C3X AI-Powered Dark-fighter Camera

Security Video For Smart Life

2019.11

EZVIZ™
Security Video For Smart Life

EZVIZ
Security Video For Smart Life

01 Introduction

02 Features

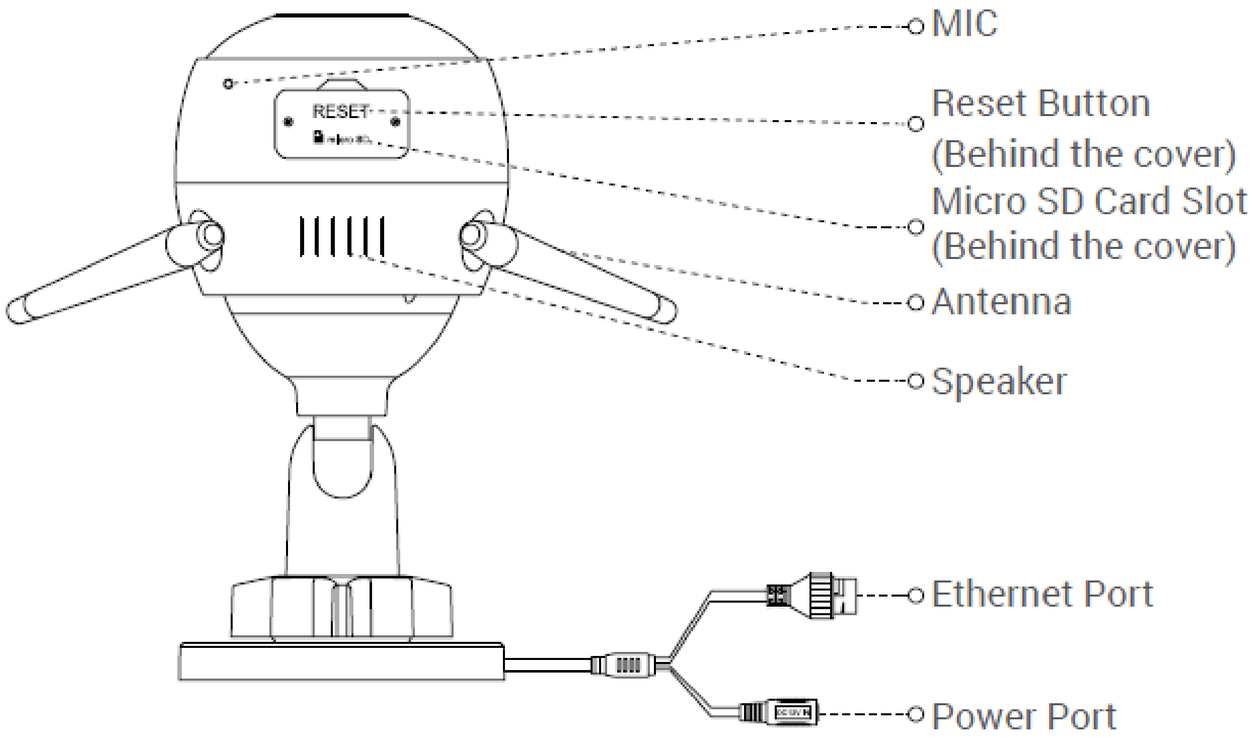
03 Operation

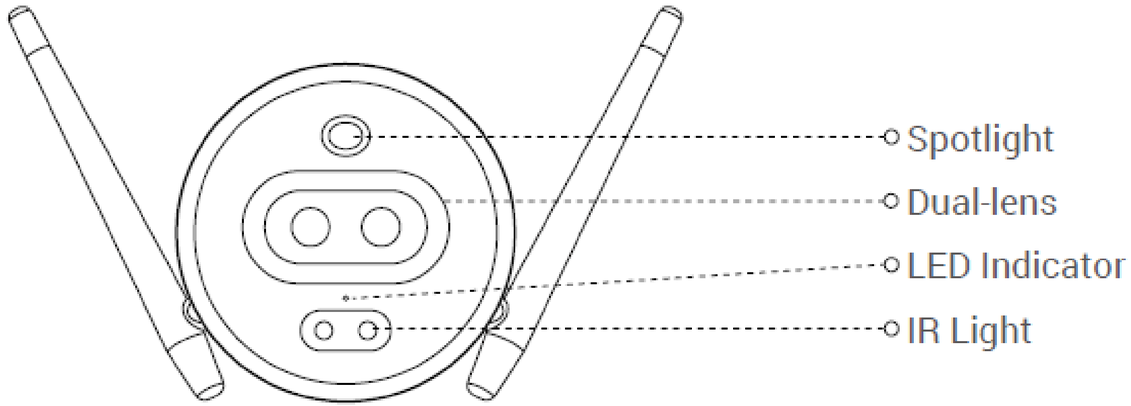
04 SPEC

01

Introduction

Appearance

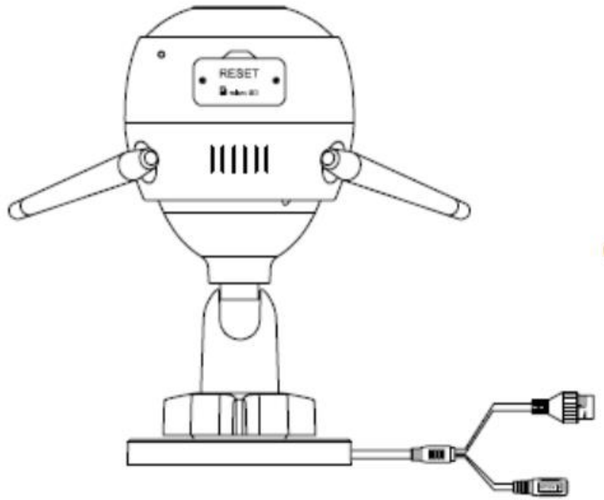

RESET
MIC
Reset Button
(Behind the cover)
Micro SD Card Slot
(Behind the cover)
Antenna
Speaker
Ethernet Port
Power Port


