

# ***User Manual***

## **QHD Wireless IP Camera**



Model: X4

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# Security Warning

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- Please change the password of your doorbell regularly, using a combination of numbers, letters and special characters.
- We recommend that you regularly update your doorbell to the latest available software and firmware versions to help ensure the best experience for your doorbell.

# 1 Overview

Welcome to use our product, Foscam Camera. Foscam Camera is an integrated IP Camera with a color CMOS sensor enabling viewing in High Definition resolution. It combines a high quality digital video camera, with a powerful free Foscam Video Management Software, to bring clear video to your desktop from anywhere on your network or over the APP.

It supports P2P function. Thanks to the P2P easy access technology, you don't need to do complicated Port Forwarding and DDNS settings, you just need to scan the QR code on the side of the camera to connect it on smart phone, or input the UID on CMS software to realize remote access.

The Doorbell supports the industry-standard H.265 compression technology, drastically reducing file sizes and conserving valuable network bandwidth.

The camera is designed for indoor surveillance with wide applications such as at home, in retail store and in office. Controlling the camera and managing images are simplified by using the provided web interface across the network in either wired or wireless way.

## 1.1 Key Features

- ◆ 4.0Megapixels
- ◆ Supports WPA and WPA2 Encryption
- ◆ Support full duplex real-time 2-way Audio
- ◆ Supports AI algorithm (Humanoid detection)
- ◆ P2P Feature for Easy Remote Access
- ◆ H.265/H.264 video Compression
- ◆ Motion/Sound/Human Detection
- ◆ Support 2.4GHz&5GHz dual-band WiFi
- ◆ Supports image snapshot
- ◆ Supports dual-stream
- ◆ IR Range up to 8m(26ft)
- ◆ Nightvision with 940nms LEDs, no light pollution
- ◆ Supports remote viewing & record from anywhere anytime
- ◆ Multi-level users management with password protection
- ◆ Supports multiple network protocols: IP、TCP、UDP、SMTP、FTP、DHCP、RTSP、ONVIF
- ◆ Providing Video Management Software to manage or monitor multi-cameras
- ◆ Supports Alexa
- ◆ Supports Google Assistant
- ◆ Supports 128G Micro SD Card Storage(External)

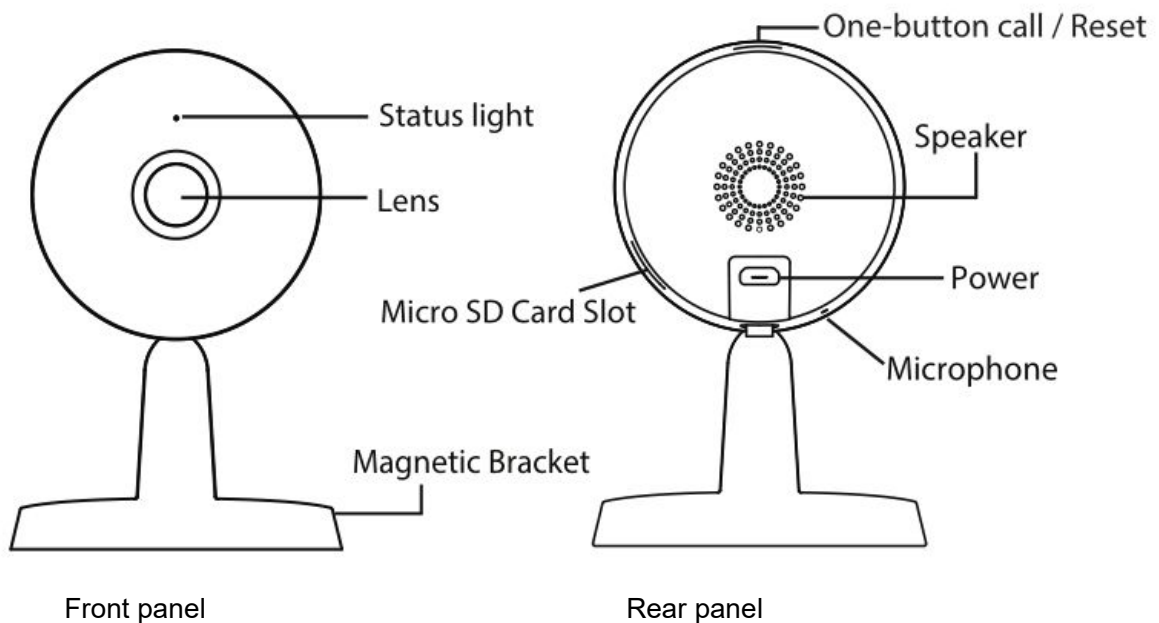
## 1.2 Read before Use

Please first verify that all contents received are complete according to the Package Contents listed below. Before the Network Camera is installed, please carefully read and follow the instructions in the Quick Setup Guide to avoid damage due to faulty assembly and installation. This also ensures the product is used properly as intended.

