![Foscam home security logo]

User Manual

Indoor IP Camera

Model: R8M

V3.0

Table of Contents

1 Overview

1.1 Key Features

- ◆ 8.0 Mega-Pixel
- ◆ H.264+/H.264 video Compression
- ◆ Supports 2.4G/5G dual-band Wi-Fi 6 Wireless Connection
- ◆ Supports Pet (Dog & Cat) & Human & Sound & Motion detection
- ◆ Compatible with free Foscam Video Management Software
- ◆ Compatible with free Foscam iOS and Android APP
- ◆ Supports Full Duplex two-way Audio and one-touch calling function
- ◆ Supports 256GB Micro SD Card storage(External)
- ◆ IR Range up to 10m (33ft)
- ◆ P2P Feature for Easy Remote Access
- ◆ Supports image snapshot
- ◆ Supports Pan & Tilt
- ◆ Supports Millimeter wave radar to reach 360° Auto tracking
- ◆ Supports dual-stream
- ◆ 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
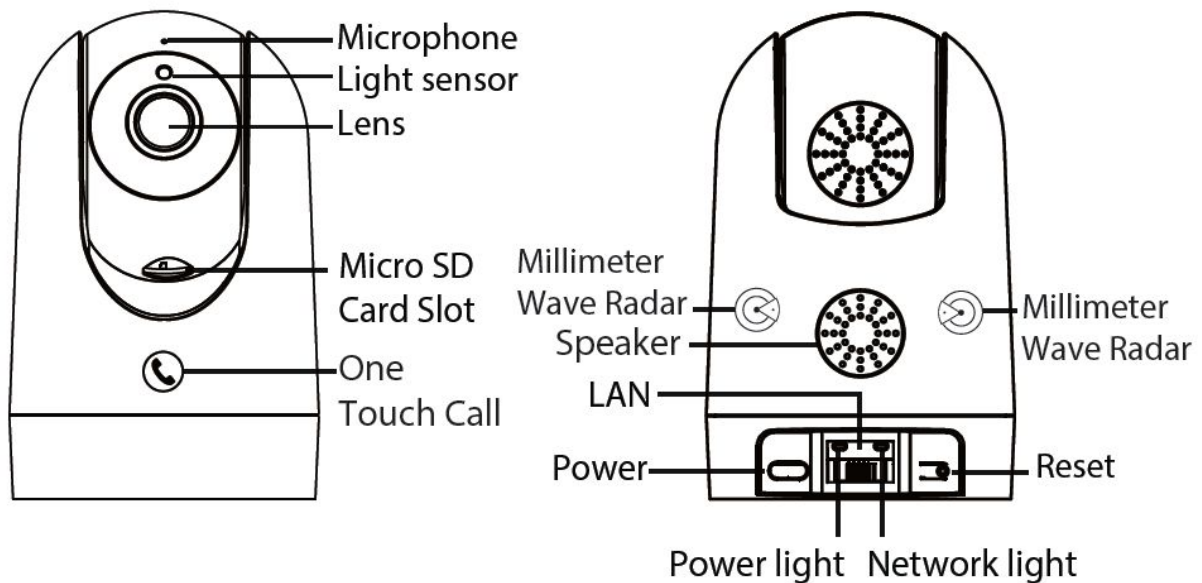- ◆ Supports Alexa, Google Home

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 Packing Contents

● Camera× 1	● Ethernet Cable× 1
● Quick Setup Guide × 1	● Expansion Screws× 1
● Power Supply × 1	● Mounting bracket×1

1.4 Physical Description

- LENS: Fixed focus lens.
- Light sensor:It is a device that can detect the ambient light intensity to switch between day and night modes.
- Infrared LED: Infrared LEDs for night vision.
- Microphone: Built-in microphone.
- One Touch Call: One-touch call, press this button to make a one-touch call with the APP
- Micro SD Card slot: Supports up to 128GB SD card for storing the video.
- Reset: Reset: Push 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;

Rear panel:
- LAN: 10/100 Mbps RJ-45 port for wired connection
- Power: DC 5V/1A AC Adapter.
- Speaker: Built-in speaker
- Antenna: Used to connect external wireless antenna
- Millimeter Wave Radar：The radar transmits millimeter wave signals, which are reflected after encountering objects, and the target information is analyzed by receiving the reflected waves.

The flashing status of the Power light and Network light are shown in the following table.

Light	Flashing Status	Description
Power light	off	The power don't work properly.
	on	The power supply works fine.
	Flashing every 0.4 seconds	Reset to take effect
Network light	off	No Wireless connection
	Constant Flash	Wired connection
	Slow Flash every 1.0 second	Wi-Fi connected
	Flashing every 0.2 seconds	EZLink takes effect

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 might not work well.
On Foscam app go to the **Settings→Device Status→Device Status** page, you can see the SD card status.

