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FidgetGear ESCAM QF508

FidgetGear ESCAM QF508 HD 1080P Wireless WiFi IP Camera User Manual

Model: ESCAM QF508 | Brand: FidgetGear

1. Product Overview

The FidgetGear ESCAM QF508 is a high-definition 1080P wireless IP camera designed for both indoor and outdoor security surveillance. It features WiFi connectivity, infrared night vision, and motion detection capabilities, providing comprehensive monitoring for your property.



Figure 1: Front view of the FidgetGear ESCAM QF508 IP Camera, showing the lens, IR LEDs, and antenna.

2. Package Contents

Verify that all items are present in the package:

- 1x ESCAM QF508 IP Camera
- 1x Power Adapter (DC12V 1A)
- 1x Waterproof Hat
- 1x Screws (for mounting)
- 1x User Manual (this document)

3. Setup

3.1 Physical Installation

1. Choose a suitable location for the camera. The camera is IP66 waterproof, making it suitable for outdoor use.
2. Mount the camera securely using the provided screws. Ensure the camera has a clear field of view.
3. If installing outdoors, use the waterproof hat to protect the cable connections from moisture.

3.2 Power Connection

Connect the provided DC12V 1A power adapter to the camera's power input and then plug it into a power outlet. The camera will power on automatically.

3.3 Network Connection

The camera supports both Wireless (WiFi) and Wired (Ethernet) connections.

3.3.1 WiFi Connection

1. Ensure your WiFi network is 2.4G band (802.11b/g/n compatible).
2. Download the appropriate client application for your device (iPhone, iPad, Android, or Windows PC). Refer to the manufacturer's website for download links.
3. Follow the in-app instructions to add the camera to your WiFi network. This typically involves scanning a QR code on the camera or connecting to the camera's temporary AP mode WiFi network.



Figure 2: Illustration of WiFi connection setup for the camera.

3.3.2 AP Mode Connection

The camera supports AP (Access Point) mode, allowing direct connection to a smartphone without a router for initial setup or local access.

1. Power on the camera.
2. On your smartphone, search for available WiFi networks and connect to the camera's AP mode network (SSID usually starts with 'IPCAM' or similar).
3. Open the client application and add the camera.



Figure 3: Connecting to the camera via AP mode using a smartphone.

3.3.3 Wired Ethernet Connection

Connect an RJ-45 Ethernet cable from your router or network switch to the camera's Ethernet port. The camera will automatically obtain an IP address via DHCP.

4. Operating Instructions

4.1 Live View and Recording

Once connected, open the client application on your device to view the live feed. You can initiate manual recordings or configure continuous recording to a Micro SD card.

4.2 Motion Detection

The camera supports motion detection. When motion is detected, the camera can trigger an alarm, send email notifications, or push alerts to your mobile application.

