

Jennov DS1-P29HT20-3-FAS-32

Jennov PTZ Outdoor Wi-Fi Security Camera

MODEL: DS1-P29HT20-3-FAS-32 USER MANUAL

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Jennov PTZ Outdoor Wi-Fi Security Camera. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. This camera is designed for outdoor surveillance, offering 1080p HD video, pan/tilt/zoom capabilities, night vision, two-way audio, and motion detection.

2. SAFETY PRECAUTIONS

- This camera operates exclusively with **2.4 GHz Wi-Fi networks**. It is not compatible with 5 GHz Wi-Fi.
- Ensure the camera is connected to a stable power source using the provided power cable. Wireless connectivity refers to data transmission, not power supply.
- Avoid using special characters in your Wi-Fi password, as this may cause connection issues.
- Do not expose the camera to extreme temperatures outside its operating range (-40°C to 50°C).
- Handle the camera with care to prevent physical damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Jennov 1080p HD Wi-Fi IP Camera
- 1 x Screw Pack for installation
- 1 x User Manual
- 1 x Cat5 Cable
- 1 x Power Adapter
- 1 x 32GB Micro SD Card (pre-installed)

4. PRODUCT OVERVIEW

The Jennov PTZ Outdoor Wi-Fi Security Camera is a robust surveillance solution featuring 1080p resolution, pan/tilt/zoom functionality, and advanced night vision modes. It includes a pre-installed 32GB SD card for local storage and supports cloud storage options.



Figure 4.1: Jennov PTZ Outdoor Wi-Fi Security Camera with included 32GB Micro SD card. This image displays the camera's main body, dual antennas, and the Micro SD card.

5. SETUP

5.1 Network Connection

The camera supports both 2.4 GHz Wi-Fi and RJ45 wired connections.

- **Wi-Fi Connection:** Ensure your Wi-Fi network is 2.4 GHz. The camera does not support 5 GHz Wi-Fi.

- **Wired Connection:** Connect the camera to your router using the provided Cat5 cable for a stable network connection.

5.2 App Installation

Download the **CamHipro** application on your mobile device (iOS or Android) or use compatible software for Windows (e.g., Blue Iris, iSpy).

5.3 Initial Configuration (AP Mode)

The camera supports AP (Access Point) mode for initial setup without scanning a QR code:

1. Power on the camera.
2. On your mobile phone, connect to the camera's Wi-Fi hotspot (usually named something like 'IPCAM-XXXXXX').
3. Open the CamHipro app.
4. Add the IP security camera via the "LAN search" function within the app.
5. Follow the on-screen prompts to connect the camera to your home Wi-Fi network.

6. OPERATING INSTRUCTIONS

6.1 Pan, Tilt, and Zoom (PTZ) Control

The camera offers a 355° horizontal pan and 90° vertical tilt, along with 4X digital zoom, allowing you to adjust the viewing angle remotely via the app.



Figure 6.1: Illustration of the camera's 355° pan and 90° tilt capabilities, along with 4X digital zoom. The image shows a wide outdoor scene with children playing, demonstrating the camera's field of view and zoom function.

6.2 Night Vision Modes

The camera features 8 built-in white LEDs and 8 infrared LEDs, supporting three night vision modes:

- **Infrared Mode:** Provides clear black and white images in low light.
- **Full-Color Mode:** Utilizes white LEDs to capture full-color images at night.
- **Smart Mode:** Automatically switches between infrared and full-color based on detected motion.

