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## Tonton M1560HNW8

# Tonton Wireless Security Camera System User Manual

Model: M1560HNW8

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Tonton Wireless All-in-One Ultra HD Security Camera System. This system features a 16-inch 5MP IPS monitor, a 10-channel NVR with a 1TB hard drive, and four 3MP outdoor bullet IP floodlight cameras with PIR detection. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Image 1.1: Overview of the Tonton Wireless Security Camera System, including the 16-inch monitor, four bullet cameras, and the 1TB hard drive.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any components are missing or damaged, please contact customer support.

# What's in the Box

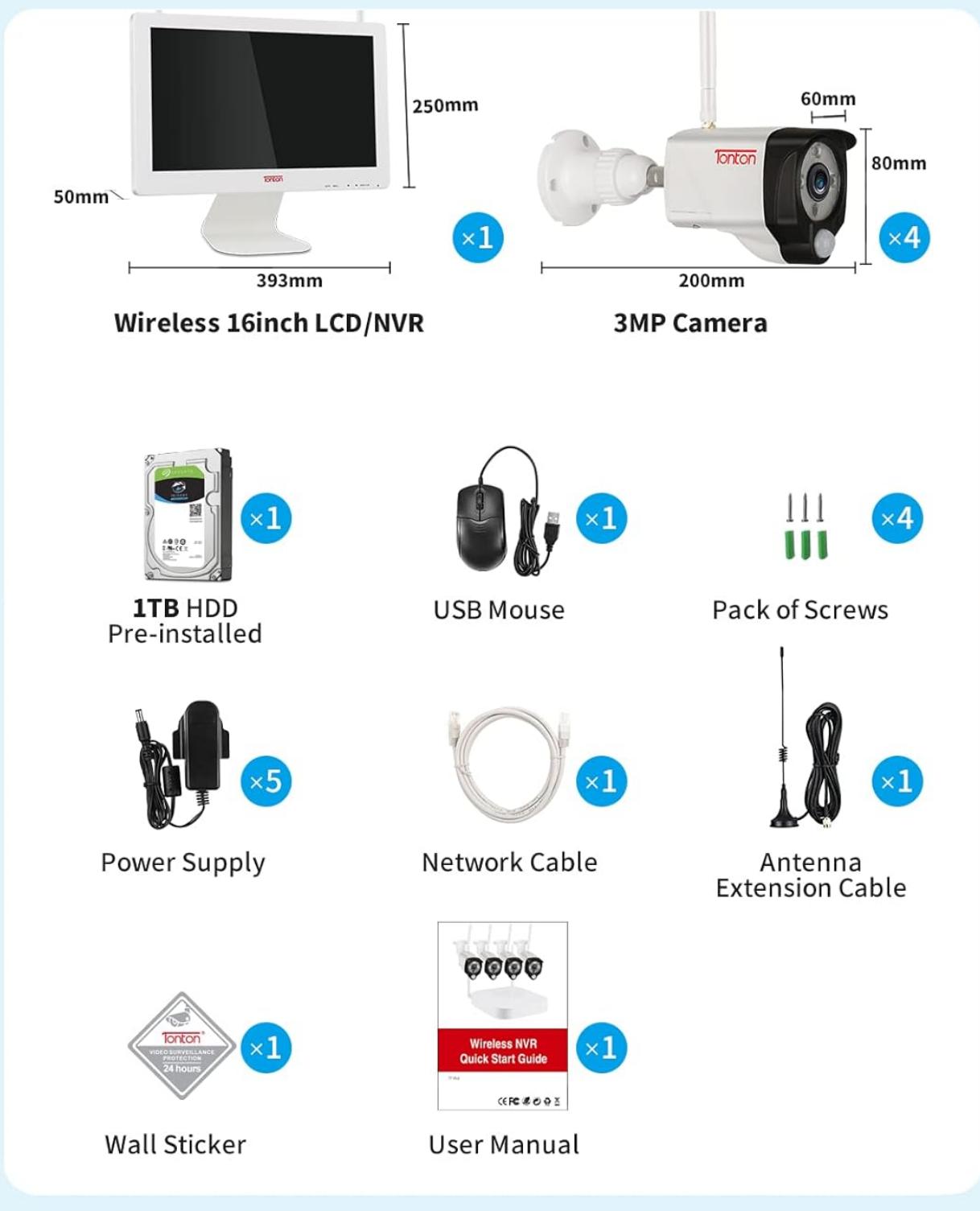


Image 2.1: Visual representation of all items included in the product package.