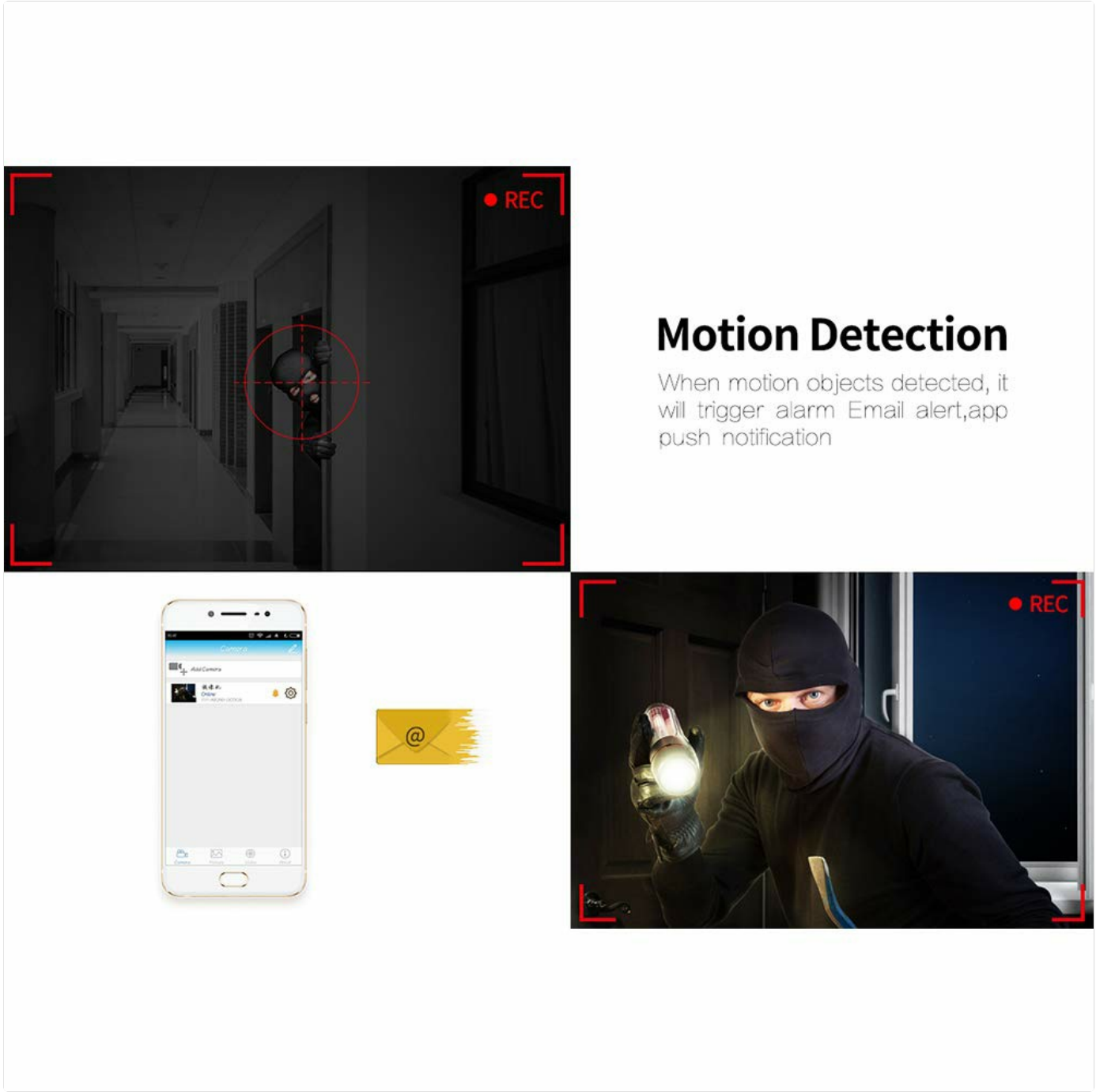


Figure 4: Visual representation of the motion detection feature in action.

4.3 Night Vision and Illumination

The camera is equipped with 2 IR LEDs for standard night vision (up to 15m) and 2 White LEDs for full-color night vision. The camera can automatically switch between day and night modes.



Figure 5: The camera's night vision capability, showing clear images in low light conditions.