## 1.3 Package Contents

• IP Camera × 1	• AC Adapter × 1
• Quick Setup Guide × 1	• Power Line × 1
• mounting plate × 1	

## 1.4 Physical Description



Front panel:

Status light: The flashing status of the Status light are shown in the following table.

Flashing Status	Description
Constantly bright (orange)	Powered on
Flashing(blue) every 0.4 seconds	Reset to take effect
Constantly bright (blue)	Wi-Fi connected
Flashing every(blue) 0.4 seconds and keep on 3 seconds	One-button call
Flashing every(blue) 0.2 seconds	EZLink takes effect

Lens: Fixed focus lens.

Magnetic Bracket: Adsorbing on a ferromagnetic object using a magnet on the base

Rear panel:

One-button call /Reset

One-button call: Press and hold the button for 1 to 5 seconds to trigger One-button call, the status light will blink every 0.4 seconds and keep on 3 seconds;

Reset: Press and hold the Reset button for more than 10 seconds to set the camera to factory default, the Power light will blink every 0.4 seconds;

Speaker: Built-in speaker

Power: DC 5V/1A Power supply.

Microphone: Built-in microphone.

Micro SD Card slot: Supports up to 128GB SD card for storing the video.

## 1.5 SD Card Management

This camera supports Micro SD Card.

When you plug in the SD card during the camera work process, please reboot the camera again, or else the SD Card may be cannot work well.

Go to the **Settings→Device Status→Device Status** page, you can see the SD card status.

## 1.6 Add Device: Connection via the Foscam App

Scan the QR code below to download and install the Foscam APP.

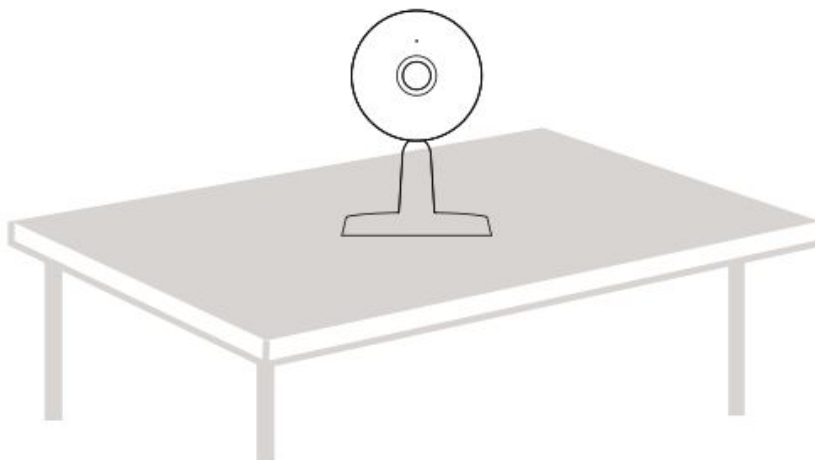


Please refer to the **Quick Setup Guide**.

## 1.7 Installation

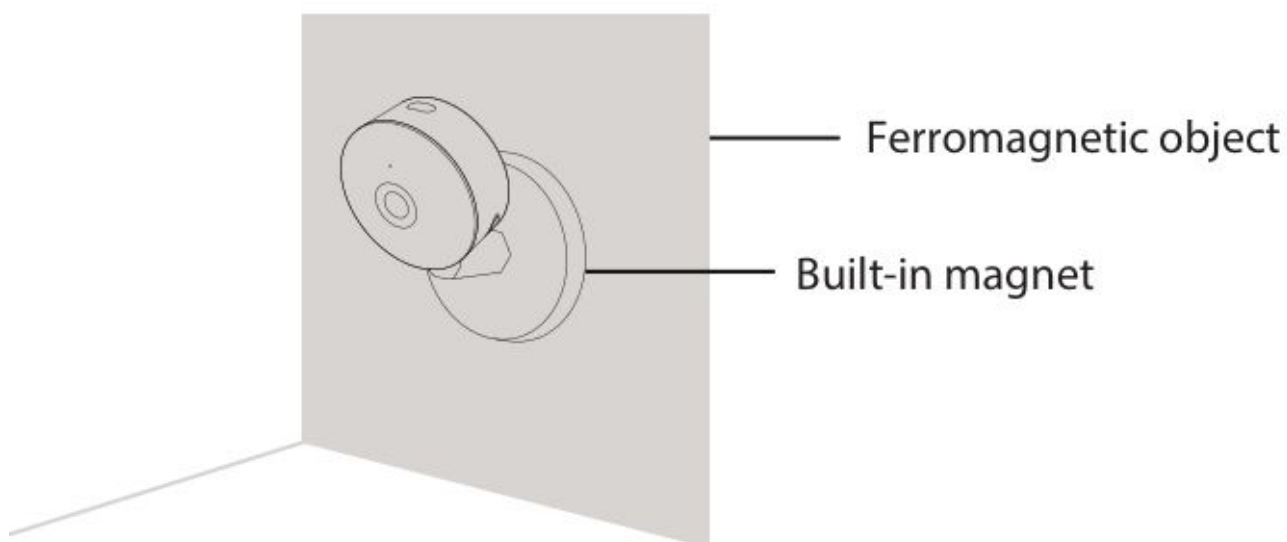
Please refer to the **Quick Setup Guide**.