Spotlight
Dual-lens
LED Indicator
IR Light

Dimensions

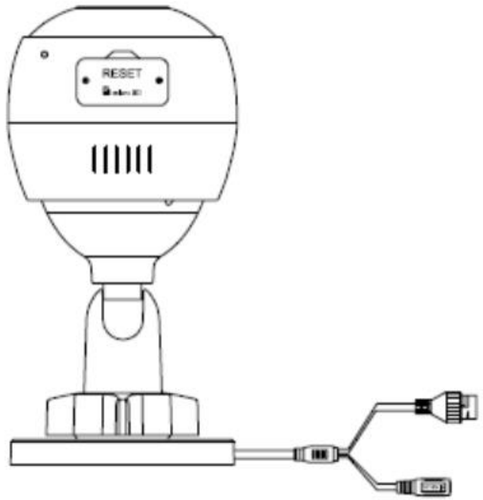
Shuttle Weight：425g

Box Contents



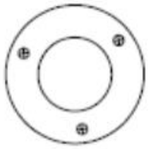
Wi-Fi Camera

or



PoE Camera

Power Adapter



Drill Template

Screw Kit

Waterproof Kit

Quick Start Guide

- The camera appearance is subject to the actual model you have purchased
- Power adapter is not included with the PoE camera model

02

Features

C3X

AI-Powered Dark-Fighter

Dual-lens Wi-Fi camera with built-in AI.

Meet the world's first commercial-grade security camera with a dual-lens setup. Night time color video has become a reality, even with the absence of supplemental lights. And built-in AI algorithms just made everything easier. Now you can get accurate alerts when people and vehicles appear in your specified zones. Get protection with the C3X, in high-tech and professional fashion.

- Intelligent Dual-Lens
- Color Night Vision
- Embedded AI Deep Learning Algorithm
- Human/Vehicle Shape Detection
- H.265 Video Compression
- Active Defense with Siren and Strobe Light
- Dustproof and Waterproof IP67
- Customizable Voice Alerts

The first dual-lens seen on a security camera.

In the dual-2 MP camera setup, vivid color imaging is accomplished using two lenses – one lens records the ambient brightness and the other captures color information. Then the two images are merged using EZVIZ's own proprietary algorithm to create an image that is rich in details and realistic color.

Revolutionary color night vision without spotlights.

Leveraging supplemental lights to achieve color night vision was brilliant – until the introduction of the C3X. The C3X uses dual lenses and dual infrared lights to render better color images even in the lowest light conditions. There's no need for spotlights. C3X's colors are more natural, and the image is more evenly-illuminated.

C3X Night Vision*

Night Vision with Built-in LEDs

Traditional Black/White Vision

*In extreme environments, such as a completely enclosed warehouse or rural areas in a moonless cloudy night, the C3X will shift to black/white mode to ensure utmost image clarity.

Motion-triggered recording of people and vehicles.

With a built-in deep learning model, the C3X can detect the motion of person and vehicle shapes in real-time. Now you can receive the precise motion alerts you've always wanted. When no one is watching, the C3X takes the shift for you.

Actively protects places that matter.

The C3X lets you draw particular zones on the EZVIZ App to protect what matters to you the most. You can decide whether you want to keep people, cars, or both out of the zones. Upon detection of objects of interest, the camera will issue a loud siren and flash the strobe light to drive intruders away. You'll receive a notification in a split second.

Customize your voice alerts.

The C3X lets you record your own voice for customized greeting or deterrence. For example, when visitors park cars in prohibited areas, the camera will play a pre-recorded message and instruct the drivers to park elsewhere

Save money on storage and bandwidth.

Using the latest H.265 video compression technology, the C3X renders clearer and smoother video while reducing the need for data storage space and bandwidth

H.264 (Mainstream Video Compression)

Required Bandwidth

Required Storage Space

H.265 (Upgraded Video Compression)

Required Bandwidth

Required Storage Space

Designed to brave all types of weather.

With a whole metallic enclosure and an IP67 rating, the camera can withstand rainy, sunny, stormy, and even snowy days, giving you year-round peace of mind.

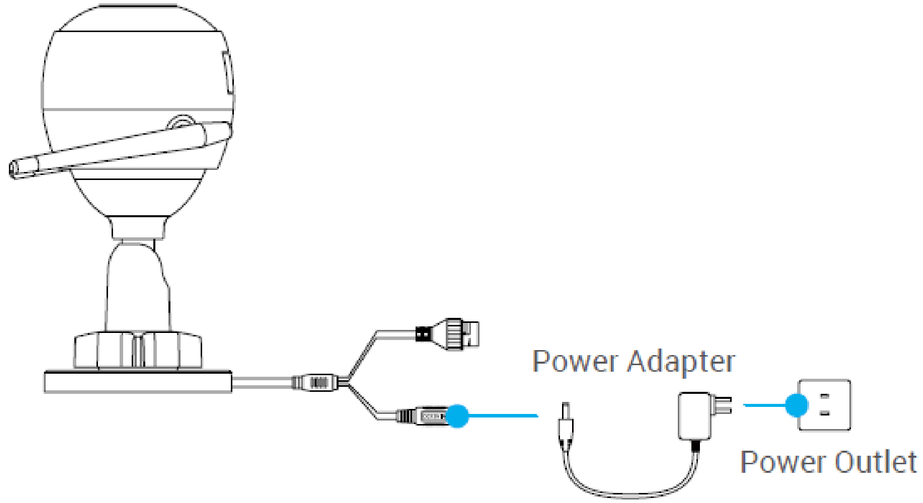
03

Operation

Setup For Wi-Fi Camera

Step 1 Power-on

Connect the camera to power outlet with the power adapter, as shown below.



