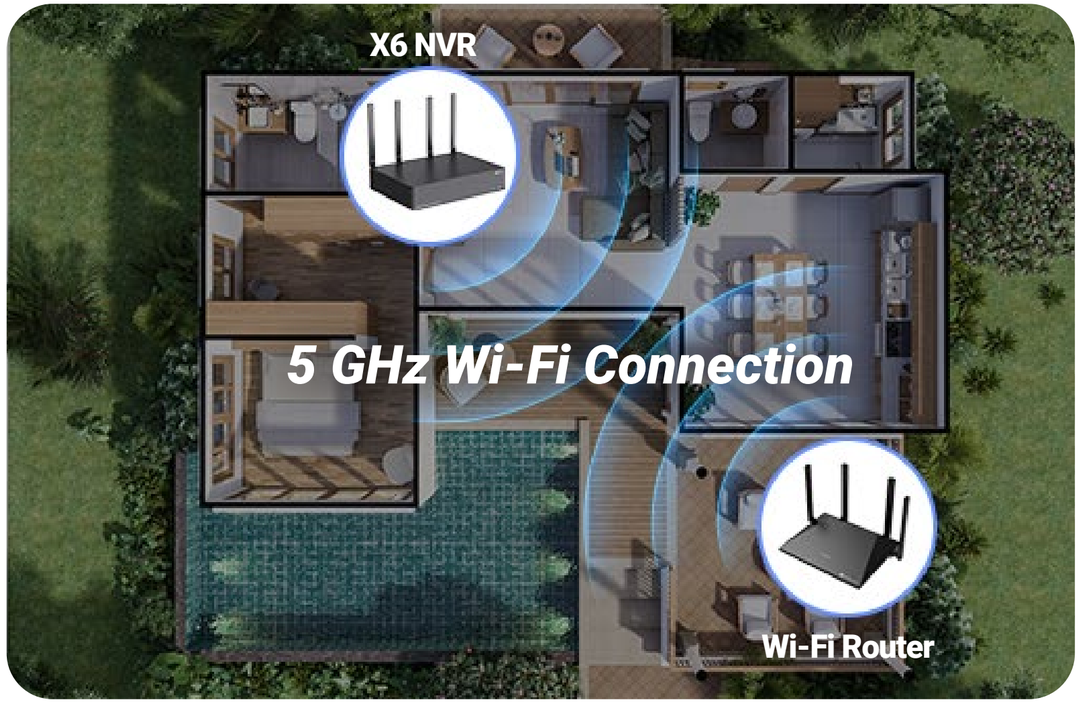
Up to 6K clarity doesn't just look better—it helps you get smarter results. By recording more detail, the X6 gives its on-device AI a clearer view of what's happening, making it easier to distinguish between different types of events and return more relevant search results.

A smarter wireless hub for your whole system

The X6 handles network connectivity in two clear steps: it links to your router for internet access, then connects to your cameras to carry video back to the NVR.

