NETVUE Sentry Pro

NETVUE Sentry Pro Outdoor Security Camera User Manual

Model: Sentry Pro | Brand: NETVUE

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NETVUE Sentry Pro Outdoor Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The NETVUE Sentry Pro is designed to provide reliable outdoor surveillance with advanced features such as 2K 3MP Super HD video, pan/tilt/zoom capabilities, two-way audio, clear night vision, and intelligent motion detection.

2. PRODUCT OVERVIEW

2.1 Key Features

- **360° Pan and Tilt with 8X Digital Zoom:** Offers extensive coverage with 360° horizontal and 160° vertical rotation.
- **2K 3MP Super HD Quality:** Captures clearer live video streaming with 50% more detail than 1080p HD cameras.
- **H.265 High-Efficiency Video Coding:** Provides smoother video, consumes less bandwidth, and reduces storage usage by approximately 50%.
- **Clear Night Vision:** Equipped with 850nm infrared LEDs for clear visibility up to 60 feet in low-light conditions.
- **IP66 Weatherproof:** Designed to withstand temperatures from 14°F to 144°F (-10°C to 50°C), suitable for various weather conditions.
- **Two-way Audio:** Features a high-sensitivity microphone and speaker for real-time communication.
- **Real-time Motion Detection & Human Detection:** Automatically tracks movements and sends notifications to the Netvue App upon detecting suspicious activities or human figures.
- **2.4G Wi-Fi Connectivity:** Works with 2.4Ghz Wi-Fi networks for stable wireless connection.
- **Multiple Storage Options:** Supports local storage via SD card (up to 128GB, not included) and a 60-day cloud storage service.
- **Alexa-enabled:** Compatible with Amazon Alexa for voice control and live video display on Echo Show devices.

2.2 Product Components

The NETVUE Sentry Pro camera system includes the main camera unit, mounting hardware, and a power adapter. Ensure all components are present before installation.

Figure 2.1: NETVUE Sentry Pro Outdoor Security Camera with mobile app view.

This image displays the main unit of the NETVUE Sentry Pro camera, a white dome-shaped camera mounted on a wall bracket, with an antenna and power cable. An overlay shows a smartphone screen displaying a live feed from the camera of a family in a garden.

Figure 2.2: 3MP Super HD Quality.

This image highlights the 3MP Super HD capability of the camera, showing a clear image of a child with flowers, contrasted with a smaller, less detailed 1080p image inset.
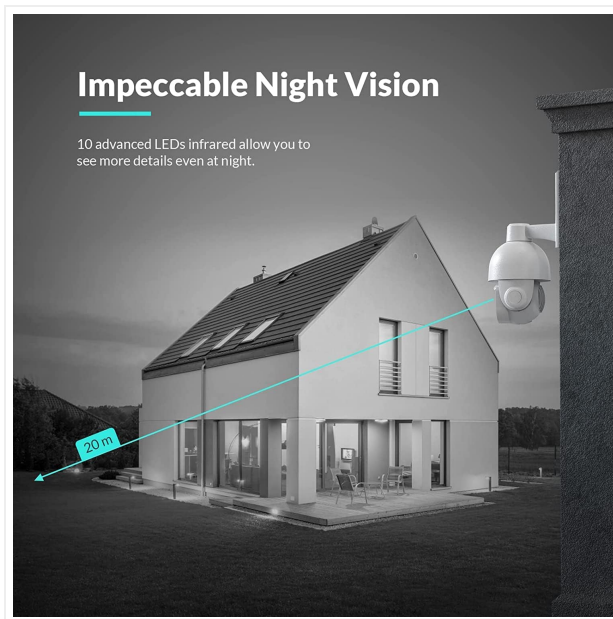

Figure 2.3: Night Vision Capability.