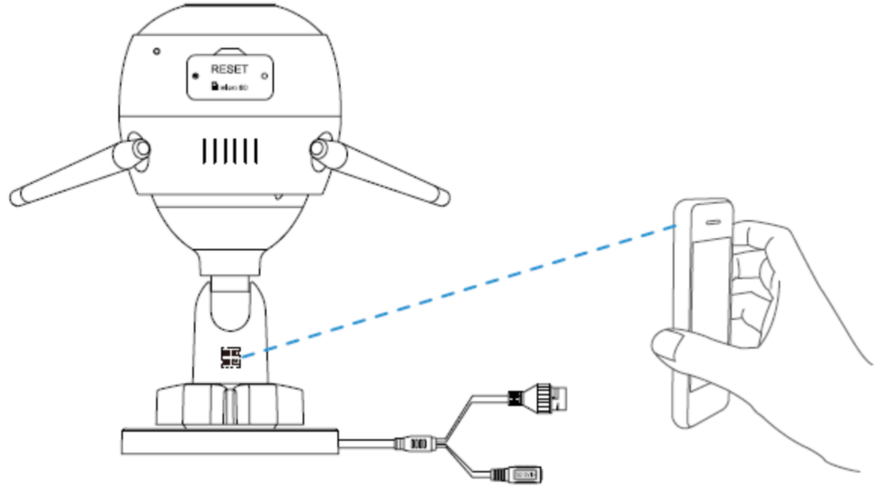
Step 2 Camera Setup

1. Create a user account

- Connect your mobile phone to Wi-Fi.
- Download and install the EZVIZ app by searching “EZVIZ” in App Store or Google Play.
- Launch the app and register an EZVIZ user account following the start-up wizard.

2. Add a camera to EZVIZ

- Log in the EZVIZ app.
- From the EZVIZ app Home screen, tap “+” on the upper-right hand corner to go to the scan QR code interface.
- Scan the QR code on the body of the camera, follow the EZVIZ app wizard to finish Wi-Fi configuration



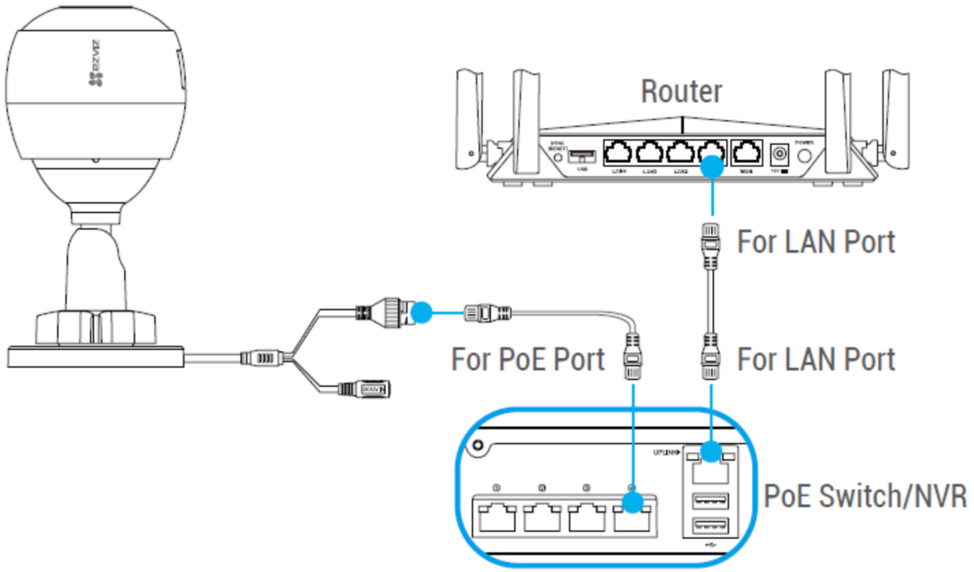
- Hold the RESET button for 5 seconds when adding cameras or Wi-Fi connection failed.
- Please make sure your phone is connected to the 2.4GHz Wi-Fi from the router for Wi-Fi configuration.

Setup For PoE Camera

Step 1 Power-on

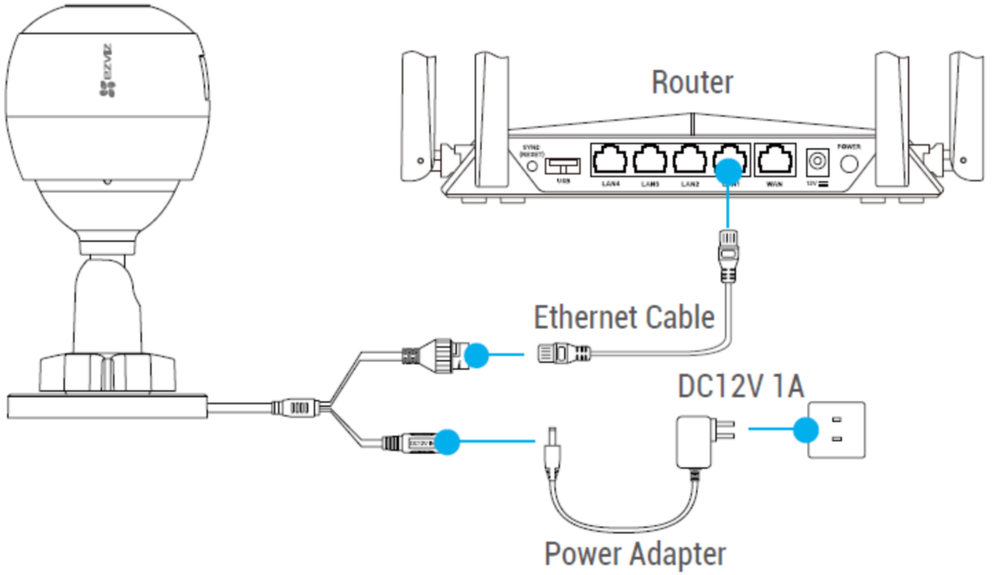
Option 1. Connect your PoE camera to a PoE Switch/NVR.