- 1 x 16-inch Monitor with 1TB HDD (Network Video Recorder integrated)
- 4 x 3MP Cameras
- 1 x 1.8M Power Supply for Monitor
- 4 x 12V 1A 3M Power Supplies for Cameras
- 1 x USB Mouse
- 1 x Network Cable

- 1 x HDMI Cable
- 4 x Packs of Screws for mounting
- 1 x Wall Sticker
- 1 x User Manual (this document)

## 3. SYSTEM OVERVIEW

The Tonton Wireless Security Camera System is designed for ease of use and reliable surveillance. The system consists of a Network Video Recorder (NVR) with an integrated 16-inch IPS monitor and wireless IP cameras. The NVR manages video recording, storage, and display, while the cameras capture high-definition footage.

### 3.1 Camera Features

- **Resolution:** 3MP (2304\*1296) for clear images.
- **Lens:** 3.6mm fixed lens with a 110° wide-angle view.
- **Night Vision:** Up to 100ft (30M) with 3pcs spotlights and 3pcs IR LEDs for color night vision.
- **Audio:** Built-in microphone and speaker for two-way audio communication.
- **Detection:** PIR sensor and AI Human Detection for accurate motion alerts.
- **Weatherproof:** IP66 rated metal housing for indoor and outdoor use (-30°C to 60°C / -14°F to 140°F).
- **Connectivity:** Wireless (Wi-Fi) with an optional RJ45 port for wired connection.
- **Mounting:** 360° rotatable bracket.

### 3.2 NVR with Monitor Features

- **Display:** 16-inch 5MP IPS monitor.
- **Channels:** 10-channel expandable system (supports up to 10 cameras).
- **Storage:** Pre-installed 1TB security hard drive, expandable up to 6TB.
- **Video Compression:** H.265+ for efficient storage and smoother playback.
- **Connectivity:** Dual WiFi technology (built-in WiFi and RJ45 port for Ethernet).
- **Ports:** USB 2.0, HDMI, LAN.

