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› Dahua Picoo F1 4G 4MP Surveillance Camera User Manual

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Dahua Picoo F1 4G 4MP Surveillance Camera User Manual

Model: DH-SD-P4FP-PV-4G-0400B-PRO-EUR

1. INTRODUCTION

The Dahua Picoo F1 4G 4MP surveillance camera provides a comprehensive security solution for various applications. This camera features 4-megapixel resolution (2560 x 1440), offering high-quality imaging. Its wide pan range of 0° to 345° and tilt range of 0° to 90° allow for extensive coverage and precise monitoring of your environment. Equipped with 4G/LTE connectivity, it ensures reliable remote access and real-time surveillance.

Key features include:

- 4 MP Resolution (2560 x 1440)
- 4G / LTE Connectivity
- Pan Range: 0° - 345°, Tilt Range: 0° - 90°
- Night Vision up to 30 meters with WIZ-Color technology
- AI-assisted detection of people and vehicles
- Two-way audio for direct communication
- Automatic tracking of moving objects (smart tracking)
- IP66 Weatherproof Rating for outdoor use

2. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact your retailer.

- Dahua Picoo F1 4G 4MP Surveillance Camera
- Power Adapter (DC 12V 1A)
- Mounting Template
- Mounting Screws and Wall Plugs
- Quick Start Guide

3. PRODUCT OVERVIEW

Familiarize yourself with the camera's components.



Figure 3.1: Front view of the camera, showing the lens, IR LEDs, and two external antennas.



Figure 3.2: Rear view of the camera, highlighting the integrated wall mounting bracket.



Figure 3.3: Front view of the camera with its integrated white light illuminators active, demonstrating WIZ-Color night vision capability.

4. SETUP

4.1 SIM Card and Micro SD Card Installation

1. Locate the SIM card slot and Micro SD card slot, usually protected by a rubber cover on the camera body.
2. Carefully open the cover.
3. Insert a 4G/LTE SIM card into the designated slot. Ensure it is correctly oriented.
4. Insert a Micro SD card (up to 256 GB) into its slot for local storage.
5. Close the cover securely to maintain the IP66 weatherproof rating.

Note: The camera requires a 4G/LTE SIM card for cellular connectivity. Ensure the SIM card has an active data plan.

4.2 Mounting the Camera

The camera is designed for wall mounting. Choose a location that provides the desired viewing angle and is within reach of a power source.

1. Use the provided mounting template to mark the drill holes on the wall.
2. Drill holes at the marked positions.
3. Insert wall plugs into the drilled holes.
4. Align the camera's mounting bracket with the holes and secure it using the provided screws.
5. Adjust the camera's angle as needed after mounting.



Figure 4.1: Example of the camera mounted on an exterior wall, demonstrating its weatherproof design.

4.3 Power Connection

Connect the provided DC 12V 1A power adapter to the camera's power input port and then plug it into a power outlet. The camera will power on automatically.

4.4 App Installation and Pairing

1. Download the official Dahua surveillance application (e.g., DMSS) from your smartphone's app store (iOS App Store or Google Play Store).
2. Create an account and log in.
3. Tap the '+' icon to add a new device.
4. Select 'Scan QR Code' and scan the QR code located on the camera or its packaging.
5. Follow the on-screen instructions to complete the pairing process. This may involve Bluetooth pairing for initial setup.
6. Once paired, you can access the live view and configure camera settings.