- Connect the Ethernet cable to the PoE port of your camera.
- Connect the other end of the Ethernet cable to the PoE port of your PoE switch or NVR.
- Connect the LAN port of your PoE Switch or NVR to the LAN port of a router via the Ethernet cable.



Option 2. Connect your PoE camera to a router

- Connect the power adapter cable (sold separately) to the camera's power port.
- Plug the power adapter into an electrical outlet.
- Connect the Ethernet cable to the PoE port of your camera.
- Connect the other end of the Ethernet cable to the LAN port of a router.



Setup For PoE Camera

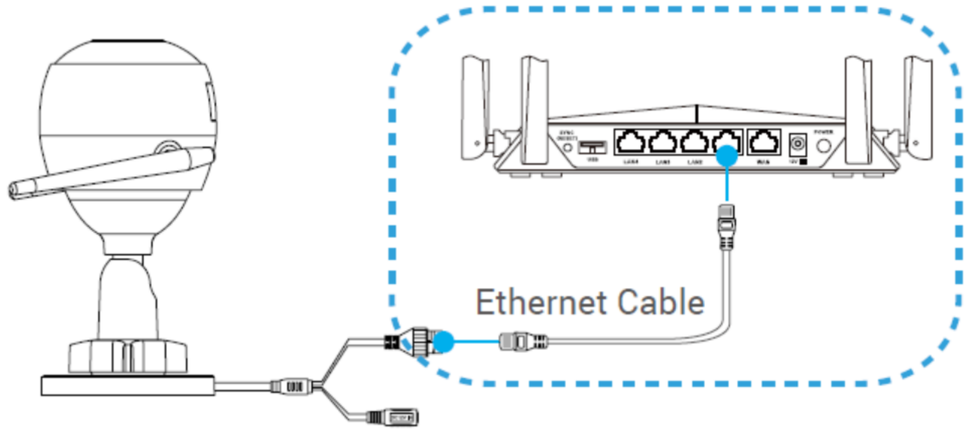
Step 2 Camera Setup

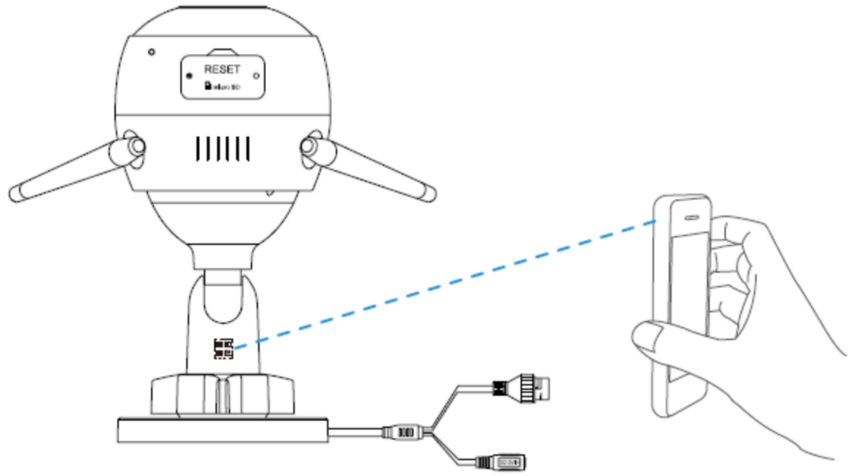
1. Create a user account

- Connect your mobile phone to Wi-Fi.
- Download and install the EZVIZ app by searching “EZVIZ” in App Store or Google Play.
- Launch the app and register an EZVIZ user account following the start-up wizard.

2. Add a camera to EZVIZ

- Connect the camera to the LAN port of your router with the Ethernet cable.
- Log in the EZVIZ app.
- From the EZVIZ app Home screen, tap “+” on the upper-right hand corner to go to the scan QR code interface.
- Scan the QR code on the body of the camera, follow the EZVIZ app wizard to finish Wi-Fi configuration





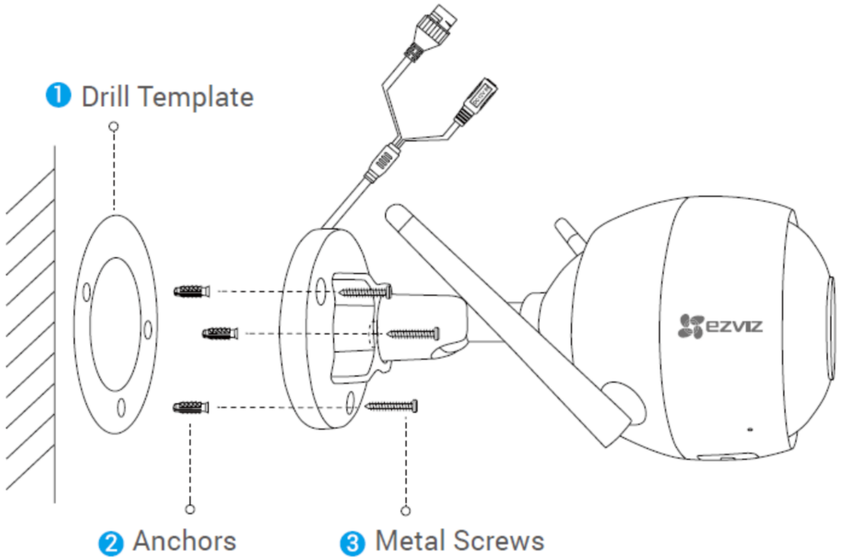
Camera Installation

You can install the camera on the wall or ceiling.