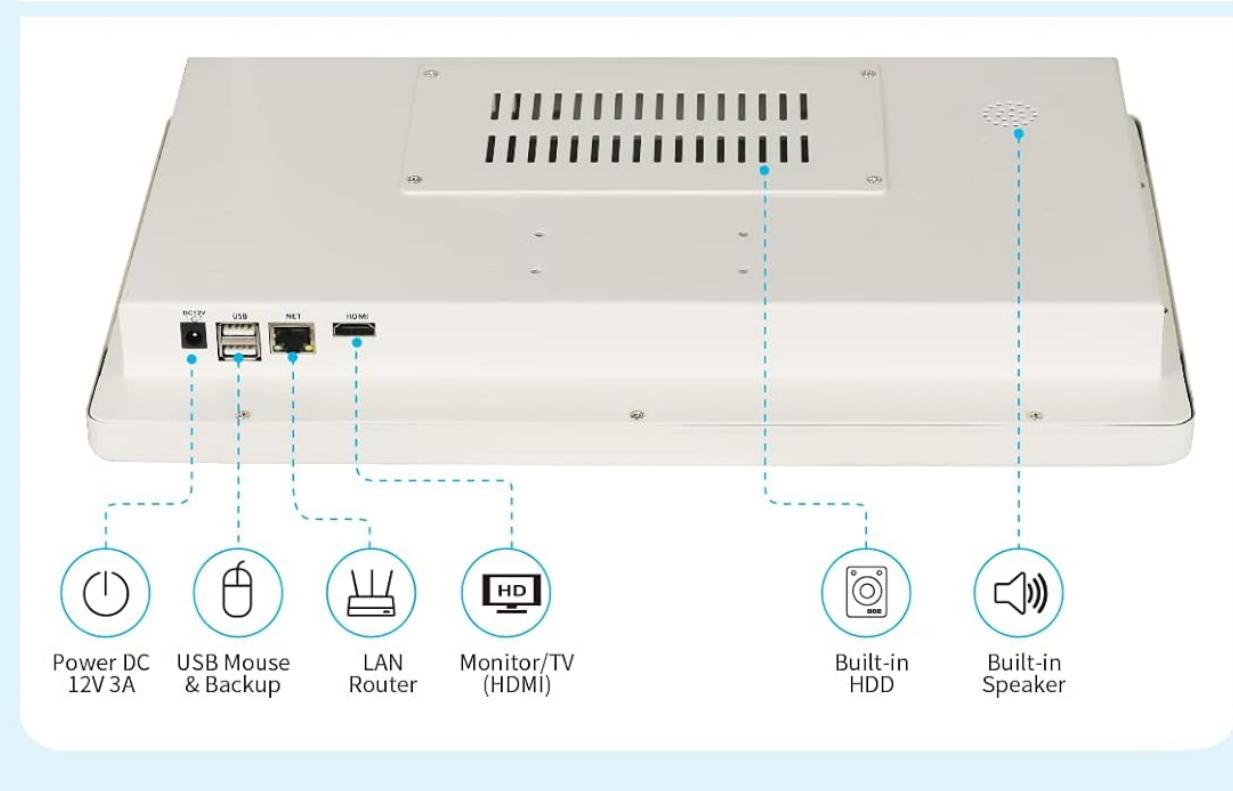


Image 3.1: Detailed view of the camera and NVR, highlighting key components and ports such as the lens, microphone, speaker, power input, USB, HDMI, and LAN ports.

## 4. SETUP GUIDE

The Tonton system is designed for plug-and-play installation. Follow these steps for initial setup.

### 4.1 Initial Power-On

1. Connect the NVR monitor to a power outlet using its dedicated power adapter.
2. Connect each camera to a power outlet using the provided 12V 1A power adapters.
3. The cameras and NVR are pre-paired. Once powered, the cameras will automatically connect to the NVR, and live video feeds will appear on the monitor.

## Auto Pair, Plug-and-Play WiFi

No need for complex configurations



Image 4.1: Illustration of a camera connected to power and the NVR monitor displaying multiple camera views, demonstrating the auto-pair and plug-and-play functionality.

### 4.2 Network Connection for Remote Access

To enable remote viewing via smartphone or PC, the NVR needs an internet connection.

- Wireless Connection:** The NVR has built-in WiFi. Navigate to the NVR's network settings (right-click with the USB mouse on the monitor, then select 'System Setup' > 'Network'). Select your WiFi network and enter the password.
- Wired Connection:** Alternatively, connect the NVR to your router using the provided Ethernet cable via the RJ45 port.



Image 4.2: The NVR monitor establishing a wireless connection with a home router.

### 4.3 Remote Viewing Setup (EseeCloud App)

For remote access on your smartphone or PC, download the 'EseeCloud' application.

- Download the 'EseeCloud' app from your device's app store (available on App Store for iOS and Google Play for Android).
- Open the app and register an account.
- Scan the device QR code displayed on the NVR monitor (right-click > 'System Setup' > 'Network' > 'Cloud ID') or manually enter the Cloud ID.
- Add the device to your account. You can now view live feeds and recordings remotely.

For PC software ('ismkit'), please contact Tonton customer support for download links and instructions.