This image illustrates the camera's night vision, showing a house at night with an infrared beam extending from the camera, indicating a clear view up to 20 meters (60 feet).
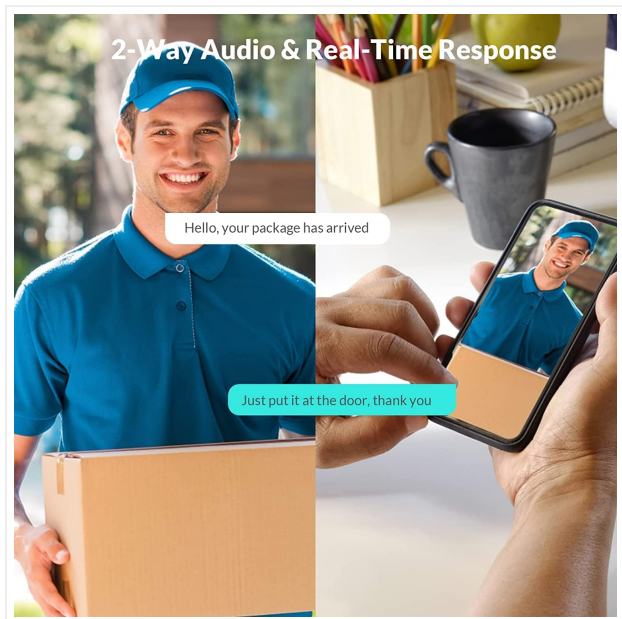

Figure 2.4: Two-Way Audio Functionality.

This image demonstrates the two-way audio feature, showing a person speaking to a delivery driver through the camera, with speech bubbles indicating the conversation.

3. SETUP GUIDE

3.1 Before You Begin

- Ensure you have a stable 2.4Ghz Wi-Fi network available. The camera does not support 5Ghz Wi-Fi.
- Identify a suitable outdoor location for mounting, ensuring access to a power outlet (AC/DC power source required, no batteries).

- Download the Netvue App from your smartphone's app store (iOS or Android).

3.2 Installation Steps

1. **Mounting the Camera:** Securely attach the camera to a wall or suitable surface using the provided mounting hardware. Ensure the camera has a clear line of sight to the area you wish to monitor.

2. **Power Connection:** Connect the camera to a power outlet using the provided power adapter. The camera requires continuous power to operate.

3. **App Setup:**

   - Open the Netvue App and create an account or log in.
   - Follow the in-app instructions to add your new Sentry Pro camera. This typically involves scanning a QR code on the camera or manually entering its ID.
   - Connect the camera to your 2.4Ghz Wi-Fi network through the app.

4. **Initial Configuration:** Once connected, you can configure settings such as motion detection zones, notification preferences, and storage options within the Netvue App.
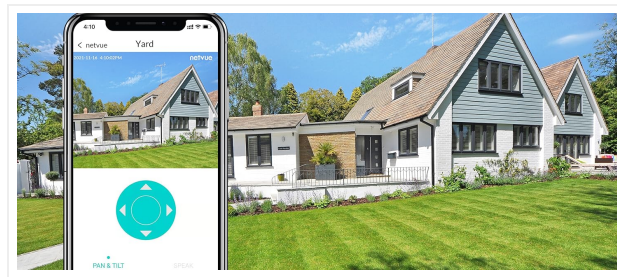

Figure 3.1: Example of camera installation.

This image shows the Netvue Sentry Pro camera mounted on the exterior of a house, overlooking a garden, illustrating a typical installation scenario.

4. OPERATING INSTRUCTIONS

4.1 Live View and Pan/Tilt Control

Access the live video feed of your camera through the Netvue App on your smartphone, tablet, or PC. From the live view interface, you can control the camera's pan (horizontal) and tilt (vertical) movements to adjust the viewing angle. The camera offers a 360° horizontal and 160° vertical rotation range, along with 8X digital zoom.

Figure 4.1: Live video access across devices.

This image shows the camera's live video feed accessible on a smartphone, tablet, and laptop, indicating multi-device compatibility.

Figure 4.2: Pan and Tilt controls in the Netvue App.

This image displays a smartphone screen showing the Netvue app interface with directional controls for pan and tilt, overlaid on a background of a house and garden.

4.2 Two-Way Audio

Utilize the two-way audio feature to communicate with individuals near the camera. Tap the microphone icon in the app to speak, and listen through the camera's built-in speaker.

4.3 Motion Detection and Alerts

The Sentry Pro camera is equipped with real-time motion detection and human detection capabilities. When motion or a human figure is detected, the camera will automatically track the movement (if configured) and send instant notifications to your Netvue App. You can customize detection zones and sensitivity settings within the app to minimize false alerts.