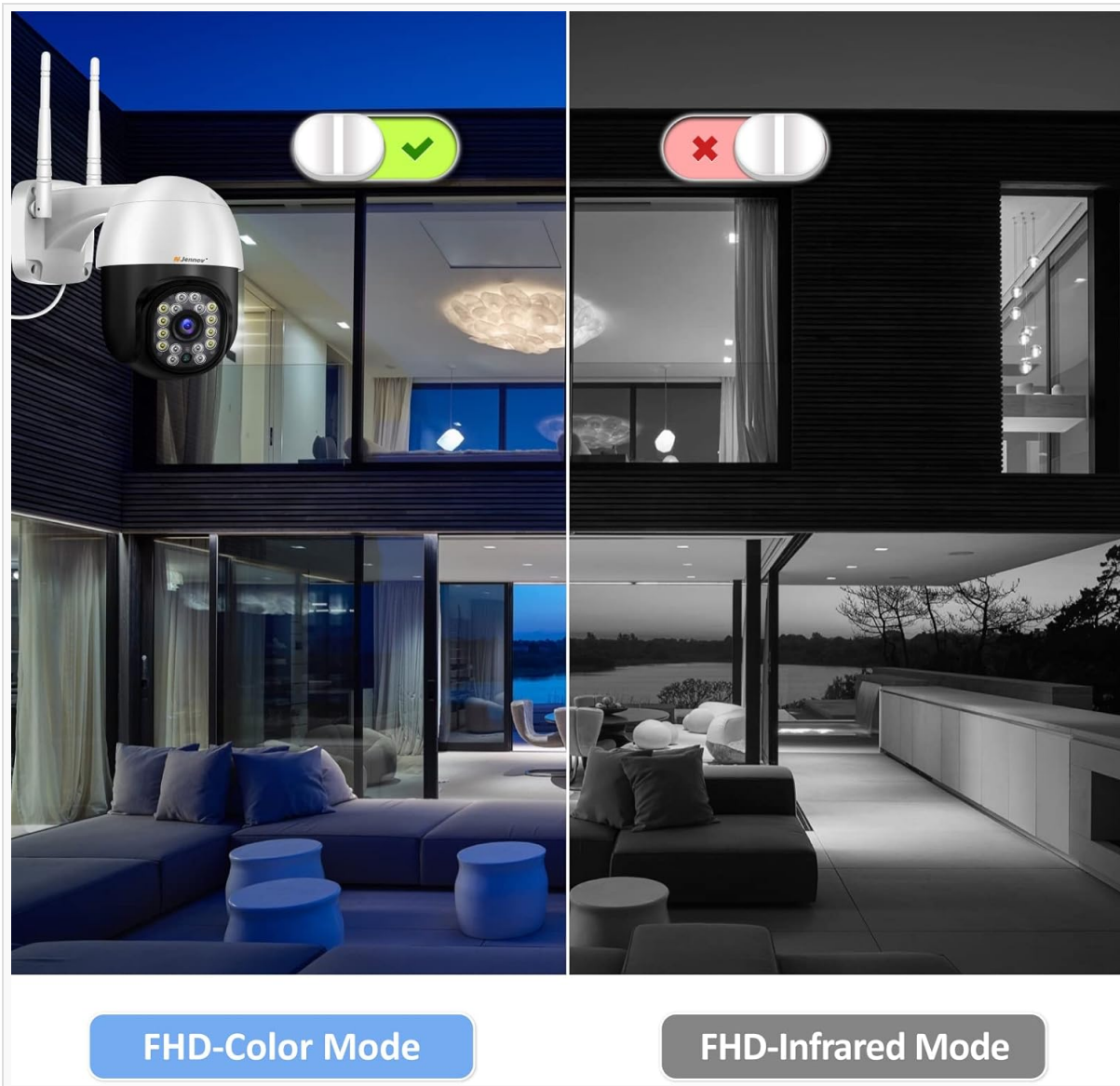


Figure 6.2: Comparison of FHD-Color Mode and FHD-Infrared Mode for night vision. The left side shows a clear, colored night view, while the right side shows a black and white infrared view.

6.3 Motion Detection & Humanoid Detection

The camera can automatically track and detect suspicious objects. It features a humanoid sensor to distinguish human movement from other objects, reducing false alarms.