- Make sure the wall is strong enough to withstand three times the weight of the camera.
- Recommended installation height: 3m (10 inch).
- Avoid positioning the camera in an area that gets a lot of light shining directly into the camera lens.

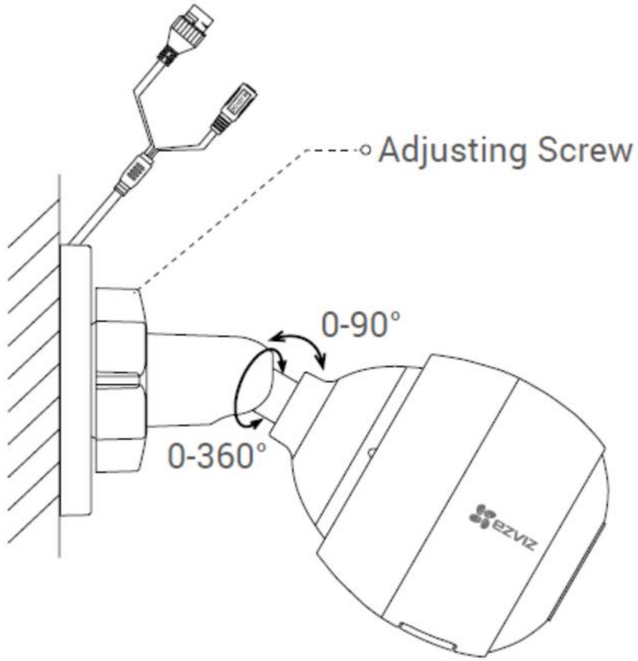
3.1 Install the Camera

- Place drill template onto the surface you have chosen to mount the camera.
- (For the cement wall/ceiling only) Drill screw holes according to the template, and insert three anchors.
- Use three metal screws to fix the camera base according to the template.



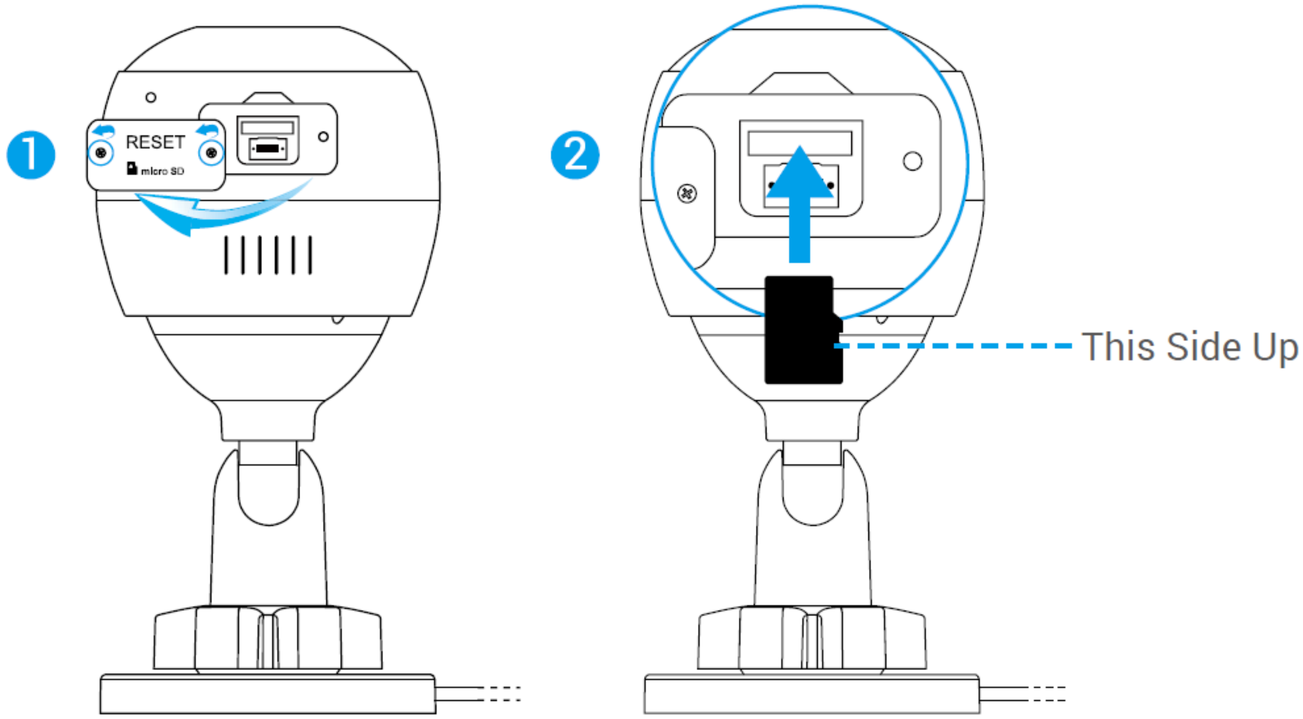
2 Adjust the Surveillance Angle

- Loosen the adjusting screw.
- Adjust the surveillance angle as your desired place.
- Tighten the adjusting screw when you have your camera in the position you want.



