

# ***User Manual***

**Foscam 1080P Starlight Outdoor  
Wi-Fi IP Security Camera**



Model: FI9902P FI9912P G2

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# 1 Overview

## 1.1 Key Features

- ◆ 2MP FHD Waterproof IP Camera
- ◆ H.264 video Compression
- ◆ Supports Human detection, Motion Detection
- ◆ Compatible with free Foscam Video Management Software
- ◆ Compatible with free Foscam iOS and Android APP
- ◆ Support 2.4GHz WiFi
- ◆ Supports WDR(Wide-Dynamic Range)
- ◆ Supports 256GB Micro SD Card storage(External)
- ◆ Night Vision Range up to 20m(66 feet)
- ◆ P2P Feature for Easy Remote Access
- ◆ Supports image snapshot
- ◆ 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
- ◆ Supports Google Assistant

## 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
● Waterproof Lid × 1	● Wi-Fi Antenna * 1
● Surveillance sign× 1	●Power Adapter × 1

## 1.4 Physical Description

### 1.4.1 Front Panel



**1 WiFi Antenna:** Wireless Antenna

**2 Infrared LED:** 30 IR LEDs

**3 LENS:** All Glasses Material

### 1.4.2 Interface



#### **1 LAN**

10/100M adaptive Ethernet interface. Through this interface, IP camera can be connected with various network devices, such as hub, router, etc.

#### **2 Audio input interface**

The jack is used to plug external input device such as sound pick up device directly. Here microphone cannot directly insert to the interface, it must connect to adapter first.

### 3 Audio output interface

The jack is used to plug external output device such as loud speaker directly. Here microphone cannot directly insert to the interface, it must connect to adapter first.

### 4 Power Interface

Connect the external power adapter, request for 12V / 1A power.

### 5 Reset button

Press and hold on the reset button for 5 seconds. Releasing the reset button, the password will back to the factory default administrator password. The default administrator user is admin with no password.

## 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

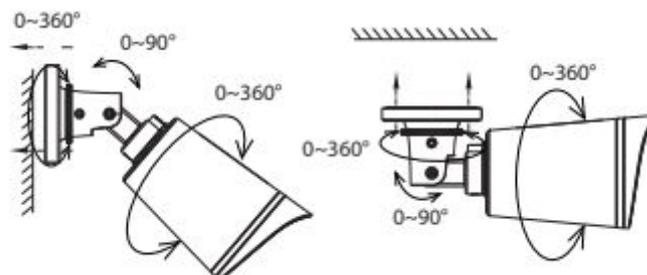
Scan the QR code below to download and install the Foscam APP.



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

## 1.7 Installation

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



Point the camera at the desired location and use the screws provided to mount it.

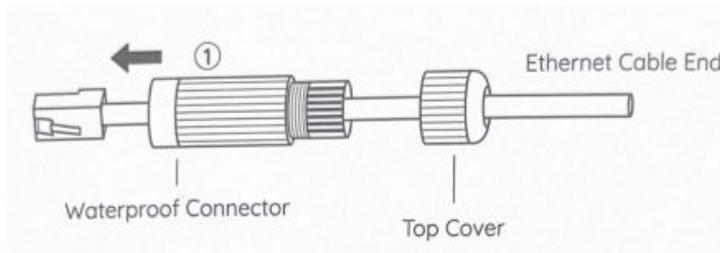
**Please Note:**

Ensure that rain or water will not reach the connector ports at the end of the pig tail wiring. These connectors are not weather-resistant.

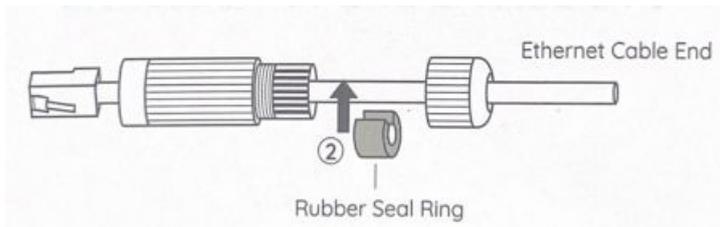
## 1.8 Waterproof Lid Installation Guide

When mounting your PoE camera outdoors, you are suggested to install the waterproof lid for it. You may follow the steps for installation.