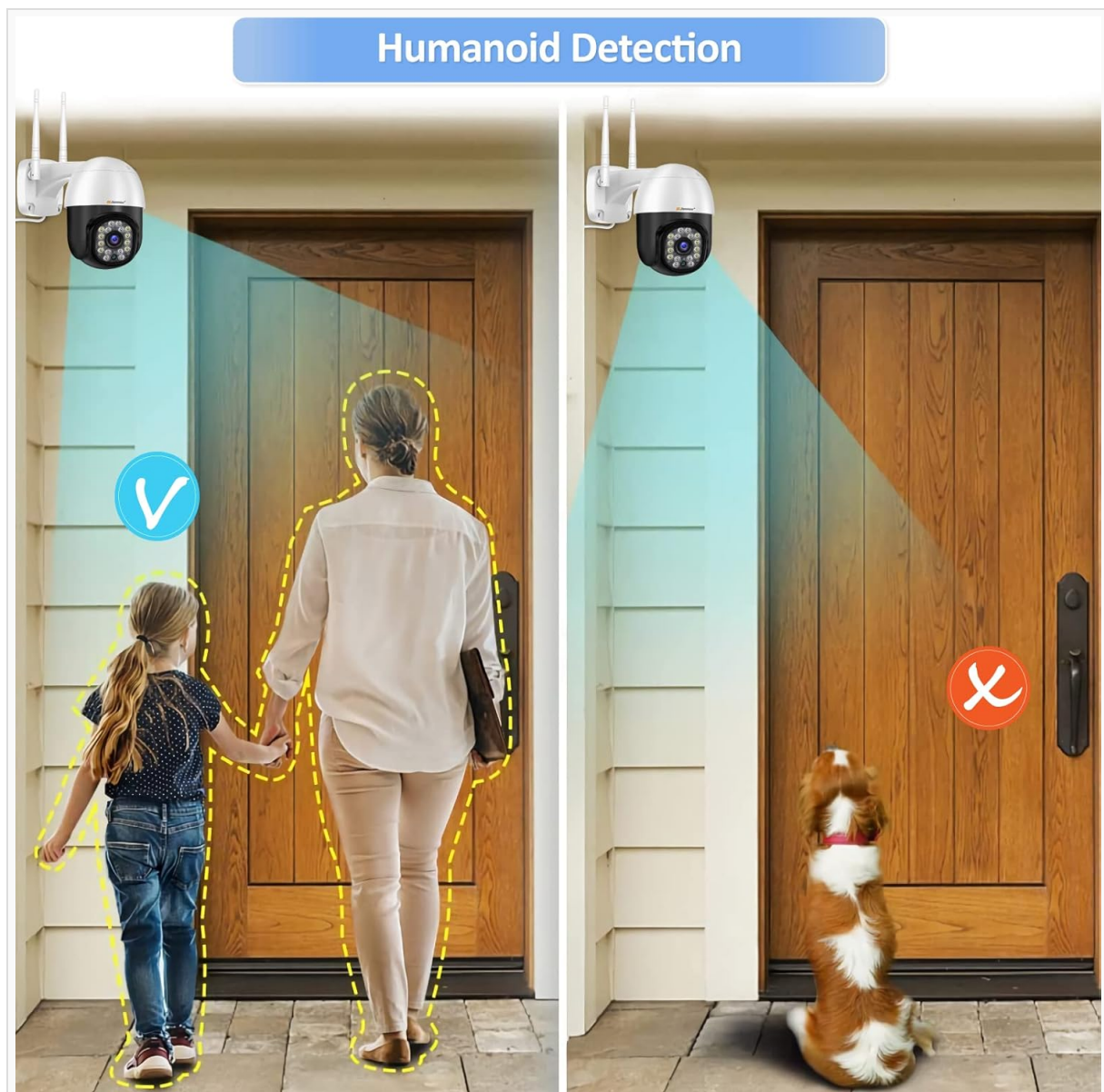


Figure 6.3: Demonstration of Humanoid Detection. The camera accurately identifies a person (left) while ignoring a pet (right), minimizing irrelevant alerts.

When motion is detected, the camera can trigger various alerts:

- **Push Notifications:** Receive instant alerts on your mobile device.
- **Email Alerts:** Configure email notifications with snapshots.
- **FTP Upload:** Automatically upload alarm videos to an FTP server.
- **Acoustic Alarm:** Activate an audible alarm from the camera to deter intruders.



Figure 6.4: Intelligent Motion Tracking and Detection features. The image shows the camera detecting movement and sending various alerts such as push notifications, email, FTP, and triggering a buzzer.

6.4 Two-Way Audio

Equipped with high-quality speakers and noise-resistant microphones, the camera enables clear two-way communication through the app. You can speak to visitors or deter unwanted individuals.



Figure 6.5: Multi-User Live View and Two-Way Audio functionality. The image depicts multiple users accessing the live feed and a scenario where a user communicates with a delivery person via the camera's two-way audio.

6.5 Recording & Storage

The camera comes with a pre-installed 32GB Micro SD card for continuous 24-hour recording. It supports up to a 64GB Micro SD card. Older videos are automatically overwritten when the storage is full. The camera uses H.264+ compression for efficient storage.