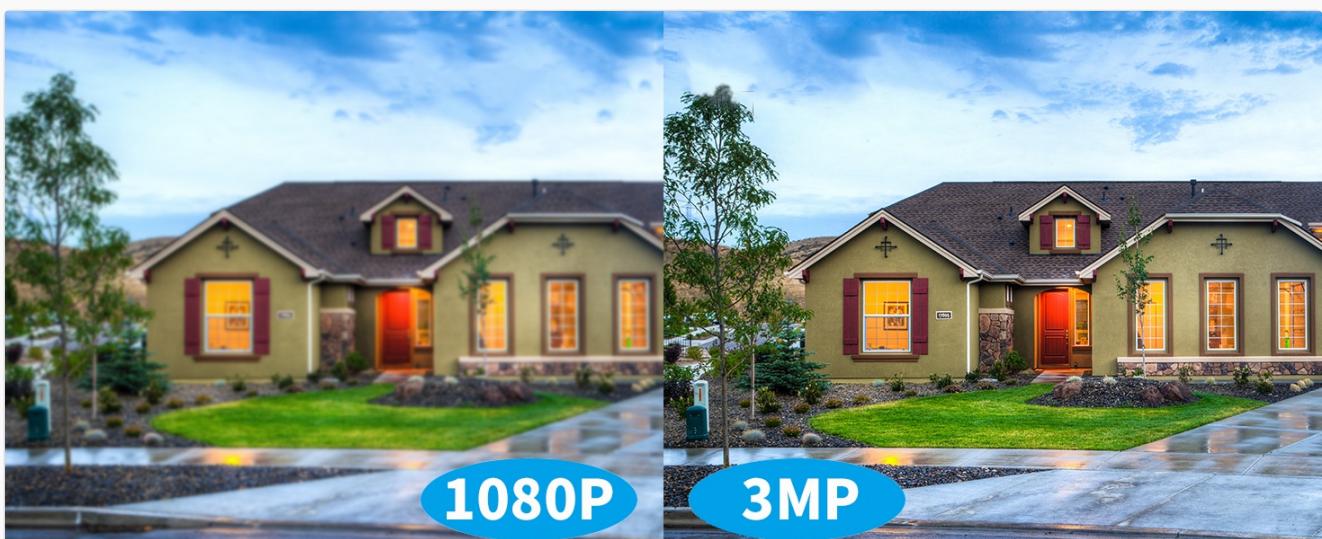


Image 4.3: Demonstrates remote viewing capabilities across various devices (smartphone, tablet, laptop, desktop) using the EseeCloud application. Download the app from <http://www.dvr163.com/download/indexm.php>.

## 5. OPERATING INSTRUCTIONS

### 5.1 Live View and Playback

The 16-inch monitor displays live feeds from all connected cameras. Use the USB mouse to navigate the NVR interface. Right-click to access the main menu for options like playback, system setup, and channel management.

### 5.2 Two-Way Audio

Each camera is equipped with a microphone and speaker, enabling two-way audio communication through the EseeCloud app. This allows you to listen to the camera's surroundings and speak through the camera's speaker.

# 2-Way Conversation in Real Time

See, Hear, and talk as if you were there



Image 5.1: A user communicating with a delivery person at their door using the camera's two-way audio function.

## 5.3 Motion Detection and Alerts

The system utilizes PIR (Passive Infrared) sensors and AI Human Detection to minimize false alarms and provide accurate alerts.

- **PIR Activated Floodlight:** When motion is detected, the camera's floodlight can automatically activate, illuminating the area and deterring intruders.

- **Siren Alarm:** Cameras can be configured to trigger an audible siren upon detection.
- **Notifications:** Receive instant alerts via the EseeCloud app (push notifications) and email notifications with snapshots of detected events.

