EZVIZ EP8 Ultra

AI-Powered Interactive Video Doorbell Kit

Every moment is now seen, heard and welcomed



The EP8 Ultra turns your front door into a smart and lively checkpoint. Its dual cameras capture faces and packages with crisp clarity, while vivid color night vision enables you see everything, even when the world outside goes pitch-black. With smart alerts and 24/7 Pre-Rolling, you catch the story before the knock or delivery happens, and the playful AI interactive screen, brought to life by its adorable and smart characters, adds a warm hello to anyone who stops by. Backed by long-lasting swappable batteries and a chime that greets guests with happy little tunes, the EP8 Ultra becomes a charming guardian that transforms ordinary visits into moments that make you smile.

Key Features

- Built-in AI Interactive Screen
- Responsive Smart Characters
- 6MP & 2MP Dual Lenses
- 2 × 9,600 mAh Detachable Lithium Batteries
- 7 × 24 Pre-Rolling[1]
- Free 32GB eMMc Storage
- Two-Way Video Call
- AI-Powered Recognition for Familiar Faces
- True WDR & Distortion Correction
- Smart Human Motion Detection
- Package Detection
- Color Night Vision[2]
- Chime Included
- Supports Wi-Fi 6 Network (2.4 GHz)
- Voice Changer For Privacy Protection
- No-Filming Privacy Zones
- Weatherproof Design
- Smart Integration with Google Assistant & Amazon Alexa[3]

A new, warmer way to say hello at your front door

Meet your new digital buddy, designed to vibe exactly the way you like. Cute, cool, quirky, or classy, your AI friend picks up your preferences and adds a dash of personality to every moment at home.

Smart at its core



Warm at its soul





Cute enough to melt your day, smart enough to help it

Meet three buddies who love jumping into your day with personality. They pop up in playful ways during everyday moments, from quick greetings to helpful nudges, each character adding its own charming flair to interactions. Additionally, you can customize the screen with various festival greetings or decorative designs, bringing a touch of daily joy and surprise to your home.[4]



A warm greeting ***from Pandie Panda*** when you come home



A kind notice ***from Ray Raccoon*** upon the EP8 Ultra's first-time startup



A gentle alert ***from Harry Husky*** when an uninvited visitor appears and lingers



Pandie Panda's Bio

Calm, sweet, and gently comforting — Pandie Panda fills your space with warm, soft vibes.



Ray Raccoon's Bio

Curious, cheeky, and always alert — Ray Raccoon brings a pop of playful excitement.



Harry Husky's Bio

Lively, bold, and full of spark — Harry Husky adds a cool burst of energy to your day.



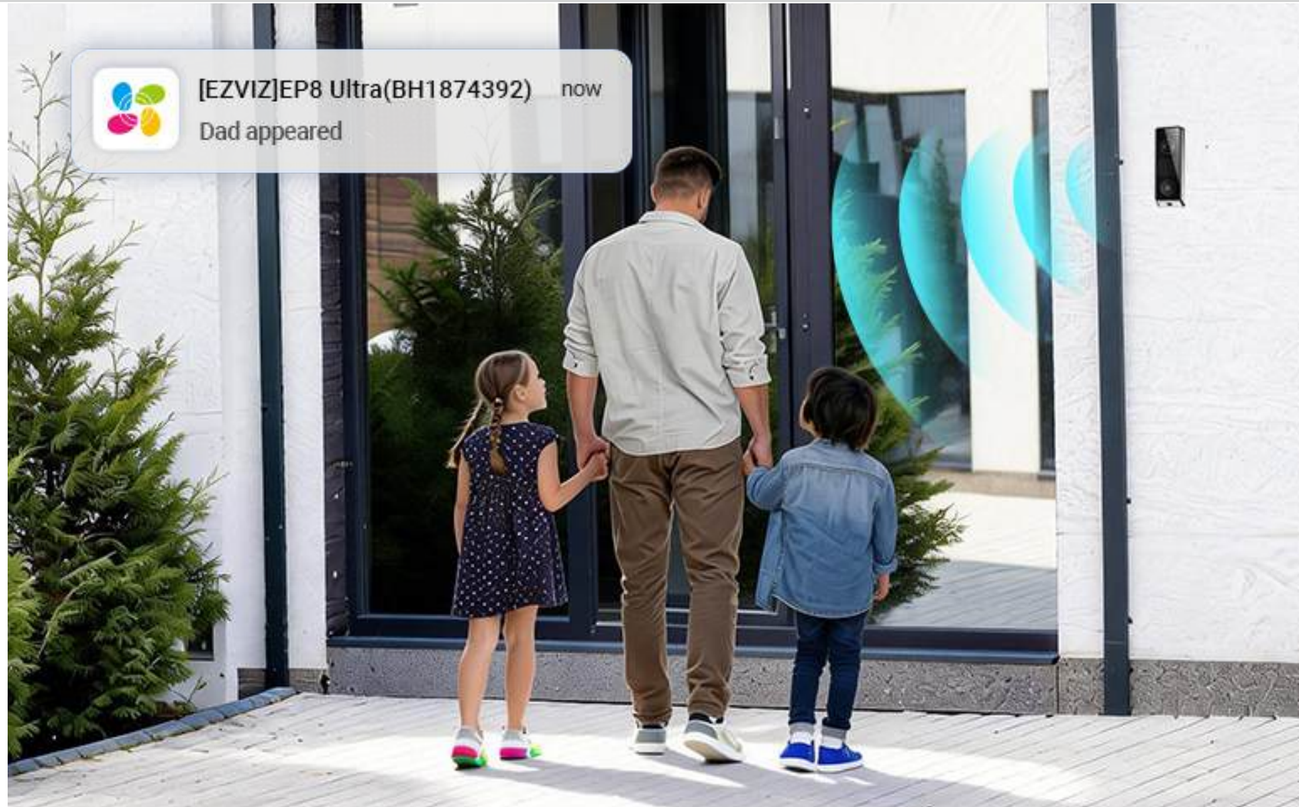
Dual cameras team up to give you a smarter, fuller view