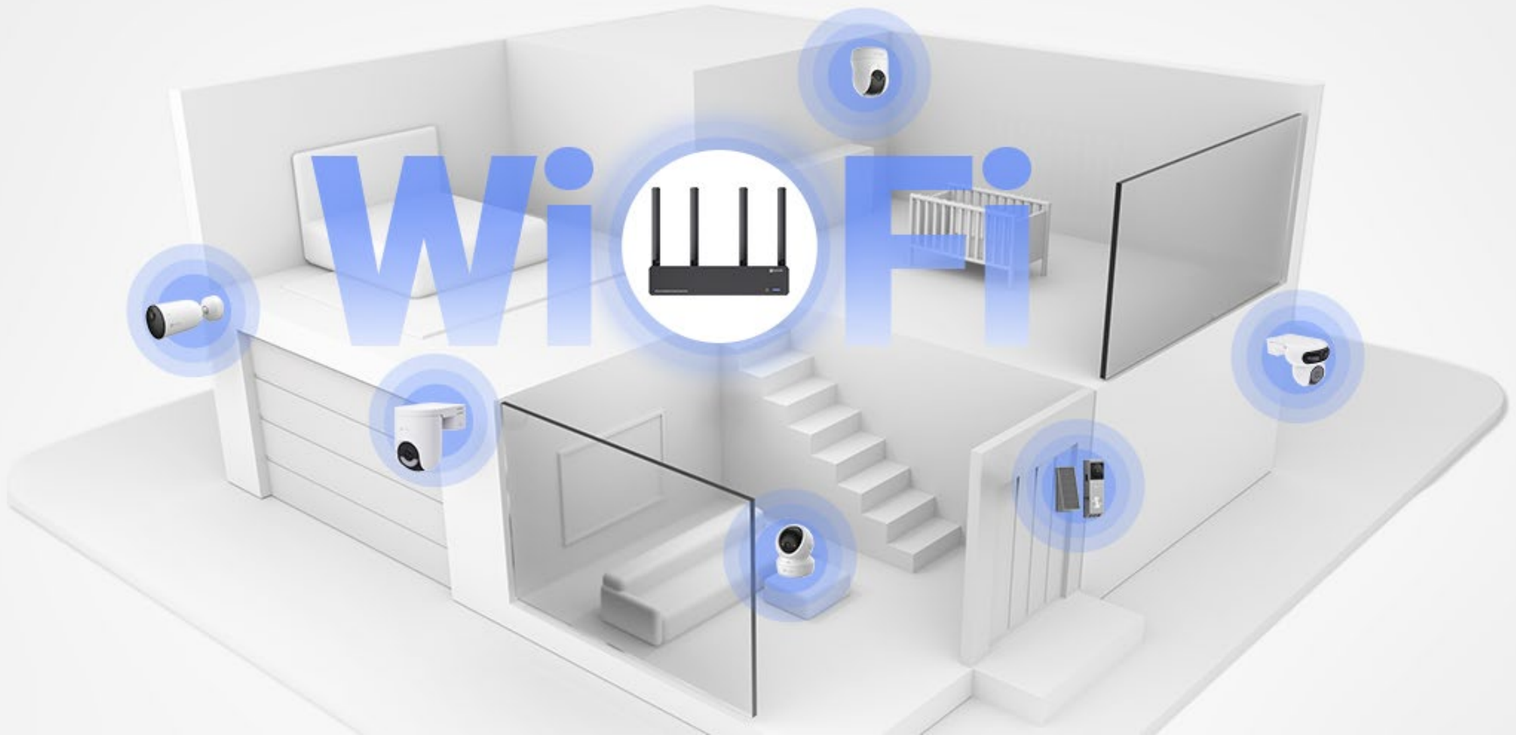
01 Wireless to your router

Tired of cable clutter? The X6 transforms your experience by connecting with fast 5 GHz Wi-Fi for a clean and simple setup. Now, you can put your NVR exactly where you want it—no strings attached and totally hassle-free.



