User Manual

Outdoor IP Security Camera

Model: D4Z VZ4

V3.1

Table of Contents

1 Overview

1.1 Key Features

◆ 4MP QHD 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
◆ Supports 2.4G/5G dual band, IEEE802.11b/g/n/ac
◆ Supports 4x optical zoom
◆ 4pcs IR-LEDs, night vision range up to 20 metres (66ft)
◆ Supports sound detection
◆ Supports WDR(Wide-Dynamic Range)
◆ Supports 256GB Micro SD Card storage(External)
◆ 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, HTTP, HTTPS, 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	● Mounting Template × 1
● Surveillance sign× 1	● Mounting Plate × 1
●Wi-Fi Antenna× 1	● Power Adapter× 1

1.4 Physical Description
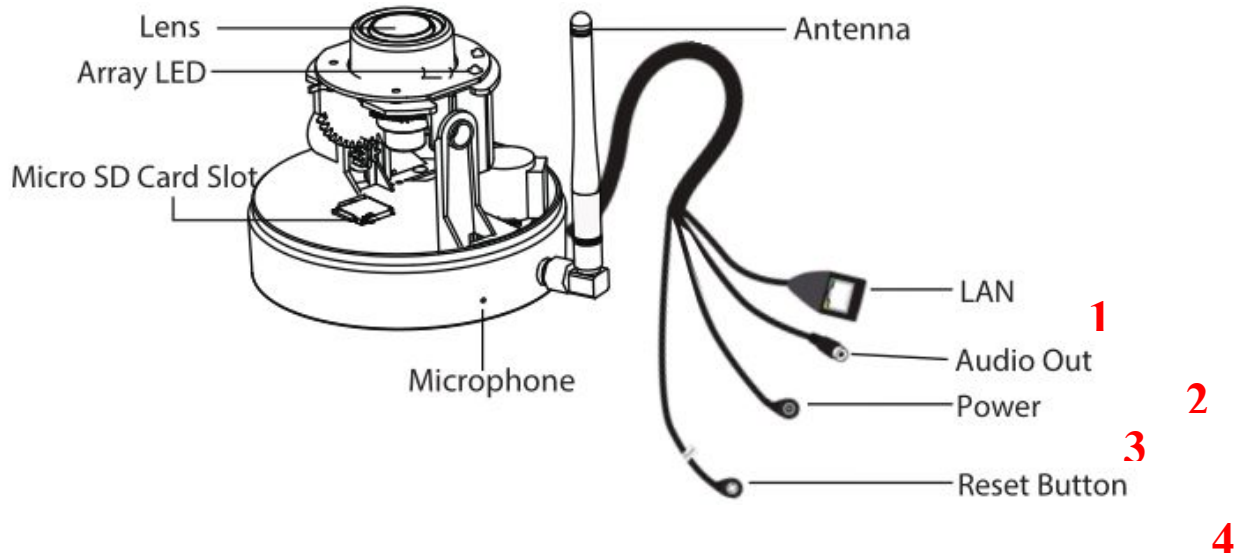
1   LAN

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

2   Audio Output

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.

3   Power Interface

Connect the external power adapter, request for 12V / 2A power.

4   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.

NOTE: There are up to two labels located at the bottom of the camera, this is an important feature of original Foscam cameras. If your camera does not have labels, it may be a clone. Cloned Foscam cameras can not use original firmware and are not eligible for warranty or technical services.

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

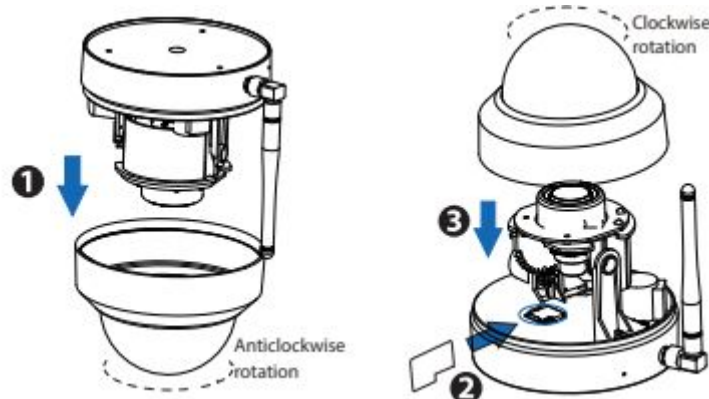Scan the QR code below to download and install the Foscam APP.

Please refer to the *Quick Setup Guide*.

1.7 Installation

Please refer to the *Quick Setup Guide*.

SD Card Installation (Optional)

1. Loosen the cover of the device by rotating it counter-clockwise, and remove the cover.
2. Insert a micro SD into the SD card slot.