Install the SD Card

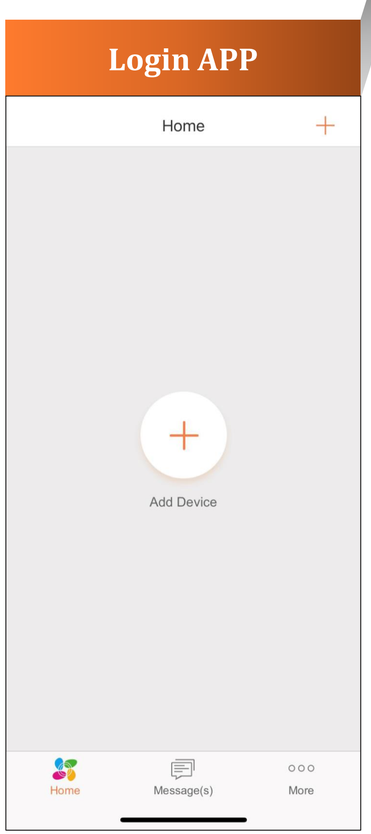
1. Remove the cover on the camera.
2. Insert the Micro SD card (sold separately) into the card slot as shown in the figure below.
3. Place the cover back on.
5. In the EZVIZ app, tap the Storage Status in the Device Settings interface to check the SD card status.
6. If the memory card status displays as Uninitialized, tap to initialize it.



AP Pairing

Make sure your EZVIZ app is V3.6 or above.

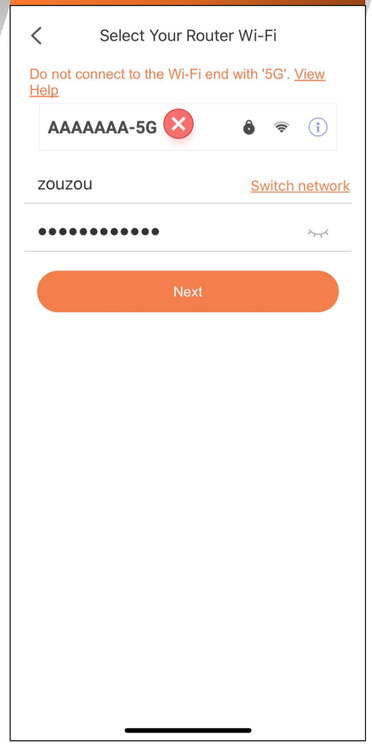
Login APP



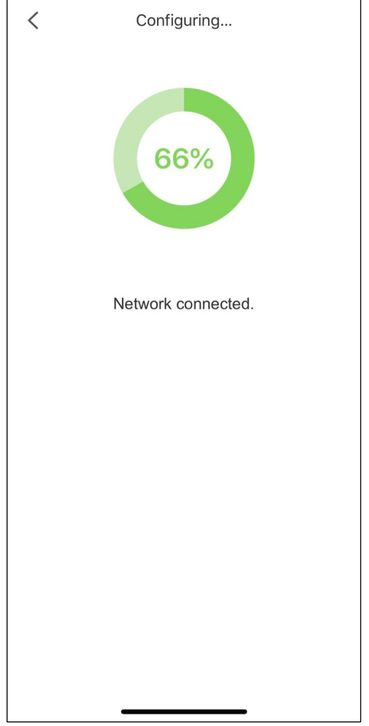
Scan QR code

Initialize the dev.