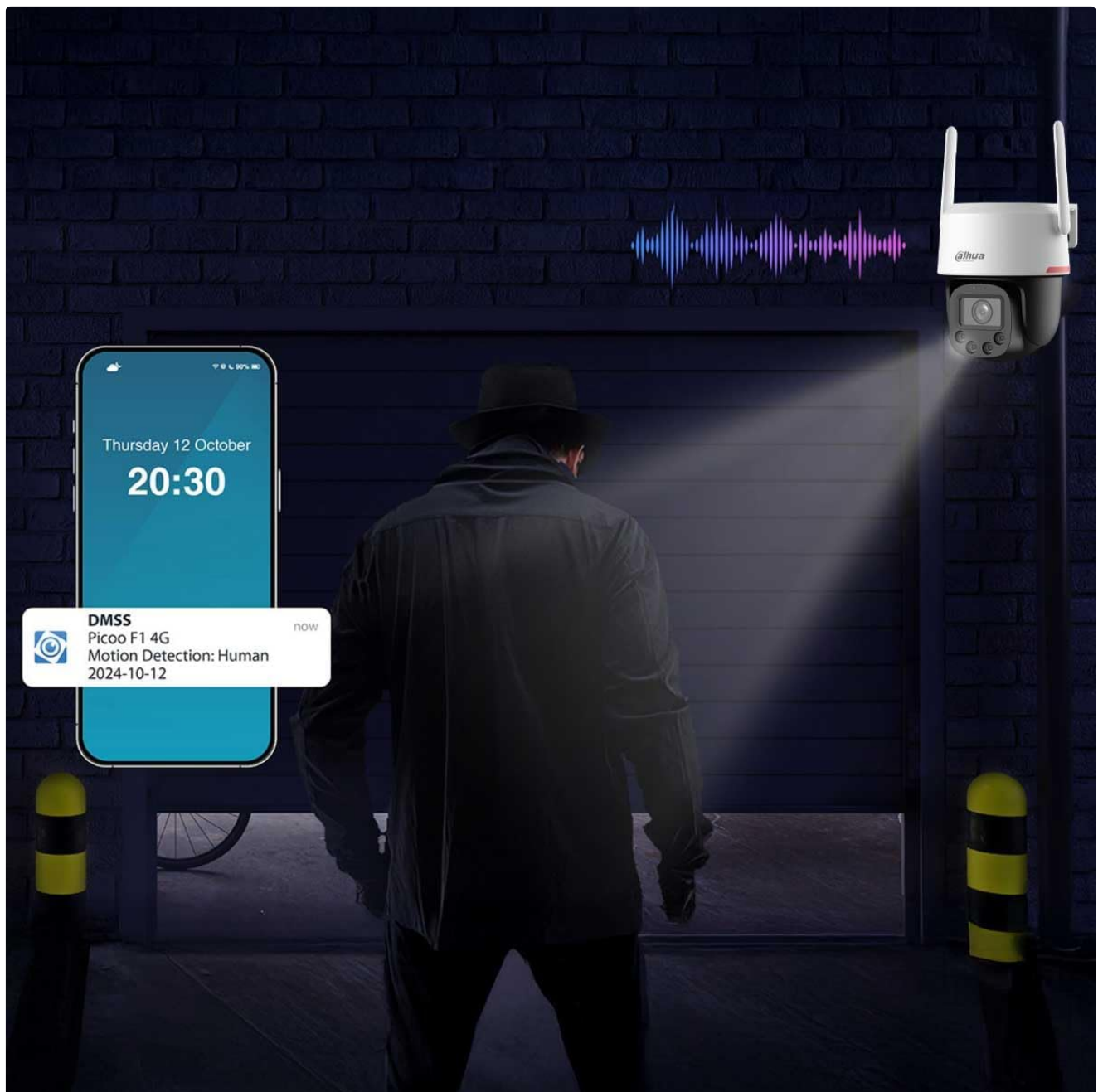


Figure 4.2: Example of a motion detection notification received via the DMSS application.

5. OPERATING INSTRUCTIONS

5.1 Live View and Pan/Tilt Control

- Open the Dahua app and select your camera from the device list.
- The live video feed will appear.
- Use the on-screen controls to pan (rotate horizontally) and tilt (rotate vertically) the camera lens to adjust the viewing area.

5.2 Two-Way Audio

- In the live view interface, tap the microphone icon to speak through the camera's speaker.
- Tap the speaker icon to listen to audio from the camera's microphone.