Figure 6.6: Built-in 32GB SD Card and Cloud Storage support. The image shows the camera with icons representing local SD card storage and cloud storage options, along with a mobile app interface displaying recorded footage.

6.6 Multi-User Access

The Jennov camera supports simultaneous viewing and control by multiple users across various devices, including mobile phones, tablets, and computers.

7. MAINTENANCE

- Regularly clean the camera lens with a soft, dry cloth to ensure clear image quality.
- Ensure the power connection is secure and free from damage.
- Check for firmware updates through the CamHipro app to ensure optimal performance and security.
- The camera is IP66 waterproof, dustproof, and resistant to heat and cold, making it suitable for various outdoor environments.

IP66 Waterproof & Suitable For Various Scenarios

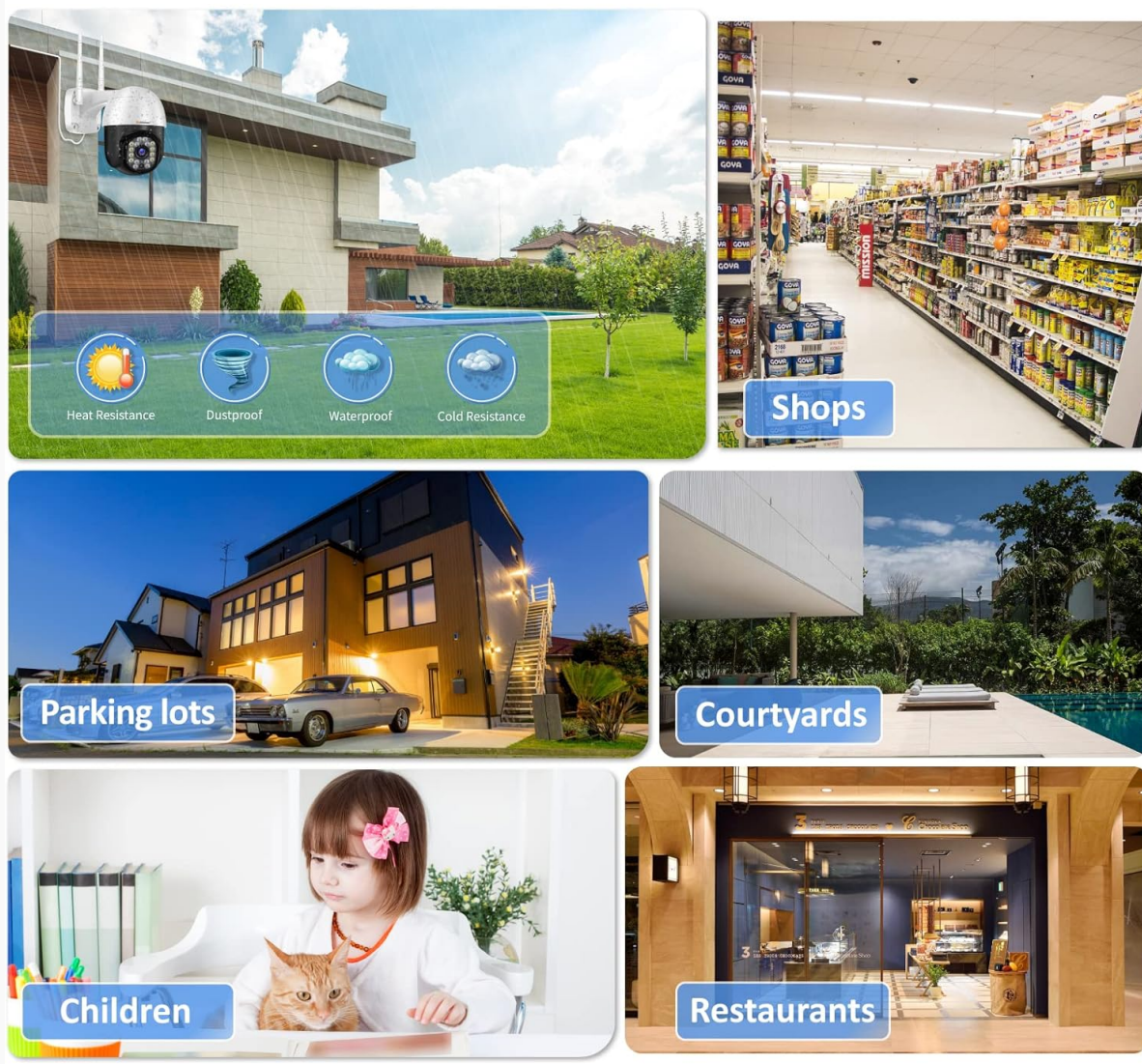


Figure 7.1: IP66 Waterproof rating and suitability for diverse environments. The image shows the camera installed outdoors, highlighting its resistance to heat, dust, water, and cold, and its applicability in various settings like shops, parking lots, courtyards, and homes.