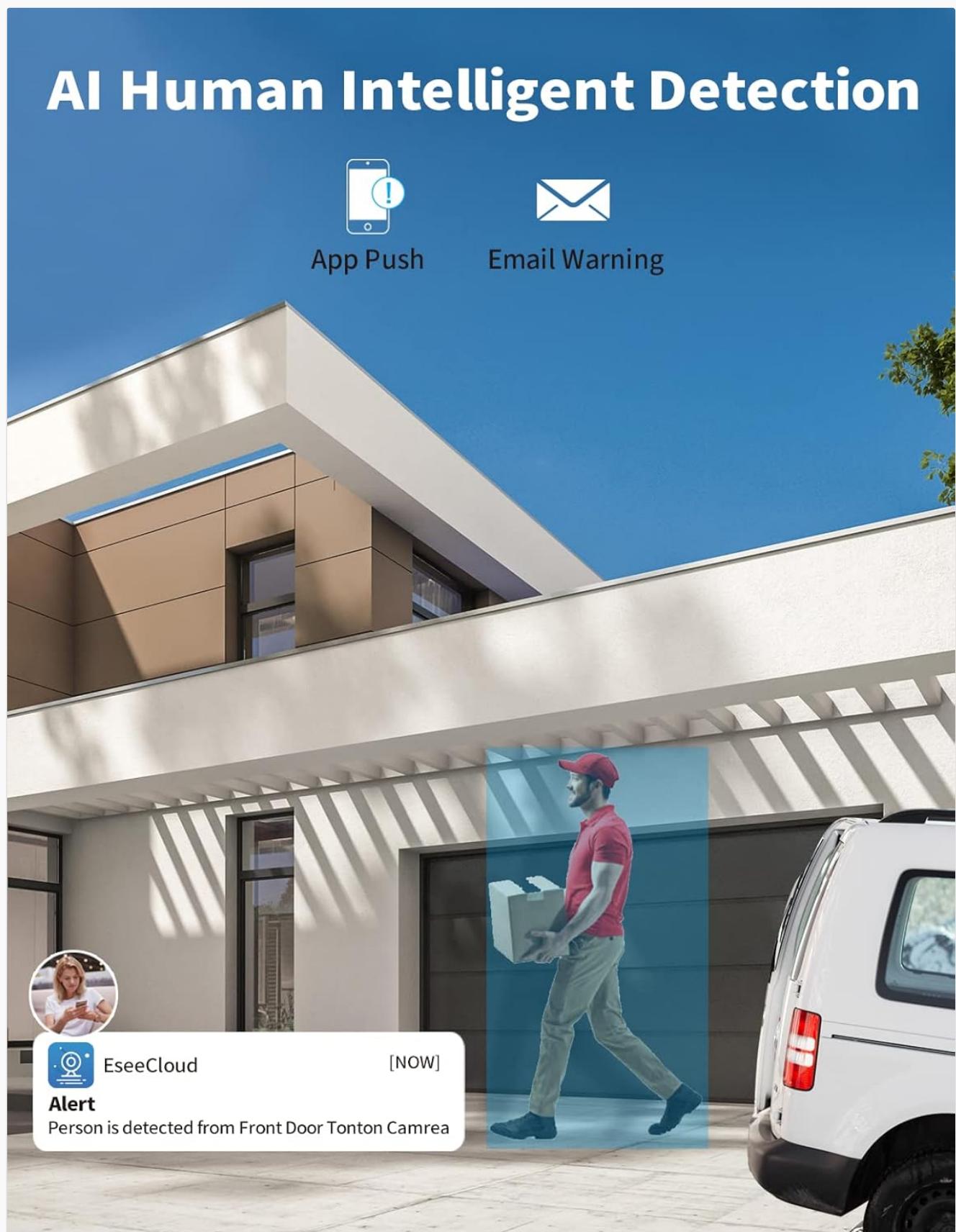


Image 5.2: An example of AI Human Intelligent Detection, showing a person being identified by the camera and an EseeCloud app notification being received.



Image 5.3: Demonstrates the alert system, including app push notifications and email alerts for detected events.

## 5.4 Night Vision Modes

The cameras offer enhanced night vision capabilities with multiple modes:

- **Full Color Mode:** Utilizes spotlights to provide full-color video even in low-light conditions.
- **Infrared Mode:** Standard black and white night vision using IR LEDs.
- **Smart Mode:** Automatically switches between IR and color night vision based on detected motion.

# Enhanced Color Night Vision



Image 5.4: An outdoor area illuminated by the camera's floodlights, showcasing enhanced color night vision capabilities.