5.3 Recording and Playback

- Recordings are automatically saved to the inserted Micro SD card or cloud storage (if subscribed).
- To view recorded footage, navigate to the 'Playback' section within the app.
- Select the desired date and time to review events.

5.4 AI Detection and Smart Tracking

- Access the camera settings in the app to configure AI detection for people and vehicles.
- Enable 'Smart Tracking' to allow the camera to automatically follow detected moving objects within its field of view.
- Adjust sensitivity and detection zones as needed.

5.5 Night Vision

- The camera automatically switches to night vision mode in low-light conditions.
- WIZ-Color technology provides full-color night vision up to 30 meters using integrated white light illuminators.
- Infrared (IR) LEDs also provide black and white night vision.

6. MAINTENANCE

6.1 Cleaning the Camera

- Ensure the camera is powered off before cleaning.
- Use a soft, dry cloth to wipe the camera body.
- For the lens, use a lens cleaning cloth and a specialized lens cleaning solution to avoid scratches.
- Do not use harsh chemicals or abrasive cleaners.

6.2 Firmware Updates

- Regularly check for firmware updates through the Dahua app.
- Firmware updates can improve performance, add new features, and enhance security.
- Follow the app's instructions carefully during the update process. Do not power off the camera during an update.

6.3 Micro SD Card Management

- Periodically check the status of the Micro SD card in the app.
- Format the Micro SD card regularly (e.g., every few months) to maintain optimal recording performance. This will erase all stored data.
- Replace the Micro SD card if it shows signs of degradation or error.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on	No power, faulty adapter, loose connection.	Check power outlet, ensure adapter is securely connected, try a different outlet.

Problem	Possible Cause	Solution
No 4G/LTE connection	SIM card not inserted correctly, no data plan, poor signal, incorrect APN settings.	Reinsert SIM card, verify data plan, check signal strength in the app, configure APN settings if necessary (refer to your mobile carrier).
Cannot connect to the app	Incorrect pairing, network issues, app malfunction.	Ensure camera is powered on and has network access. Restart the app. Try re-pairing the camera. Check your phone's internet connection.
Poor video quality	Dirty lens, low bandwidth, camera resolution settings.	Clean the camera lens. Ensure sufficient 4G/LTE bandwidth. Check video resolution settings in the app.
Motion detection not working	Detection settings disabled, incorrect sensitivity, detection zone not set.	Verify motion detection is enabled in the app. Adjust sensitivity. Define detection zones.

8. SPECIFICATIONS

Feature	Detail
Model Number	DH-SD-P4FP-PV-4G-0400B-PRO-EUR
Image Sensor	1/1.8" CMOS
Resolution	4 MP (2560 x 1440)
Connectivity	4G / LTE, RJ-45 (10/100 Base-T), Wi-Fi, Bluetooth
Pan/Tilt Range	Pan: 0° - 345°, Tilt: 0° - 90°
Night Vision	Up to 30 meters with WIZ-Color technology (full-color) and IR LEDs
Audio	Two-way audio
AI Features	People and vehicle detection, Smart Tracking
Storage	Micro SD card (up to 256 GB)
Power Supply	DC 12V 1A
Weatherproof Rating	IP66
Dimensions	12.9 x 15.3 x 13.1 cm
Weight	1 Grams
Video Encoding	Smart H.265+; H.264M; H.264H; Smart H.264+; H.265; H.264B; MJPEG
Frame Rate	Up to 25/30 fps
Alert Type	Integrated sound and light alarm function

9. SAFETY INFORMATION

- Read all instructions before operating the device.
- Use only the power adapter provided by the manufacturer.
- Do not expose the camera to extreme temperatures, humidity, or corrosive environments.
- Ensure the camera is securely mounted to prevent falling.
- Keep the camera away from direct sunlight for prolonged periods to avoid overheating.
- Do not attempt to disassemble or modify the camera. This will void the warranty.
- Dispose of electronic waste responsibly according to local regulations.