8. TROUBLESHOOTING

- **No Power:** Check the power adapter and cable connections. Ensure the power outlet is functional.
- **Wi-Fi Connection Issues:** Verify your Wi-Fi network is 2.4 GHz. Ensure the Wi-Fi password does not contain special characters. Move the camera closer to the router if the signal is weak.
- **Poor Image Quality:** In the CamHipro app, click the "HD" symbol in the lower right corner of the real-time screen for higher image quality. Clean the camera lens.
- **SD Card Not Recording:** Ensure the SD card is properly inserted. Check if the card is full; older videos are overwritten automatically. Format the SD card via the app if issues persist.
- **PTZ Control Malfunction:** Ensure a stable network connection. If issues persist, restart the camera.

9. SPECIFICATIONS

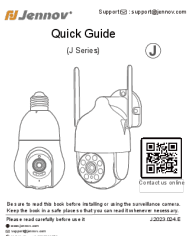


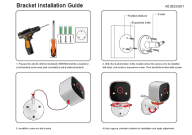

Feature	Specification
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Feature	Specification
Resolution	HD 1920 x 1080p
Video Format	H.264+
Field of View	355° Pan, 90° Tilt
Digital Zoom	4X
Night Vision Range	20 meters
Network Connections	2.4 GHz Wi-Fi, RJ45 Ethernet Port
Storage	Built-in 32GB Micro SD Card (supports up to 64GB), Cloud Storage
Operating Temperature	-40°C ~ 50°C
Power Supply	DC 12V, 2A
Dimensions	20 x 18 x 12 cm
Weight	710 g
Compatibility	Windows, iOS, Android (CamHipro app), Blue Iris, iSpy
Security	AES 128-bit encryption
Weather Resistance	IP66 Waterproof

10. WARRANTY AND SUPPORT

Jennov offers a **12-month quality guarantee and customer support** from the date of purchase. You may return or exchange the product within 30 days without stating reasons.

For technical assistance or warranty claims, please contact Jennov customer support through the official channels provided at the point of purchase or on the Jennov website.

 <p>Support@jennov.com</p> <p>Quick Guide (J Series)</p> <p>Be sure to read this book before handling or using the surveillance camera. Please be sure to read the entire book carefully before use.</p> <p>© 2023 JENNOV</p>	<p>Jennov J Series Quick Guide: Installation, Setup, and Features</p> <p>A concise guide to installing, setting up, and using Jennov J Series surveillance cameras, covering app installation, connection methods, video settings, alarm features, and troubleshooting.</p>
	<p>Jennov C Series Wireless Security Camera Quick Start Guide Installation & Setup</p> <p>This document provides a quick start guide for the Jennov C Series wireless security cameras. It details product features, what's included in the package, installation steps for both the camera and solar panel, connection tips, CloudEdge app setup, frequently asked questions, and warranty information. Designed for home security, these battery-powered WiFi cameras offer features like 2K resolution, IP66 waterproofing, color night vision, two-way talk, and AI human detection with SD/cloud storage options.</p>
 <p>JENNOV</p> <p>JSP2A.001.E B004424</p> <p>Quick Guide J Series Camera</p> <p>support@jennov.com U.S. Hotline: +1 323 902 1978 www.jennov.com (24 Hours Online Service)</p>	<p>Jennov J Series Camera Quick Guide: Setup, Installation, and FAQ</p> <p>A quick guide from Jennov for the J Series Camera, detailing app download and registration, device setup via Bluetooth or QR code, Wi-Fi connection, installation best practices, and common troubleshooting steps. Includes warranty activation information.</p>
 <p>Bracket Installation Guide</p>	<p>Jennov Bracket Installation Guide</p> <p>A concise guide for installing a Jennov camera bracket, covering necessary tools, preparation, and mounting steps.</p>
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