The top camera on the EP8 Ultra gives you a brilliantly clear look at anyone approaching, while the lower camera keeps an eye on your packages and the ground—right where other cameras usually go blind. Together, they capture the moments you care about from every angle, so you never miss a knock, a delivery, or a single detail.

A smart doorkeeper that knows what to notice

The EP8 Ultra keeps a sharp eye out for both people and packages, sending you an instant heads-up the moment something important happens at your door. It alerts you when someone approaches—even before they knock—and lets you know right away when a delivery arrives.

- AI-Powered Recognition for Familiar Faces
- Smart Human Motion Detection
- Package Detection
- FREE No Subscription Fee



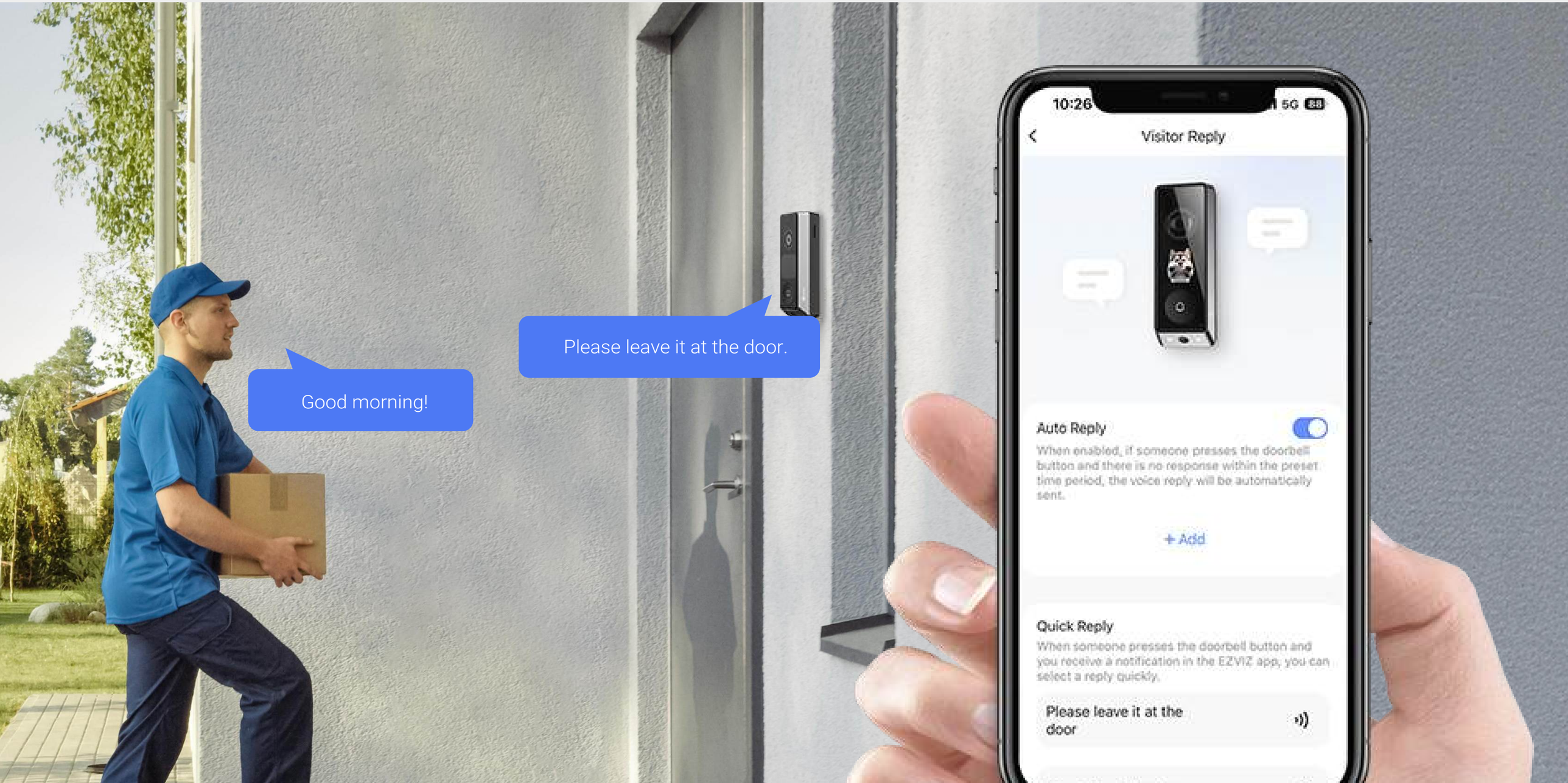
Flexible communication, hands-free convenience