1. Thread the Ethernet cable through the top cover and then the waterproof connector.

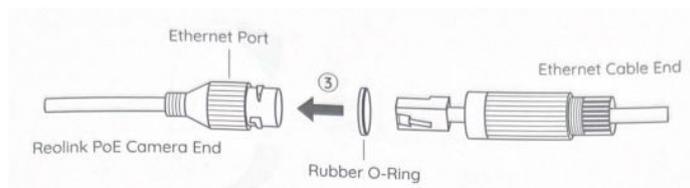


2. Put the rubber seal ring around the Ethernet cable between the top cover and the waterproof connector.

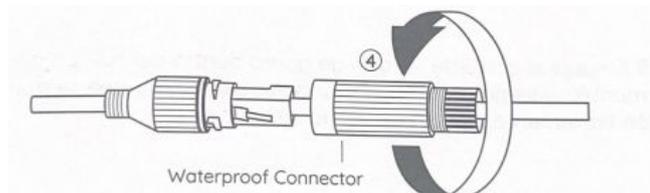


Note: The rubber seal ring provided has been cut. If not, you may manually cut it.

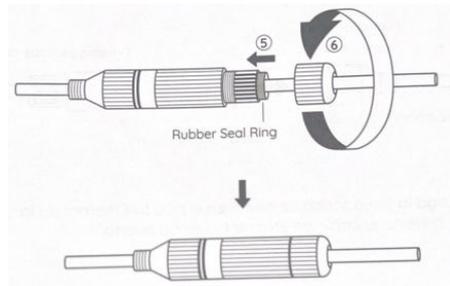
3. Put on the rubber O-ring to the Ethernet port of the camera and plug the Ethernet cable into the Ethernet port.



4. Align the waterproof connector with the Ethernet port, then twist it clockwise to tighten the two parts.



5. Push the rubber seal ring into the waterproof connector, then screw the top cover and lock it into position firmly to finish installation.



## 2 Default Parameters

### Default network parameters

IP address: obtain dynamically

Subnet mask: obtain dynamically

Gateway: obtain dynamically

## 3 Specification

ITEMS		G2 V3 / FI9902P V3 / FI9912P V3
<b>Image Sensor</b>	Sensor Type	High Definition Color CMOS Sensor
	Display Resolution	2.0Megapixels(1920 x 1080)
	Min. Illumination	0 Lux (With IR Illuminator)
<b>Lens</b>	Lens Type	f.2.8mm; F1.6
	Angle of view	Diagonal: 110.8°, Horizontal: 96°, Vertical: 52.56°
<b>Video</b>	Image Compression	H.264
	Resolution	1080P(1920x1080), 720P(1280 x 720), VGA(640 x 480), QVGA(320 x 240)
	Stream	Dual stream
	Image Adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable
	Flip Image	Flip and mirror
	Infrared Mode	Automatic or manual
	Night Visibility	With 30pcs IR-LED, Night Vision Range up to 20m
<b>Audio</b>	Input/Output	External RCA interface for Full Duplex two-way audio
<b>Network</b>	Ethernet	One 10/100Mbps RJ45 port
	Wireless Standard	IEEE802.11b/g/n
	Data Rate	IEEE802.11b: 11Mbps(Max.); IEEE802.11g: 54Mbps(Max.); IEEE802.11n: 150Mbps(Max.).
	Wireless Security	WPA, WPA2
	Remote Access	P2P

	Network Protocol	IP, TCP, UDP, SMTP, FTP, RTSP, DHCP
<b>System Requirements</b>	Operating System	Microsoft Windows (Foscam VMS), MacOS (Foscam VMS), Android (Foscam app), iOS (Foscam app)
<b>Other Features</b>	Motion 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
	User Accounts	Three levels user role
	WDR	Improve image clarity in complex scenario
	Zoom	6X digital zoom function
	Storage	Support max. 256GB Micro SD card, local and FTP storage, Foscam cloud storage
	Intelligent Assistant	Supports Alexa, Google Assistant
<b>Power</b>	Power Supply	DC 12V/1.0A
	Power Consumption	6 Watts (Max.)
<b>Physical</b>	Dimension(LxWxH)	97(L)x67 (W)x64 (H)
	Net Weight	375g
<b>Environment</b>	Waterproof	IP66
	Operating Temperature	-20°C~ 60°C (-4°F ~ 140°F)
	Operating Humidity	10% ~ 80% non-condensing
	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
<b>Certification</b>	FCC, CE, RoHS, WEEE, IP66	

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