3. Fasten the cover by rotating it clockwise. If you don't want to use an SD card for storage, you can choose not to install the SD card (in that case, steps 1-3 can be ignored and you can begin installation with step 4 below).
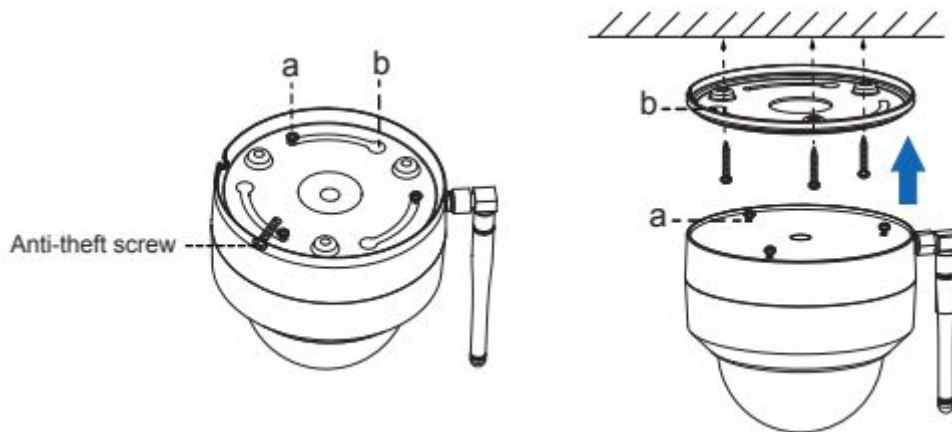
Camera Mounting

4. Install the mounting plate in the area to be monitored.
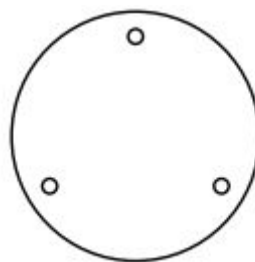
Note: for the best visuals, we suggest mounting the camera in a position that is at least 30cm (11.8in) away from the left and right walls.
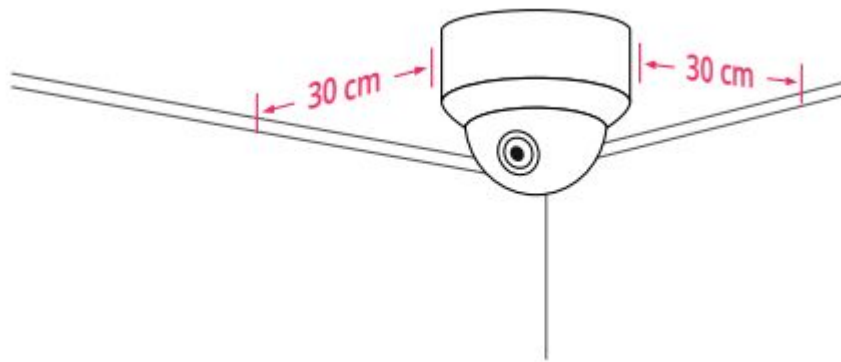
5. Loosen the anti-theft screw on the mounting plate, and then rotate it counter-clockwise until points a and b are aligned. This allows for the mounting plate to be removed.

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

7. Align points a and b to insert the camera base into the mounting plate. Rotate so that points a and b are no Longer aligned: this attaches the camera securely to the base. After installing the camera on the mounting plate, then tighten the screw on the mounting plate to prevent theft.


8. Wiring
   a. Pass the wire out from the gap of the mounting plate.
   b. Connect the camera to your LAN (Local Area Network or Internet router) via Ethernet cable.
   c. Power on the device.

9. Control the angle of the lens in the Foscam app.

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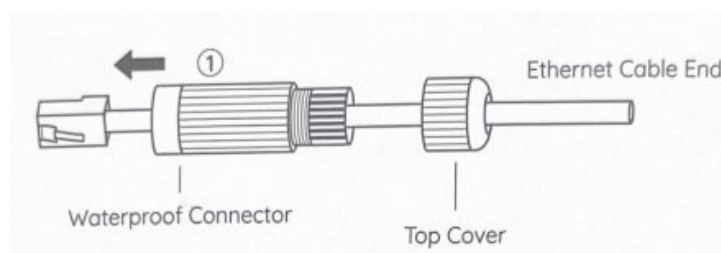
2. Put the rubber seal ring around the Ethernet cable between the top cover and the waterproof connector.