### 1.7.1. Place Your Camera on a Flat Surface



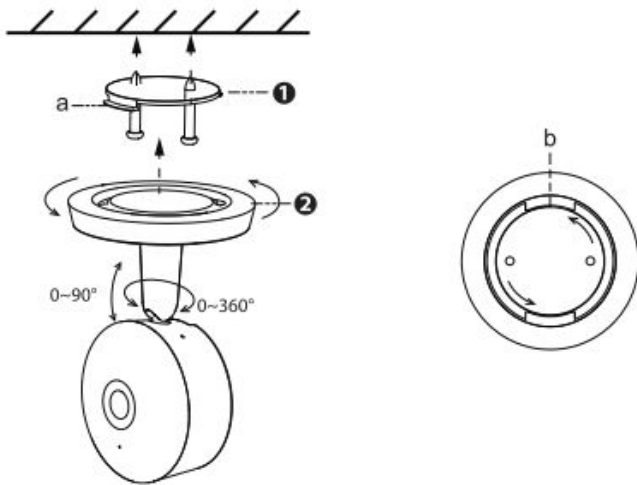
You can place your camera on a flat surface (desk, shelf, Table, etc.).

### 1.7.2. Adsorbing on a ferromagnetic object using a magnet on the base



You can Adsorbing on a ferromagnetic object using a magnet on the base

### 1.7.3. Your Camera to the Wall



Install the mounting plate on a wall or ceiling with supplied fixing screws.

Note: Align points a and b to insert the camera base to the mounting plate. Rotate so that points a and b are aligned, this attaches the camera securely to the base.

## 2 Default Parameters

### Default network parameters

IP address: obtain dynamically

Subnet mask: obtain dynamically

Gateway: obtain dynamically



### 3 Specification

ITEMS		X4
<b>Image Sensor</b>	Sensor	High Definition Color CMOS Sensor
	Display Resolution	4.0M Pixels
	Min. Illumination	N/A (Without IR Illuminator)
<b>Lens</b>	Lens Type	Glass Lens
	focal length	f 2.8mm
	Aperture	F 2.6
	Angle of view	Horizontal:97.2° Diagonal : 116.6°, Vertical:52.6°
<b>Video</b>	Image Compression	H.265/H.264
	Image Frame Rate	Max 25fps (2K)
	Resolution	2K,3MP,1080P,720P, VGA, QVGA
	Stream	Dual stream
	Image adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable
	Flip image	Flip and mirror
	Infrared mode	9pcs (940nms)
	Night mode	Manual and automatic modes
	Night visibility	8 m
<b>Audio</b>	Input/Output	Build-in two-way audio
	Audio Compression	PCM/ G.726
<b>Network</b>	Ethernet	N/A
	Wireless Standard	2.4GHz&5GHz,IEEE802.11b/g/n/ac
	Data Rate	IEEE802.11b: 11Mbps(Max.); IEEE802.11g: 54Mbps(Max.); IEEE802.11n: 150Mbps(Max.). IEEE802.11ac: 433Mbps(Max.).
	Wireless Security	WPA, WPA2
	Remote Access	P2P
	Wifi configuration mode	Support scan QR code , sound wave to add camera
	Network Protocol	IP、TCP、UDP、SMTP、FTP、DHCP、RTSP、ONVIF
<b>System Requirements</b>	Operating System	Microsoft Windows XP,7,8,10;Mac OS;iOS、Android
<b>Other Features</b>	Motion Detection	Alarm via E-Mail, upload alarm snapshot to FTP , push message to mobile phone and push stream to Cloud
	Sound Detection	Alarm via E-Mail, upload alarm snapshot to FTP , push message to mobile phone and push stream to Cloud
	Human Detection	Alarm via E-Mail, upload alarm snapshot to FTP , push message to mobile phone and push stream to Cloud

	Privacy Block	N/A
	User Accounts	Three levels user role
	Firewall	Supports IP Filtering
	One-button call	Press the button to call the mobile phone
	Reset	Reset button is available
<b>Power</b>	Power Supply	Micro USB 5V/1.0A
	Power Consumption	5 Watts (Max.)
<b>Physical</b>	Dimension(LxWxH)	70(L)x70 (W)x120 (H)
	Net Weight	165g
<b>Environment</b>	Waterproof	N/A
	Operating Temperature	-10°C~ 40°C (14°F ~ 104°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
<b>Certification</b>	CE, FCC, RoHS,WEEE	

**For other parts, please refer to the “FOSCAM Camera User Manual”**