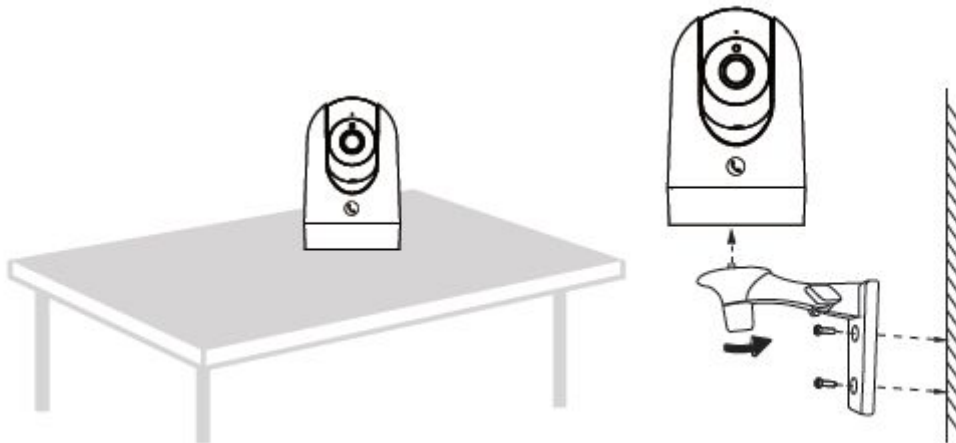## 1.6 Add Device: Connection via the Foscam App

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. Place the camera directly on a desk.
2. Screw the mount on the wall with the two screws provided.
3. Loosen the thumb screws to adjust the mount to the desired position. Once the position is set, tighten the screws securely.

2 Default Parameters

Default network parameters

IP address: obtain dynamically

Subnet mask: obtain dynamically

Gateway: obtain dynamically

3 Specification

ITEMS		R8M
Image Sensor	Sensor Type	High Definition Color CMOS Sensor
	Display Resolution	8.0Megapixels(3840*2160)
	Min. Illumination	0 Lux (With IR Illuminator)
Lens	Lens Type	f.2.8mm; F1.6
	Angle of view	Diagonal:124.5°, Horizontal: 108°, Vertical: 59.8°
Video	Image Compression	H.264+/H.264
	Image Frame Rate	Max 25fps (8MP), downward adjustable
	Resolution	4K(3840*2160) 2M/20 fps,1080P(1920*1080)1M/20fps, 720P(1280*720)1M/15fps
	Stream	Dual stream
	Image Adjustment	The hue, brightness, contrast, saturation and sharpness are adjustable
	Flip Image	Flip and mirror
	Infrared Mode	Automatic and manual
	Pan/Tilt Angle	Pan:350° / Tilt:150°
	Night Visibility	8pcs IR-LEDs, night vision range up to 8 metres
Audio	Input/Output	Built-in mic and speaker, supports full duplex 2-way Audio
	Audio Compression	PCM/AAC
	Siren	Supports maximum 100dB alarm siren
Network	Ethernet	One 10/100Mbps RJ45 port
	Wireless Standard	2.4G/5G dual band, IEEE802.11b/g/n/ax (2.4GHz), IEEE802.11a/n/ac/ax(5GHz)
	Remote Access	P2P
	Wireless Setup	Supports Bluetooth connection + QR Code
	Network Protocol	IP, TCP, UDP, SMTP, FTP, DHCP, RTSP
System Requirements	Operating System	Microsoft Windows (Foscam VMS), MacOS (Foscam VMS), Android (Foscam app), iOS (Foscam app)
Other Features	Auto Tracking	Supports Millimeter Wave Radar to reach 360° Auto tracking
	Motion Detection	Alarm via E-Mail, FTP and Foscam app when an event is detected
	Sound Detection	Alarm via E-Mail, FTP and Foscam app when an event is detected

	Human Detection	Alarm via E-Mail, FTP and Foscam app when an event is detected
	Pet Detection(Dog &Cat)	Alarm via E-Mail, FTP and Foscam app when an event is detected
	WDR	Improve image clarity in complex scenarios
	Zoom	20X digital zoom function
	Storage	Supports max. 256GB Micro SD card, local and FTP storage,Foscam cloud storage
	Intelligent Assistant	Supports Alexa, Google Home
Power	Power Supply	USB C 5V/2A
	Power Consumption	<10.0W
Physical	Dimension(LxWxH)	φ77mm*122mm
	Net Weight	251g
Environment	Operating Temperature	-20°C ~40° (-4°F ~ 104°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temperature	-20°C ~ 60° (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
Certification	FCC, CE, RoHS, WEEE	

For other parts, please refer to the "FOSCAM Camera User Manual"