Note: This camera provides motion detection alerts and can track movements automatically. However, it does not feature continuous automatic motion tracking that keeps a subject centered in the frame if it moves across a wide area without re-triggering detection.
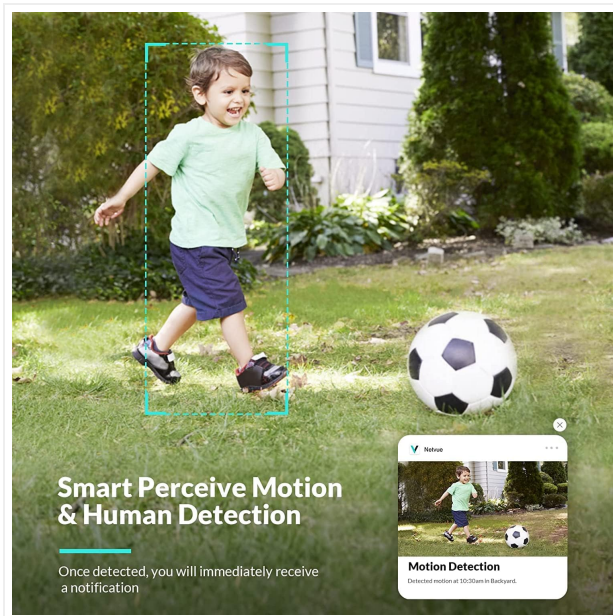
Figure 4.3: Motion and Human Detection.

This image shows a child playing with a soccer ball in a yard, with a green box highlighting the detected motion and a smartphone notification indicating a motion detection event.

Figure 4.4: Human Detection in action.

This image depicts a person in a dark hoodie and mask, with red outlines indicating human detection, and a smartphone displaying a notification for motion detected in a living room.

4.4 Night Vision

The camera automatically switches to night vision mode in low-light conditions, providing clear black-and-white images up to 60 feet (20 meters) using its infrared LEDs.

4.5 Video Storage and Playback

The Sentry Pro supports two primary storage methods:

- **SD Card Storage:** Insert a microSD card (up to 128GB, not included) into the camera's designated slot for continuous local recording.
- **Cloud Storage:** Utilize the optional 60-day cloud storage service for secure, remote access to your recorded footage. New users may receive a 30-day free trial.

Playback recorded videos directly from the Netvue App by selecting the desired date and time.

Figure 4.5: Storage options.

This image illustrates the camera's storage options, showing a smartphone screen with video playback controls and icons for cloud storage and SD card slot.
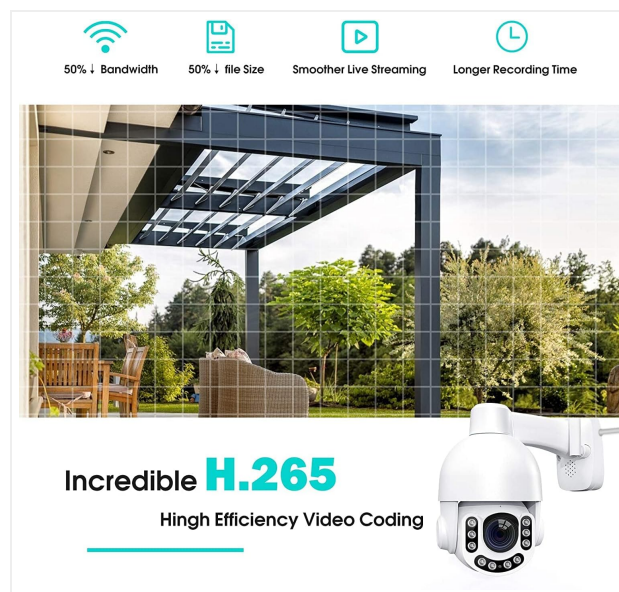

Figure 4.6: H.265 Video Coding Benefits.

This image highlights the benefits of H.265 video coding, including reduced bandwidth and file size, smoother live streaming, and longer recording times, with the camera shown in a garden setting.

4.6 Alexa Integration

The NETVUE Sentry Pro camera can be integrated with Amazon Alexa. Once linked, you can use voice commands such as "Alexa, show me the front door" to display the live camera feed on compatible Alexa-enabled devices like the Echo Show.

5. MAINTENANCE

5.1 Cleaning the Camera

To ensure optimal performance and clear image quality, periodically clean the camera lens and housing. Use a soft, damp cloth to wipe away dust and dirt. Avoid using harsh chemicals or abrasive materials that could damage the lens or finish.