Ethernet Cable End
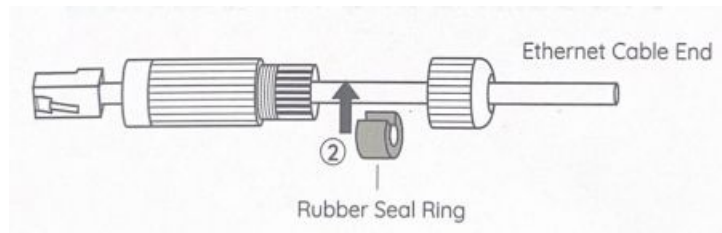
Rubber Seal Ring

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.

Ethernet Port

Ethernet Cable End

PoE Camera End

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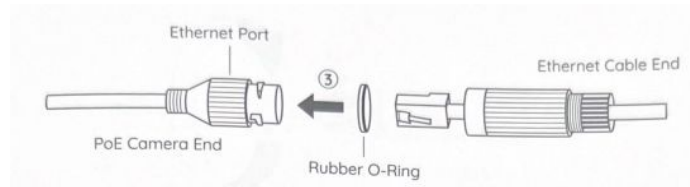
4. Align the waterproof connector with the Ethernet port, then twist it clockwise to tighten the two parts.

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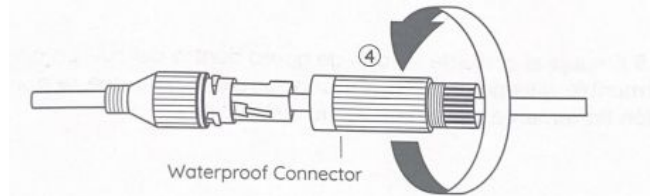
5. Push the rubber seal ring into the waterproof connector, then screw the top cover and lock it into position firmly to finish installation.

Rubber Seal Ring
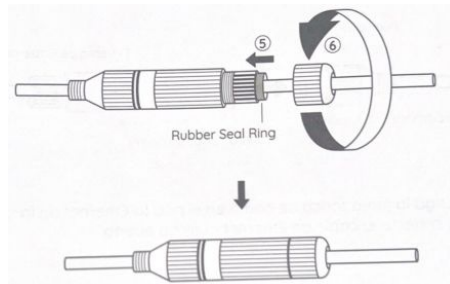
2 Default Parameters

Default network parameters
IP address: obtain dynamically
Subnet mask: obtain dynamically
Gateway: obtain dynamically

3 Specification

	ITEMS	D4Z V4 / V4Z V4
Image Sensor	Sensor Type	High Definition Color CMOS Sensor
	Display Resolution	4.0Megapixels(2560*1440)
	Min. Illumination	0 Lux (With IR Illuminator)
Lens	Lens Type	f.2.8-12mm; F1.4-2.8
	Angle of view	Diagonal: 42.6°- 90.5°, Horizontal:37.5°- 77.7°, Vertical:21.2°-43.4°
Video	Image Compression	H.264
	Image Frame Rate	Max 20fps(2K),downward adjustable
	Resolution	4MP(2560*1440) 20fps, 3MP(2304x1296)25fps, 1080P(1920x1080) 25fps, 720P(1280 x 720), VGA(640 x 480)
	Stream	Dual stream
	Image Adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable
	Flip Image	Flip and mirror
	Infrared Mode	Automatic and manual
	Pan/Tilt Angle	Pan:350° / Tilt:60°
	Night Visibility	2pcs IR-LEDs, night vision range up to 20 metres
Audio	Input/Output	Supports two-way audio, External 3.5mm standard interface for two-way audio
	Audio Compression	PCM/AAC
Network	Ethernet	One 10/100Mbps RJ45 port
	Wireless Standard	2.4G/5G dual band, 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
	Network Protocol	IP, TCP, UDP, HTTP, HTTPS, SMTP, FTP, DHCP, RTSP
System Requirements	Operating System	Microsoft Windows (Foscam VMS), MacOS (Foscam VMS), Android (Foscam app), iOS (Foscam app)
Other Features	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

	Zoom	4X optical zoom function
	WDR	Improve image clarity in complex scenario
	Storage	Support max. 256GB Micro SD card, local and FTP storage,Foscam cloud storage
	User Accounts	Three levels user role
	Intelligent Assistant	Supports Alexa, Google Assistant
Power	Power Supply	DC 12V/2.0A
	Power Consumption	20 Watts (Max.)
Physical	Dimension(LxWxH)	108x108x102
	Net Weight	518g
Environment	Waterproof	IP66
	Operating Temperature	-20°C ~ 50° (-4°F ~ 122°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temperature	-20°C ~ 50° (-4°F ~ 122°F)
	Storage Humidity	0% ~ 90% non-condensing
Certification	FCC, CE, RoHS, IP66	

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