ENSTER NST-IPC7145

ENSTER 5G 5MP PTZ Outdoor WiFi Security Camera User Manual

Model: NST-IPC7145

1. PRODUCT OVERVIEW

The ENSTER 5G 5MP PTZ Outdoor WiFi Security Camera (Model: NST-IPC7145) is designed for robust outdoor surveillance. It features a durable titanium-grade metal casing, dual-band WiFi connectivity (2.4GHz/5GHz), 5-megapixel resolution, Pan-Tilt-Zoom (PTZ) functionality with auto-tracking, two-way audio, and full-color night vision. This camera is built to withstand various environmental conditions, providing reliable security monitoring for homes, offices, and other outdoor areas.

Image 1.1: Front view of the ENSTER 5G 5MP PTZ Outdoor WiFi Security Camera, showcasing its dual antennas and lens array.

2. PACKAGE CONTENTS

Please check the package for the following items:

- ENSTER 5G 5MP PTZ Outdoor WiFi Security Camera

- Power Adapter (12V)
- Instruction Manual
- Network Cable
- Mounting Screws and Wall Plugs

3. KEY FEATURES

- **Dual-Band WiFi Connectivity:** Supports both 2.4GHz and 5GHz networks for stable and flexible wireless connection.
- **5MP High-Resolution Video:** Captures clear and detailed images and video footage.
- **Pan-Tilt-Zoom (PTZ) Functionality:** Offers 355° horizontal rotation and 95° vertical tilt for wide area coverage.
- **Automatic Tracking:** Intelligently detects and follows moving subjects within its field of view.
- **Two-Way Audio:** Built-in microphone and speaker allow for real-time communication.
- **Full-Color Night Vision:** Equipped with Sony Starvis sensor and 4 IR LEDs for clear night vision up to 15 meters, including a color mode.
- **Durable Construction:** Aerospace-grade titanium metal casing with IP66 waterproof and IK10 impact resistance ratings, suitable for extreme temperatures (-40°C to 60°C).
- **Motion Detection & Alerts:** Sends instant mobile alerts upon detecting suspicious movement.
- **Local & Cloud Storage:** Supports up to 256GB SD card storage and secure AES-256bit encrypted cloud storage.

Image 3.1: Illustration of the camera's 355° pan and 95° tilt capabilities, alongside its two-way audio function for communication.
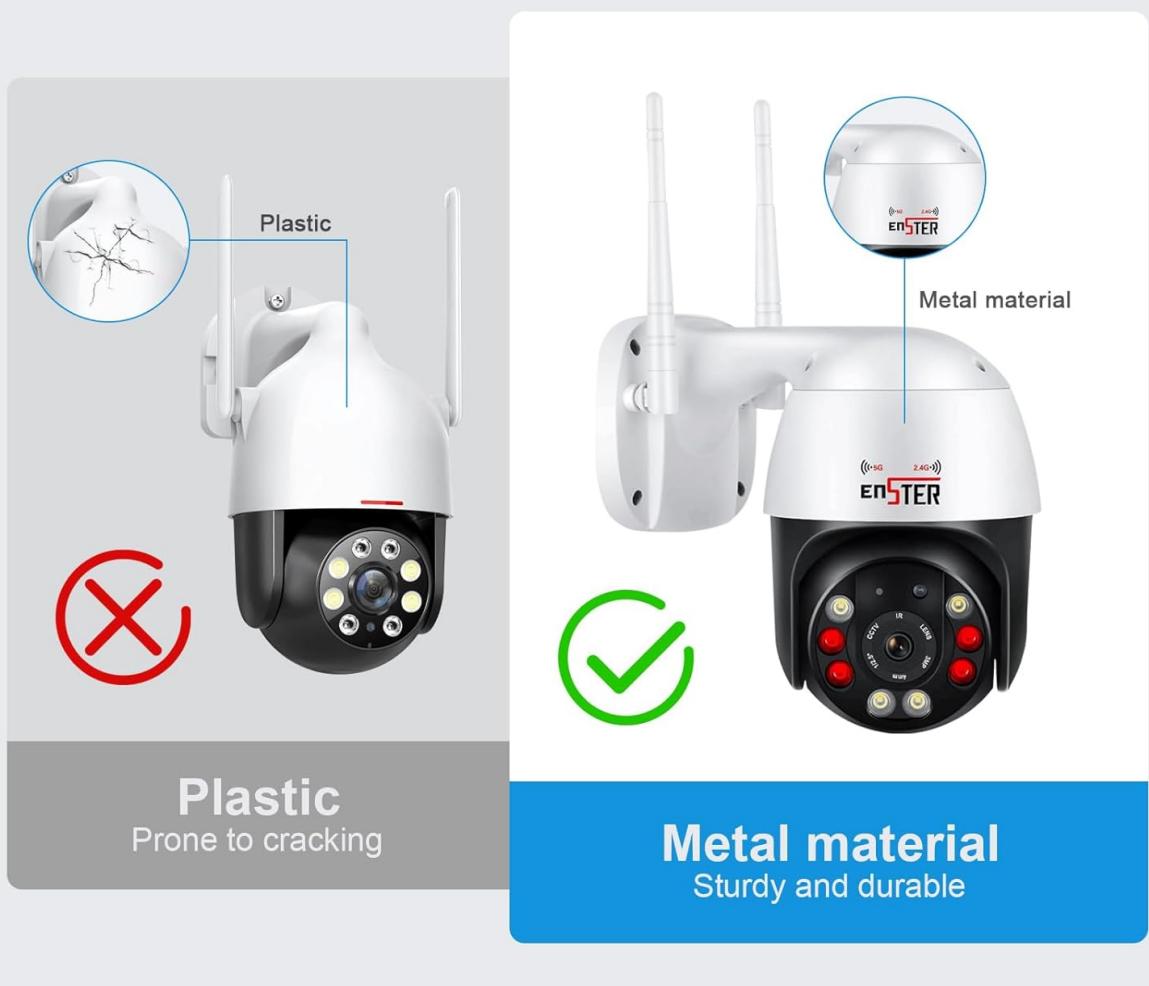
Material comparison

Image 3.2: Comparison highlighting the camera's robust metal material construction versus typical plastic alternatives, emphasizing durability.