5.2 Weather Resistance

The camera has an IP66 weatherproof rating, meaning it is protected against dust ingress and powerful water jets. It is designed to operate reliably in various outdoor conditions, including heavy rain and snow, and within a temperature range of 14°F to 144°F (-10°C to 50°C). While robust, ensure the power connection is properly sealed and protected from direct water exposure.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi.	Incorrect Wi-Fi password; camera too far from router; 5Ghz Wi-Fi network being used.	Verify Wi-Fi password. Ensure camera is within range of a 2.4Ghz Wi-Fi network. Consider using a Wi-Fi extender if signal is weak. Confirm your router is broadcasting a 2.4Ghz signal.

Problem	Possible Cause	Solution
Poor image quality or blurry video.	Dirty lens; insufficient lighting; network bandwidth issues.	Clean the camera lens with a soft cloth. Ensure adequate lighting for optimal daytime performance. Check your internet connection speed.
Motion detection alerts are too frequent or not triggering.	Sensitivity settings too high/low; detection zones not configured correctly.	Adjust motion detection sensitivity in the Netvue App. Configure specific detection zones to exclude irrelevant areas (e.g., public roads).
Camera stops working after exposure to rain/water.	Water ingress due to improper installation or extreme conditions.	While IP66 rated, ensure all connections are secure and protected. If water ingress is suspected, disconnect power immediately and contact customer support.
No automatic continuous motion tracking.	This model does not feature continuous automatic motion tracking.	The camera provides motion detection alerts and can track movements automatically upon detection, but it does not continuously follow a subject across its entire field of view without re-triggering. Manual pan/tilt control is available via the app.

For further assistance, please refer to the support section or contact NETVUE customer service.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Model	Sentry Pro
Video Capture Resolution	2K (3MP)
Pan/Tilt Range	360° Horizontal, 160° Vertical
Digital Zoom	8X
Connectivity	2.4G Wi-Fi (IEEE 802.11b/g/n)
Power Source	AC/DC (Plug-in)
Night Vision Range	Up to 60 ft (18.3 m)
Weatherproof Rating	IP66
Operating Temperature	14°F to 144°F (-10°C to 50°C)
Storage Options	MicroSD Card (up to 128GB), Cloud Storage
Audio	Two-Way Audio
Motion Detection	Real-time Motion Detection, Human Detection
Compatible Devices	Smartphone, PC, Tablet (via Netvue App)
Controller Type	Amazon Alexa

Feature	Detail
Dimensions	8.27 x 8.15 x 4.49 inches
Weight	2.81 pounds

8. WARRANTY AND SUPPORT

8.1 Product Warranty

For detailed information regarding the product warranty, including terms, conditions, and duration, please refer to the official NETVUE website or contact NETVUE customer support directly. Warranty policies may vary by region and purchase date.

8.2 Customer Support

NETVUE provides 24/7 online customer support to assist with any questions or issues you may encounter. You can typically find support options, including live chat and FAQs, on the official NETVUE website or within the Netvue App.
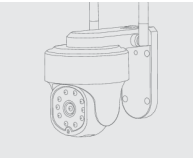
Figure 8.1: NETVUE Brand Logo.

The official logo for NETVUE, the manufacturer of the Sentry Pro camera.

Related Documents

	Netvue Vigil 2 Quick Guide A quick guide to setting up and installing the Netvue Vigil 2 security camera, including what's in the box, camera structure, SD card insertion, installation steps, status light indicators, and contact information.
	Netvue Sentry 3 Quick Guide A quick guide to setting up and installing the Netvue Sentry 3 security camera, including what's in the box, camera structure, installation steps, and the Netvue Protect Plan.

	[Netvue Vigil Camera Quick Guide: Installation and Setup](#) A comprehensive quick guide for installing and setting up the Netvue Vigil Camera, covering unboxing, app connection, installation methods, and status light indicators.
	[Netvue Vigil Camera Quick Guide: Setup and Installation](#) A comprehensive quick guide for setting up and installing the Netvue Vigil Camera, covering unboxing, app connection (wireless and wired), mounting instructions, and status light indicators.

Documents - NETVUE – Sentry Pro

[pdf] Quick Start Guide Instructions Guide

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Sentry Pro Quick Guide Warning This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference 1 this device may not cause harmful interference, and 2 this device must accept any interference received, including in...

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25/10/22, 09:00 Gmail - Order #26827 confirmed Jos Manuel Clavijo goclajoma gmail.com Order #268 ... ped. We will notify you when it has been sent. View your order or Visit our store Order summary **Sentry Pro** 3MP Outdoor PTZ Camera Web Multiple View H.265 2 None / None / None 111.98 Su...

lang:en score:15 filesize: 178.37 K page_count: 2 document date: 2022-10-25