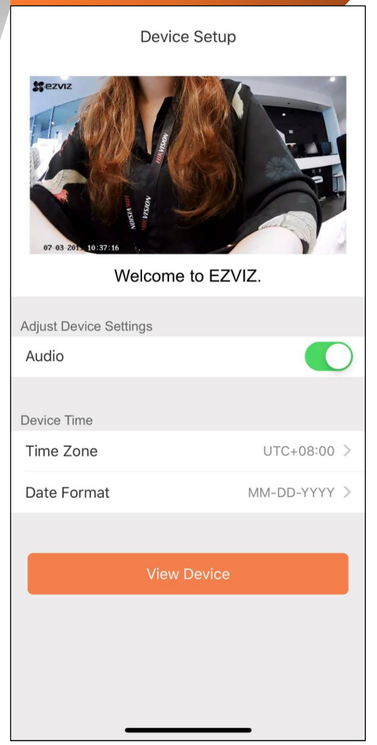
Select Wi-Fi



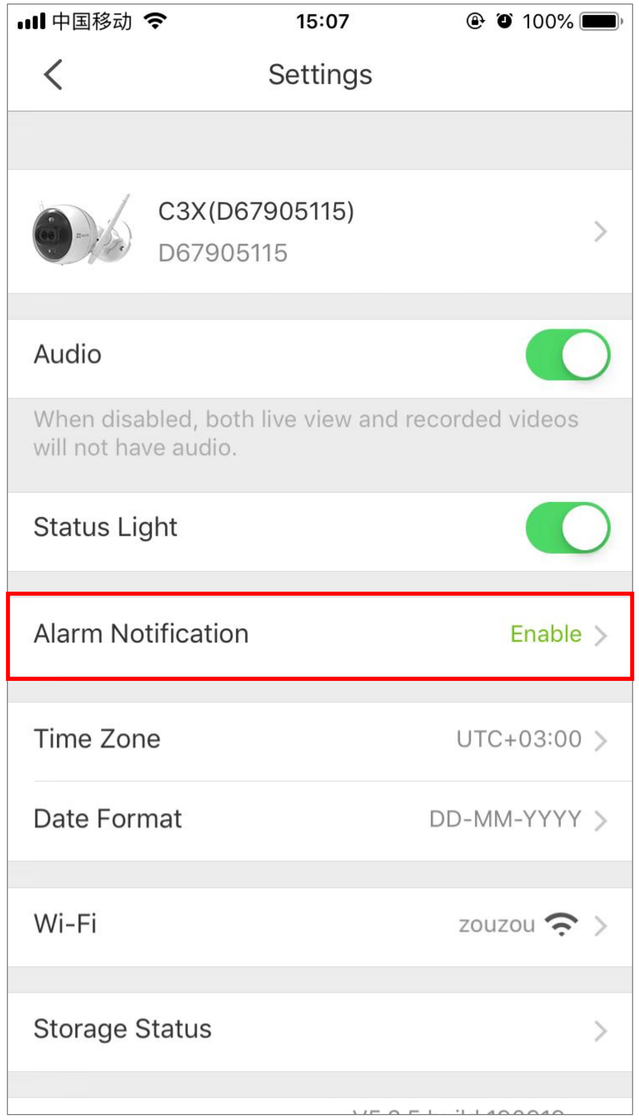
Configuring

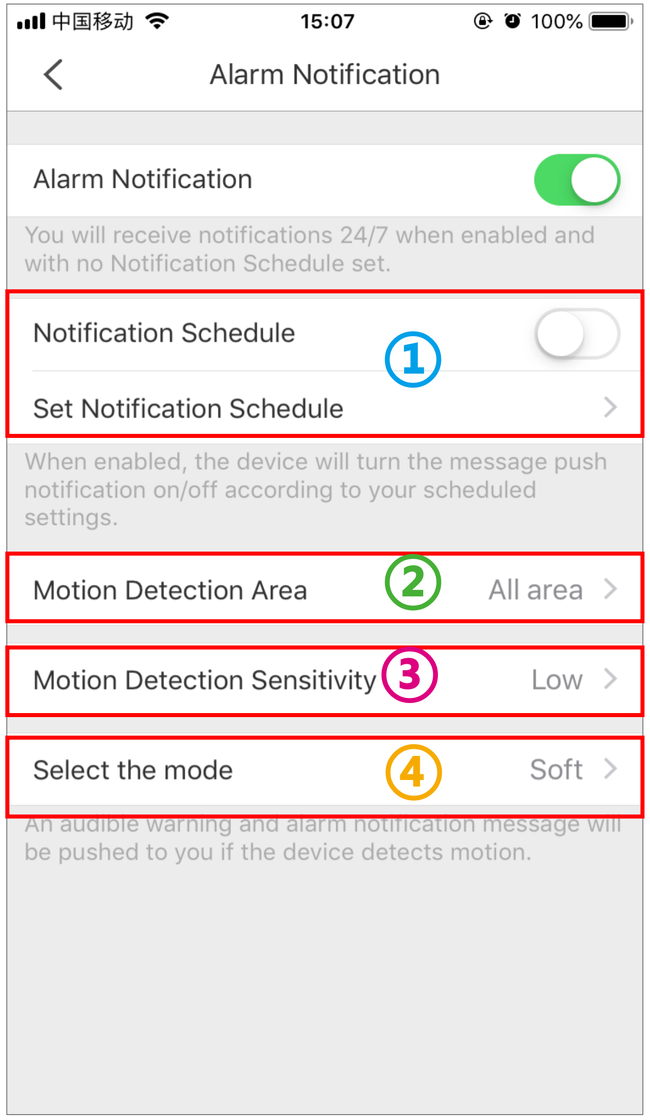


Done



Alarm Setting





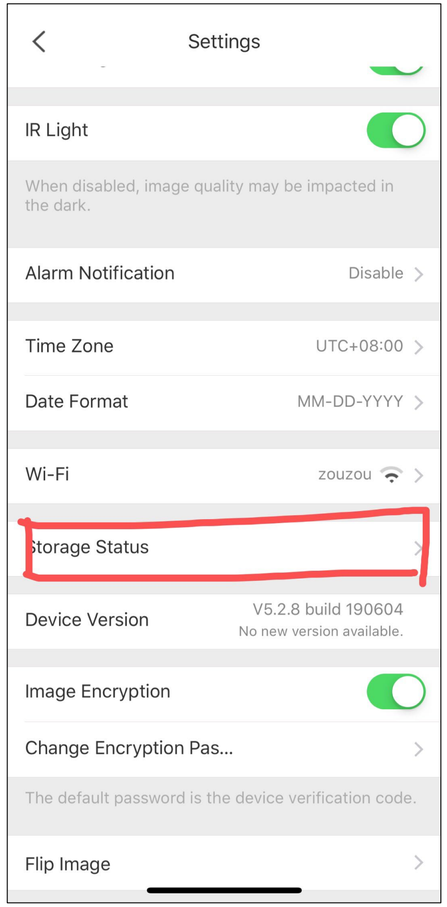
① Enable Notification Schedule, the device will turn the message push notification on/off according to the scheduled settings.

② We can draw motion detection area for alarm only.

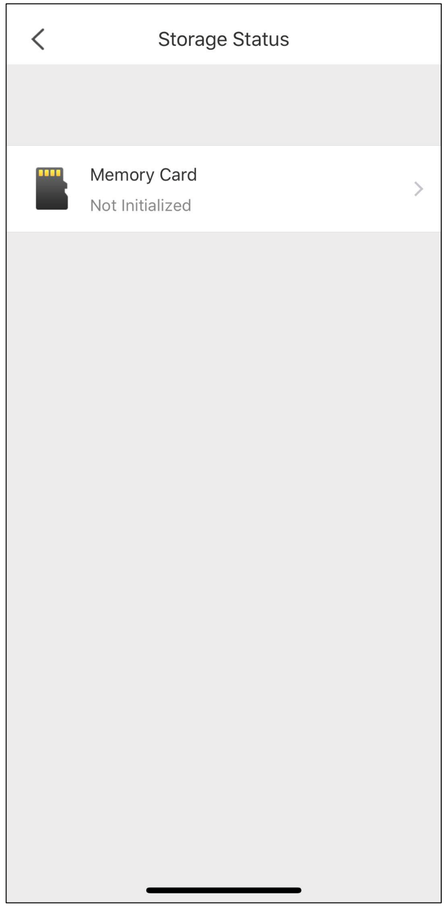
③ 0: Motion detection off
1: Low sensitivity. Movement over wide areas will trigger motion alerts
6: High sensitivity. Movement over small areas will trigger motion alerts

④ Intensive, Soft, Mute or Custom Sound ON/OFF Light flashing reminder.