Connect with loved ones through full-screen video, or choose a privacy-focused audio call for deliveries. You can even set automated quick replies to greet visitors whenever you're away.

01 Two-way video talk &auto talk tailored for different needs



02 Quick auto reply to respond when you are not at home



See what others miss, even before the action begins

Instead of starting the video only after motion is detected, the EP8 Ultra captures those crucial early seconds1: who walked up, what they were doing, and how the situation began. You get the full context, not a half-finished story, so you never wonder what happened just before the recording started.



Recording began before delivery man appeared



Human motion detected & package detected



Delivery man left

Render eye-catching images with automatic processing

Powered by advanced WDR and LDC technology, the EP8 Ultra delivers crisp, true-to-life images without blown highlights, dark shadows, or warped edges.







Balance Uneven Brightness



Correct Edge Distortion



See your doorstep come alive in full color, even in the dark

With its built-in LED, the EP8 Ultra lights up your entryway so you can clearly see who's there—even when your front door has no lighting at all. Instead of grainy or washed-out night footage, you get bright, colorful details that help you recognize faces or spot packages.

Get the most out of your doorbell with the perfect match

In larger homes, pairing the EP8 Ultra with the CH1 chime brings your front-door moments to every corner of the house. Pick the ringtone that fits your vibe, and enjoy cheerful alerts that make sure no knock or delivery slips by. A small add-on with a big dose of convenience—and charm.

The EP8 Ultra also chimes with

Amazon Alexa

Existed Mechanical or Electric Chimes (8-24V AC)



Steady performance that never takes a break

The EP8 Ultra runs on two detachable 9,600mAh lithium batteries designed for nonstop reliability. When one battery runs low, simply swap in the backup and keep your doorbell powered without interruption.

Get One Free Extra Backup Battery



Tough finish, designed for any weather

The EP8 Ultra is built tough to withstand the harshest weather, blazing sun,driving rain, and heavy snow.







Reliable performance, faster transmission

With the EP8 Ultra, distance will barely bother you. Equipped with cutting-edge Wi-Fi 6 technology, it provides stable and fast connectivity between the indoor screen and your router, even in large homes with multiple walls.



Enhanced viewing pleasure with smaller video files

Compared to the prevailing H.264 video compression technology, H.265 creates a more fluid viewing experience with recorded videos. Meanwhile, you won't have to worry about large video files taking up too much of your storage space – H.265 technology reduces their sizes by up to 50%.[5]

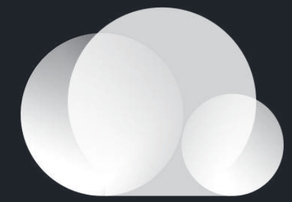


Save valuable moments at zero cost

You don’t need to pay for storage cards or subscription plans before the camera starts saving video clips. The EP8 Ultra is embedded with 32 GB eMMC storage capacity -- which means it can store up to 6 months of video history if it records 10 minutes of activities every day.