Image 3.3: Depiction of the camera's motion detection, mobile alarm push, automatic sound warning, and siren alert features to deter intruders.

Image 3.4: Visual representation of the camera's IP66 waterproof rating and its ability to operate in extreme temperatures ranging from -40°C to 60°C (-40°F to 140°F).

4. SETUP GUIDE

4.1. Mounting the Camera

1. **Choose a Location:** Select a suitable outdoor location for optimal surveillance coverage. Ensure the camera is within range of your WiFi network and a power outlet.
2. **Mark Drill Holes:** Use the mounting template (if provided) or the camera base to mark the positions for drilling on the wall or ceiling.
3. **Drill Holes:** Drill pilot holes at the marked positions. Insert wall plugs if mounting on masonry.
4. **Secure the Camera:** Align the camera base with the drilled holes and secure it using the provided screws.

4.2. Powering On

1. Connect the power adapter to the camera's power input port.
2. Plug the power adapter into a standard electrical outlet.
3. The camera will power on and initiate its self-test sequence.

4.3. Network Connection

The camera supports both wireless (WiFi) and wired (Ethernet) connections.

4.3.1. WiFi Connection

1. **Download the App:** Search for the official ENSTER security camera app on your smartphone's app store (iOS or Android).
2. **Create Account:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add a new device. Select your camera model.
4. **Connect to WiFi:** The app will guide you through connecting the camera to your 2.4GHz or 5GHz WiFi network. Ensure your phone is connected to the same network during setup.
5. **Configuration:** Complete the remaining setup steps, including setting a password for your camera.

4.3.2. Wired Connection (Optional)

1. Connect one end of the provided network cable to the camera's Ethernet port.
2. Connect the other end of the network cable to an available LAN port on your router.
3. Follow the in-app instructions to add the device. The app should automatically detect the camera via the wired connection.

5. OPERATING INSTRUCTIONS

5.1. Live View and PTZ Control

- Open the ENSTER app and select your camera to access the live view.
- Use the on-screen controls to pan (rotate horizontally) and tilt (rotate vertically) the camera lens.
- Digital zoom may be available through pinch-to-zoom gestures on the live view.

5.2. Two-Way Audio

- In the live view, 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. Motion Detection and Alerts

- Access the camera settings in the app to configure motion detection sensitivity and detection zones.
- Enable push notifications to receive instant alerts on your smartphone when motion is detected.
- Configure automatic recording upon motion detection.

5.4. Night Vision Modes

- The camera automatically switches to infrared (IR) night vision in low-light conditions.
- Depending on settings, the camera may activate its white LEDs for full-color night vision when motion is detected or based on a schedule.

5.5. Recording and Playback

- **Local Storage:** Insert a microSD card (up to 256GB, not included) into the camera's card slot for continuous or event-based recording.
- **Cloud Storage:** Subscribe to the ENSTER cloud service for secure, off-site video storage.
- **Playback:** Use the app's playback feature to review recorded footage from either local storage or cloud.

6. MAINTENANCE

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to ensure clear image quality. Do not use harsh chemicals.
- **Firmware Updates:** Check the ENSTER app regularly for available firmware updates. Keeping the firmware updated ensures optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are free from damage.
- **Network Stability:** Monitor your WiFi signal strength to ensure a stable connection for the camera.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to WiFi	Incorrect WiFi password; Camera too far from router; Router settings (e.g., MAC filtering); Incorrect WiFi band selected.	Verify WiFi password. Move camera closer to router or use a WiFi extender. Check router settings. Ensure you are connecting to the correct 2.4GHz or 5GHz network. Try wired connection for initial setup.
Poor image quality	Dirty lens; Insufficient lighting; Network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for optimal image quality. Check your internet speed and camera's network connection.
Motion detection not working	Sensitivity too low; Detection zone not configured; Obstructions in view.	Adjust motion detection sensitivity in the app. Define or expand detection zones. Ensure no objects are blocking the camera's view.
Two-way audio issues	Microphone/speaker muted in app; Network latency; Environmental noise.	Check app settings to ensure audio is enabled. Ensure a stable network connection. Reduce environmental noise if possible.
Camera offline	Power loss; WiFi disconnected; Router issues.	Check power supply to the camera. Restart your router. Reconnect the camera to WiFi via the app.

8. SPECIFICATIONS

Feature	Detail
Model Number	NST-IPC7145
Video Recording Resolution	5MP
Wireless Communication Technology	Wi-Fi (2.4GHz/5GHz)
Form Factor	Dome / Bullet (PTZ)
Material	Aluminum Titanium Metal
Dimensions (L x W x H)	15 x 12 x 12 cm
Weight	1.08 kilograms
Water Resistance Level	IP66 (Waterproof)
Impact Resistance	IK10 (Implied by product description)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Special Features	Two-way audio, PTZ technology, Night vision (Full Color)

Feature	Detail
Recommended Use	Outdoor Security
Power Source	Electric Cable (12V Adapter)
Storage	MicroSD card (up to 256GB), Cloud Storage
Mounting Type	Wall Mount

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ENSTER website or contact their customer service directly. Details are typically provided on the product packaging or within the included documentation.
Manufacturer: ENSTER
ASIN: B0F2DYJF6P