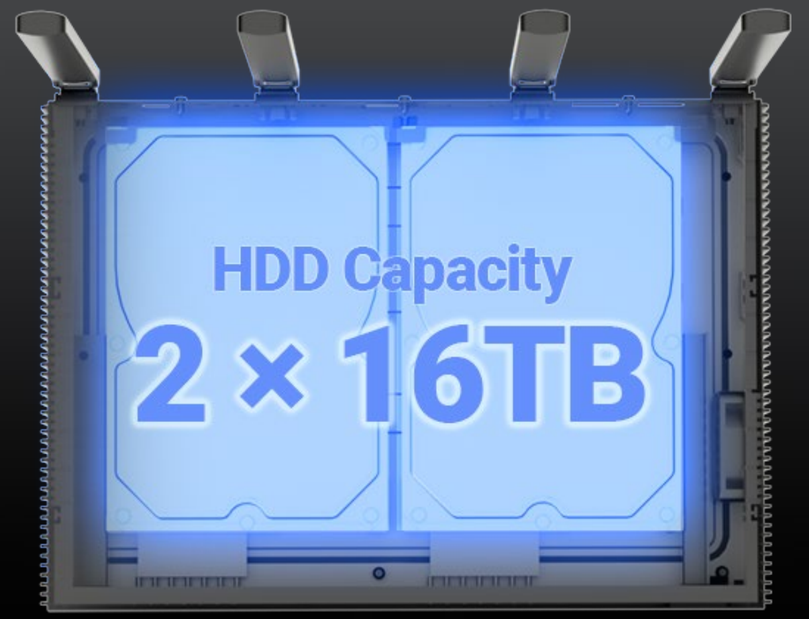
02 Smooth feeds to your camera

With smooth Wi-Fi, the X6 keeps your camera connections steady and responsive. Multiple streams stay smooth for live view and playback, helping reduce lag and annoying dropouts as you add more cameras.



Secure & long-term local storage for every captured moment

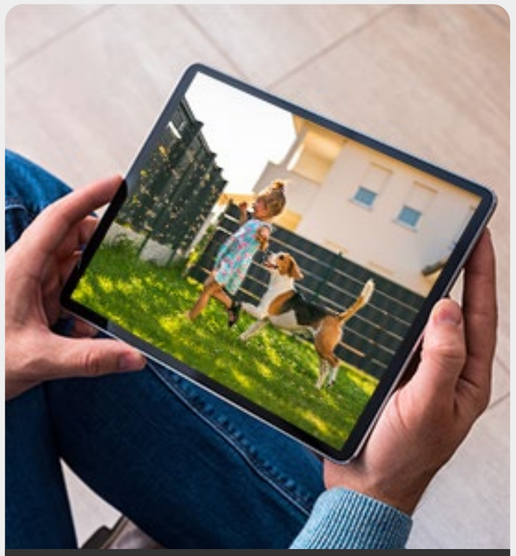
Designed for the most demanding security tasks, the 16-channel version boasts dual-drive expansion supporting up to 2×16TB, making it the ideal choice for extended recording and heavier workloads.[4]



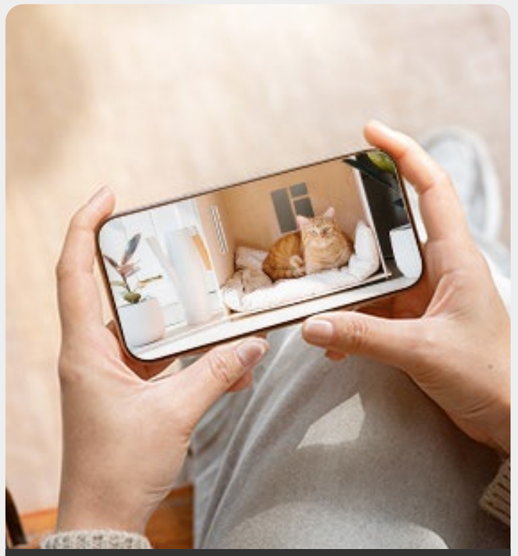
Versatile live view at a glance, anytime and anywhere

Connect the X6 to any convenient device for an enhanced live viewing experience, whether it's monitors, mobile phones, or smart TVs. You can maintain complete control, whether monitoring everything locally at home or remotely while you’re away.

Monitor & TV



Pad



Mobile Phone

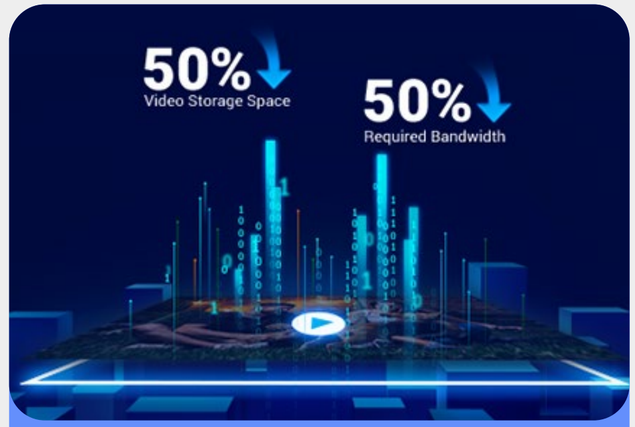
More features you can rely on

Respond with real-time two-way talk

The X6 allows you to effortlessly connect and respond to any visitor remotely with confidence and ease.[3]

Control with the third-party cameras

With broad ONVIF compatibility, the X6 seamlessly integrates with your existing cameras, making the setup quick and easy.