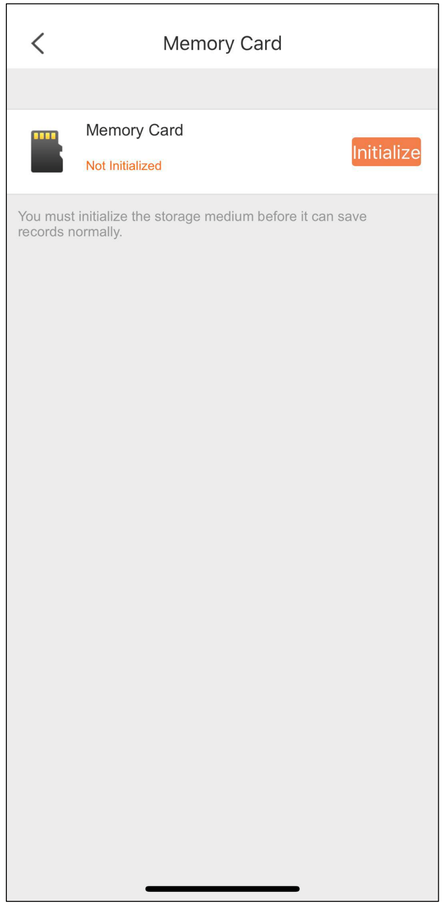
Storage Setting



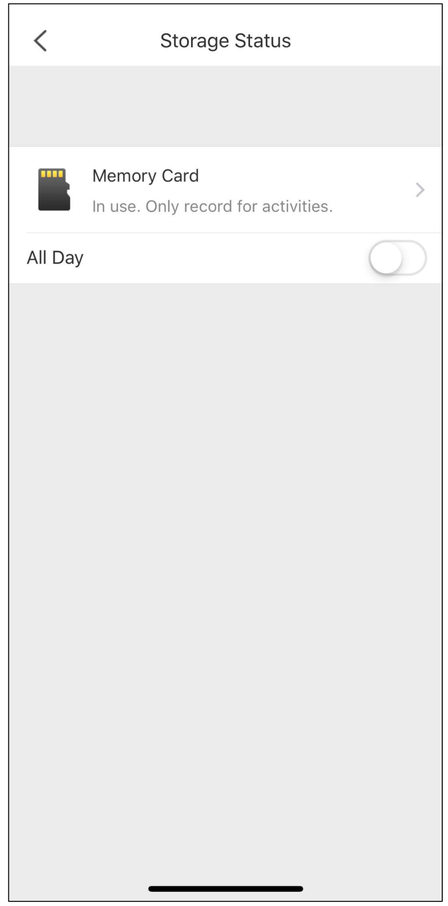
Step1: Find the “Storage Status” in the main setting page



Step2: Check the status of the memory card



Step3: Initialized the memory card if it’s first used



Step4: Manage the card and change the recording strategy if needed

Comparison

	C3W (ezGuard)	C3W (Color night vision)	C3WN	C3X
Appearance				
Resolution	HD, Full HD	Full HD	Full HD	Full HD
Video coding standard	H.264	H.264, ***H.265***	H.264	H.264, ***H.265***
User defined alarm tones	Not support	***Supports***	Not support	***Supports***
Active Light and Sound alarm	Supports	Supports	Not support	Supports
IP Grade	IP 66	***IP 67***	IP 66	***IP 67***
Color night image	Not support	***Supports***	Not support	***Supports***
Two-Way talk	Supports	Supports	Not support	Supports
Max. SD card	256G	256G	256G	256G
Human/car Shape Detection	Not support	Not support	Not Support	***Supports***
AI Deep Learning	Not equipped	Not equipped	Not equipped	***Equipped***

04

SPEC

Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	2.8 mm @ F1.6, view angle: 105° (Horizontal), 120° (Diagonal)
Min. Illumination	color night vision, 0.0005 lux
Lens Mount	M8
DNR	3D DNR
WDR	Digital WDR

Compression

Video Compression	H.264 / H.265
Video Bit Rate	Ultra-HD; HD; Standard. Adaptive bit rate.

Image

Max. Resolution	1920 × 1080
Frame Rate	50Hz: 25fps; Self-Adaptive during network transmission
BLC	Supports

Network

Smart Alarm	Motion detection, human shape detection, vehicle shape detection
Setup Motion Detection Area	Supports
Wi-Fi Pairing	AP paring
Protocol	EZVIZ cloud proprietary protocol
Interface Protocol	EZVIZ cloud proprietary protocol

Interface

Storage	Micro SD card slot (Max. 256 GB)
Wired Network	RJ45 X 1 (10M/100M self-adaptive Ethernet port)

Wi-Fi

Standard	IEEE802.11b/g/n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20 MHz
Security	64 / 128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK
Transmission Rate	11b: 11 Mbps, 11g: 54 Mbps, 11n: 144 Mbps

General

Operating Conditions	-30°C to 60°C (-22°F to 140°F), humidity 95% or less (non-condensing)
Power Supply	DC 12V±10%
Power Consumption	Max. 12W
IR Range	Max. 30 meters (98.43 feet)
IP Grade	IP67
Dimensions	72 x 72 x 150 mm (2.83 x 2.83 x 5.9 inch)
Packaging Dimensions	253.5 x 111.5 x 93.5 mm (9.98 x 4.39 x 3.68 inch)
Weight	425g (0.94 lb)

Thank You

For more information, visit https://www.ezvizlife.com/
Join the EZVIZ communities on Facebook, Instagram, Twitter and YouTube (@ezviz_global)

EZVIZ™
Security Video For Smart Life