Free
32GB eMMC Storage

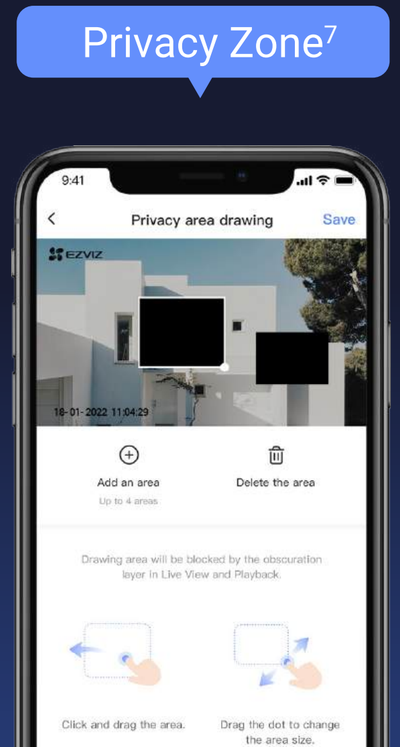


Supports extended storage with EZVIZ CloudPlay[4]

We’re committed to protecting with trust

We put security as the primary goal of every product and system that we build. We have also developed various privacy features and flexible settings that you can use at any time to feel even safer.

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***

ISO/IEC 27001 · ISO 27017 · ISO 27018 · ISO 29151 · ISO/IEC 27701 · ISO/IEC 20000 · ISO 38505 · ISO 22301 · CSA STAR · SOC (AICPA, formerly SAS 70 Report)

1 The pre-rolling function is supported exclusively by the upper lens. This feature is disabled during nighttime operation when Color Night Vision is active.

2 When Color Night Vision is enabled, the EP8 Ultra renders color night vision within 1 meter, according to EZVIZ Lab's test results under standard conditions.

3 Google Assistant is not available in certain languages and countries. When integrating the EP8 Ultra with Google Assistant, users can enable live streaming on their supported devices, but cannot receive incoming video calls or use the chime function.

4 This features of festival greetings and decorative designs are not currently available. Please stay tuned for future updates.

5 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, and other environmental factors

6 Cloud storage service is only available in certain markets. Please verify the availability before making any purchase.

7 Users can draw in rectangles to customize up to 4 privacy zones.

Specifications **Model** CS-EP8 Ultra

Camera Parameters

Image Sensor	1/2.8" Progressive Scan CMOS (Supports low light sensitivity)
Lens	Upper camera: 2.0mm@F 1.6 , diagonal field of view 162 ° Bottom camera: 1.8 mm @ F2.4 , diagonal field of view 88 °
Day & Night	ICR infrared filter type (Max: 6 meters)

Video Parameters

Max Resolution	Main camera: 6MP (2464 × 2464) Bottom camera: 2MP (1920 × 1080)
DNR	2D / 3D DNR
Video Compression	H.265 / H.264
Frame Rate	15fps. Fixed frame rate

PIR Sensor

Sensing Angle	100°
Sensing Distance	Max. 6 m (19.7 ft)
Sensitivity	User adjustable (High: 6 meters, Mid-high: 5 meters, Medium: 4 meters, Mid-low: 3 meters and Low: up to 2 meters)

Storage

Local Storage	Built-in 32GB eMMC
Cloud Storage	Supports EZVIZ CloudPlay storage (subscription required)

Interface

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker
Button	Doorbell button with electronic doorbell
Reset button	Yes

Network Parameters

Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol

Functions

Intelligent Alarm	AI-powered human shape detection; Package detection
Tamper Alarm	Sound and light anti-dismantling alarm (supports sending alerts to the smartphone)
Video Intercom	Two-way talk

Specifications **Model** CS-EP8 Ultra

Wi-Fi Parameters

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4GHz ~ 2.4835GHz
Channel Bandwidth	Supports 20MHz
Security	64/128-bit WEP,WPA/WPA2,WPA-PSK/WPA2-PSK
Transmission Rate	11b: 11Mbps, 11g: 54Mbps, 11n: 150Mbps

General

Operating Conditions	-20°C to 50°C Humidity 95% or less (non-condensing)
Ingress Protection Grade	IP65
Size	155 × 54 × 35 mm (6.1 × 2.1 × 1.3 inch)
Battery Capacity	9,600mAh rechargeable lithium battery (one more back-up battery for free)
Power Supply	8-24VAC, type-C:5V(+-10%)
Power Consumption	3W Max
Weight with Package	650 g (22.93 oz)

In the box

- Doorbell
- Mounting Bracket
- Inclined Mounting Bracket
- Drill Template
- Chime
- Battery × 2
- Type-C Cable
- Pin
- Screw Kit
- U-Shaped Wire × 2
- Wire Connector × 2
- Regulatory Information × 4
- Quick Start Guide
- Video / Audio Monitoring Sticker

Certifications

CE / REACH / WEEE / RoHS

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