Enhance video experience with H.265

The H.265 creates a smoother viewing experience while only using about 50% of the data storage space required by cameras with H.264.

1 All AI processing is performed locally on the device, ensuring your privacy remains fully protected.

2 The list of supported battery-powered devices may grow as the X6 and connected devices receive firmware upgrades and EZVIZ launches more products in the future. To ensure the optimal compatibility experience, please keep the firmware on your X6 and all connected battery devices up to date.

3 The X6 is equipped with the audio input and output interfaces. To enable the Two-Way Talk function, please connect a compatible third-party microphone and speaker.

4 Please note that only the 16-channel version supports dual-disk deployment, with each disk supporting a maximum capacity of 16TB.

Specifications CS-X6-R100-2T16W8

IPC Access Capability

Recording Channel	Up to 16 channels
Maximum Resolution	Up to 18MP (6K)
Battery-Powered Device Access	Supports (Determined by different capability of the latest updates among EZVIZ Battery-Powered Devices, including cameras, smart locks, doorbells etc.)

Video Display & Sound

HDMI™ Output	Up to 4K * 1
VGA Output	Up to 1080P * 1
Local Management	GUI on HDMI and/or VGA display
Video Compression	H.264 & H.265
Audio In	3.5 mm * 1
Audio Out	3.5 mm * 1

Smart Features

AI Capability	AI Search and notifications are supported, with the capability of recognizing massive types of objects
App Remote Control	Supports

Storage

Dual HDD Deployment	Supports
HDD Interface	SATA 3.0 * 2
HDD Size	Compatible to 3.5’ HDD and 2.5’ HDD
HDD Capacity	Up to 16TB for each disk

Network Parameters

Ethernet Port	1000M * 2
Uplink Wi-Fi	5 GHz
Wi-Fi Working Mode	Wi-Fi @ 2.4G 2 x 2 (Approximately up to 574 Mbps) And 5G 2 x 2 (Approximately up to 1201 Mbps)
Wi-Fi Operating Band *	2.4 GHz Band: 2.400 GHz to 2.483 GHz 5 GHz Band: 5.150 GHz to 5.350 GHz and 5.725 GHz to 5.850 GHz
Wi-Fi Access Capacity	Recommended Clients Per Band: ≤ 8 devices Recommended IPCs on 2.4G Band: ≤ 4 units **
Wi-Fi Coverage	Up to 100m in open area #
Antenna Configuration	4 High-Efficiency Omnidirectional External Antennas
Open Protocol	EZVIZ, Hikvision, ONVIF (1.0)

Specifications CS-X6-R100-2T16W8

General Information

Physical Button	Power: On by 0.5s, Off by holding for > 3 seconds Reset: Holding for > 7 seconds
Indicator	1 System Status Indicator
Power Supply	DC 12V / 2.5A
Power Consumption	< 11W (exclude HDD)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Product Dimensions	260 × 194 × 65 mm (antenna folded) 260 × 194 × 202 mm (antenna unfolded)
Packaging Dimensions	329 × 85 × 320 mm
Net Weight (Without HDD)	1.29 kg
Weight with Package	1.83 kg

* The supported band may vary or be fewer than listed, depending on local regulations at the destination.

** The actual number of accessible clients depends on distance, obstacle, and interference at each installation point.

Wireless coverage, speed and recommended device capacity are theoretical and may very due to factors such as wireless environment, network traffic load, terminal device conditions, etc.

In the box

- X6 x1
- Power Adapter x1
- Mouse x1
- Screw Kit x2
- Regulatory Information x2
- Quick Start Guide x1

Certifications

CE/WEEE/RoHS/REACH

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