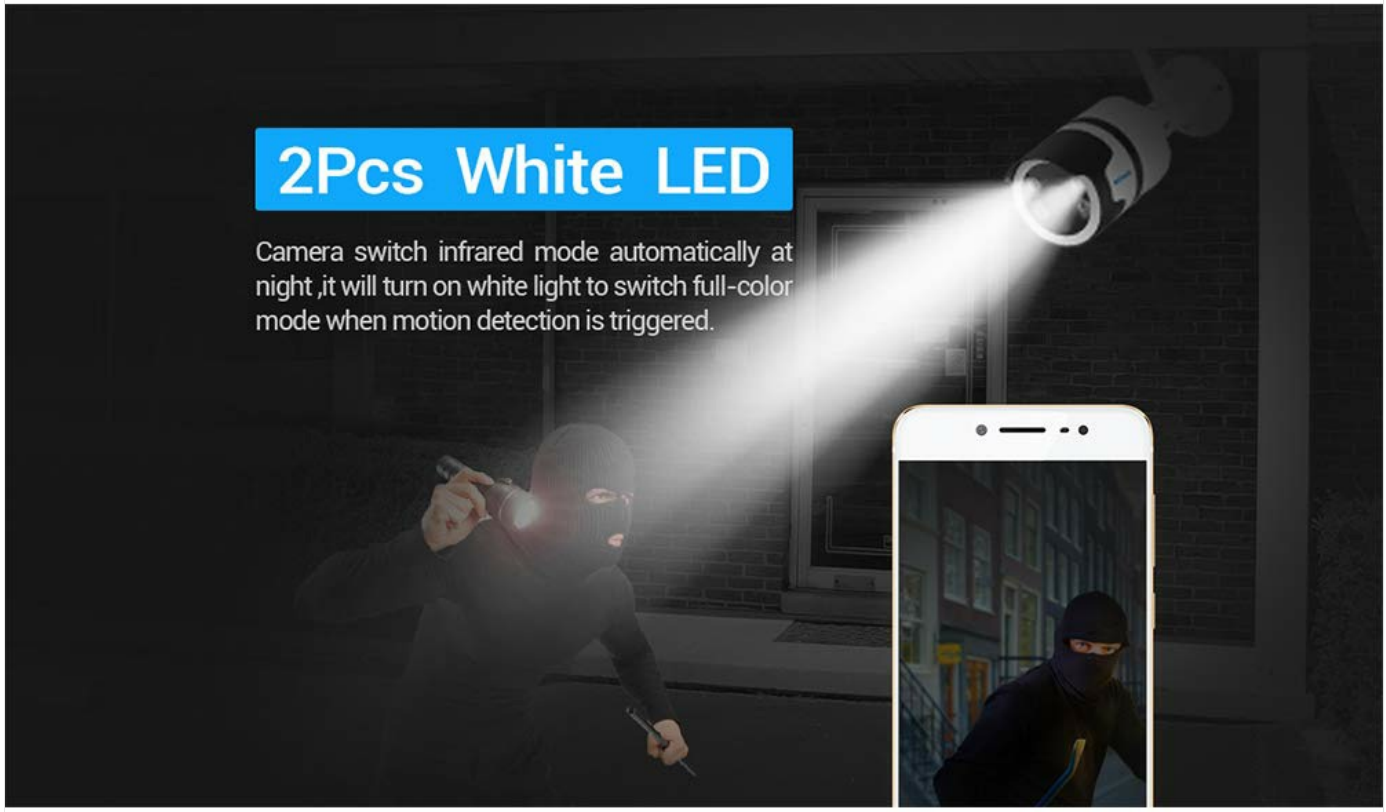


Figure 6: The camera utilizing its white LEDs for enhanced illumination and full-color night vision.

4.4 Two-Way Audio

With a built-in microphone and speaker, the camera supports two-way audio communication, allowing you to listen and speak through the camera via the client application.

4.5 Local Storage

The camera supports a Micro SD (TF) card up to 128GB for local video storage. Ensure the card is inserted correctly before powering on the camera.



Figure 7: Overview of key features including White LED, HD1080P, Motion Detection, Audio, AP mode, IP66, APP support, and Day/Night functionality.

5. Maintenance

5.1 Cleaning

Periodically clean the camera lens and housing with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the lens or finish.

5.2 Scheduled Reboot

The camera supports scheduled reboots. Configuring a regular reboot schedule can help maintain optimal performance and stability.

5.3 Firmware Updates

Check the manufacturer's website regularly for firmware updates. Keeping your camera's firmware updated ensures access to the latest features and security enhancements.

6. Troubleshooting

- **No Power:** Ensure the power adapter is securely connected to both the camera and a working power outlet. Verify the power adapter is functioning correctly.
- **No Network Connection:**
  - For WiFi: Check if the camera is within range of your 2.4G WiFi router. Verify the WiFi password entered in the app is correct.
  - For Ethernet: Ensure the Ethernet cable is properly connected to both the camera and the router/switch. Check router settings for IP address assignment.
- **Poor Image Quality:** Clean the camera lens. Ensure there is adequate lighting. Check network bandwidth if streaming is choppy. Adjust video settings (brightness, saturability, chromacity) in the app.
- **Motion Detection Not Working:** Verify motion detection is enabled in the app settings. Adjust sensitivity levels. Ensure notification settings (email, app push) are correctly configured.
- **Micro SD Card Not Recording:** Ensure the Micro SD card is inserted correctly and is not full. Format the card through the camera's settings in the app if issues persist. The camera supports up to 128GB.

7. Specifications

Feature	Specification
Sensor	1/2.7” 2 Megapixel progressive CMOS
Resolution	Mainstream: 1080P(1920*1080), 960P(1280*960), 720P(1280*720) Substream: D1(704*576), 360P(640*360), CIF(352*288)
Video Compression	H.264/H.265
Audio Compression	G.711A
Focal Length	3.6mm
Angle of View	75.7°
Minimum Illumination	Color 0.1Lux@F1.2, B/W
Night Vision	2pcs IR LEDs (15m IR distance), 2pcs 1W White LEDs (Full-color night vision)
Wireless Connectivity	WiFi 802.11b/g/n, 2.4G band; AP mode support

Feature	Specification
Wired Connectivity	RJ-45 (10/100Base-T) Ethernet
Storage	Supports max 128GB Micro SD (TF) card
Audio	Built-in microphone and speaker (Two-way audio)
Power Supply	DC12V 1A
Power Consumption	<6W
Dimensions	195mm * 65mm * 65mm
Weight	0.36kg
Operating Environment	Indoor and Outdoor (IP66 waterproof)
Supported Clients	iPhone, iPad, Android, Windows PC
Network Protocols	HTTP, TCP/IP, UPNP, RTSP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP
Access Protocol	ONVIF 2.4
Other Features	3D Noise Reduction, Auto White Balance, D-WDR, BLC, 4 Privacy Zones, OSD Setting, Motion Detection, Schedule Reboot

8. Warranty Information

Specific warranty details for the FidgetGear ESCAM QF508 IP Camera are not provided within this manual. Please refer to the product packaging, the retailer's return policy, or the manufacturer's official website for comprehensive warranty terms and conditions.

9. Support

For technical assistance, troubleshooting beyond this manual, or further inquiries, please visit the FidgetGear official website or contact their customer support channels. Contact information is typically available on the product packaging or the manufacturer's website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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