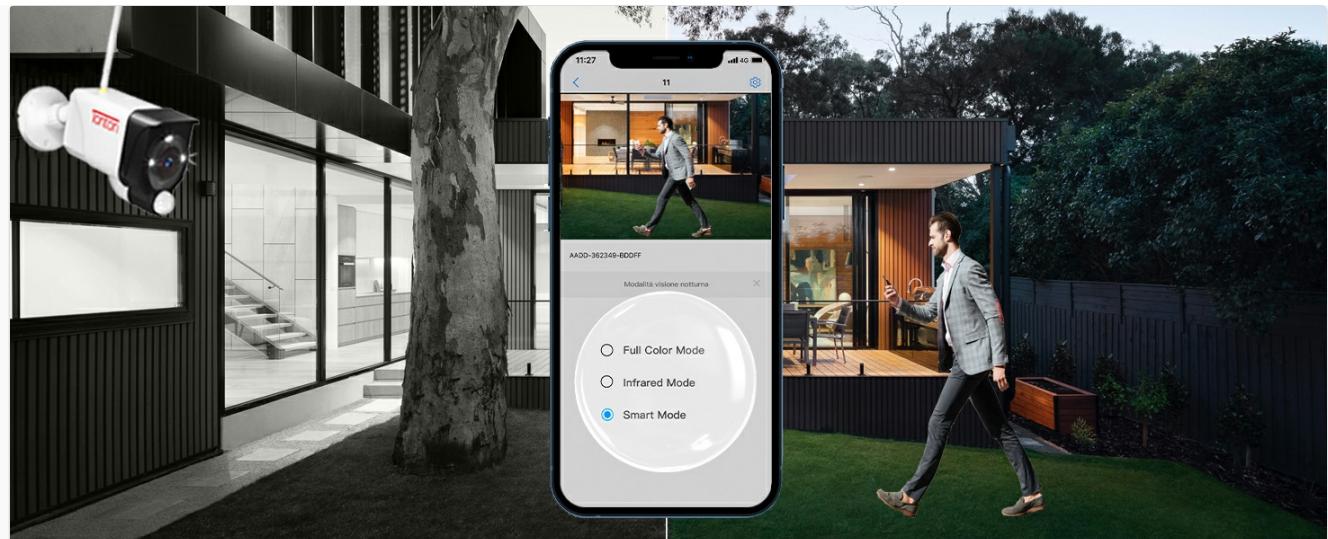


Image 5.5: A smartphone displaying the EseeCloud app interface with options to select different night vision modes: Full Color, Infrared, and Smart Mode.

## 5.5 H.265+ Video Compression

The system uses advanced H.265+ video compression technology, which significantly reduces file sizes while maintaining video quality. This saves hard drive space and ensures smoother video playback.

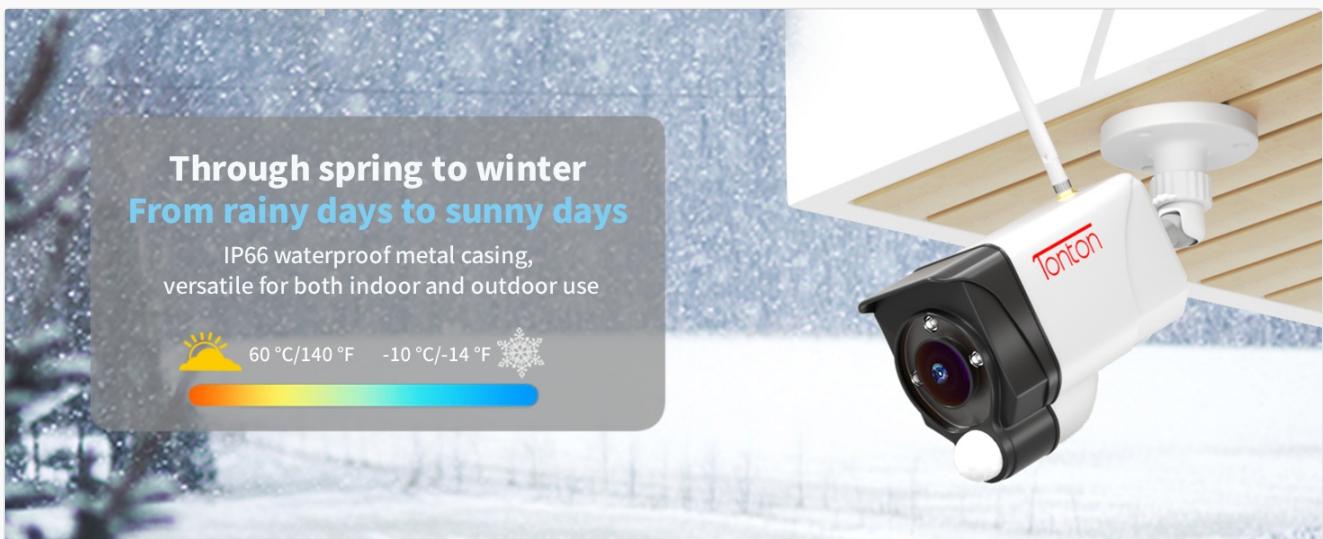


Image 5.6: A visual comparison illustrating the efficiency of H.265+ video compression over H.264 in terms of storage space and bandwidth usage.

## 5.6 Alexa Integration

Tonton security cameras support integration with Amazon Alexa. You can use voice commands to view camera feeds on compatible Alexa-enabled devices.



Image 5.7: An example of Alexa integration, where a user can view camera feeds on an Alexa-enabled smart display.

## 6. MAINTENANCE

### 6.1 Hard Drive Management

The 1TB hard drive provides continuous 24/7 recording. When the hard drive is full, older footage is automatically overwritten to make space for new recordings. To prolong recording time before overwriting, utilize the Motion+AI Humanbody detection mode, which records only when relevant activity is detected.

### 6.2 Camera Care

The cameras are IP66 weatherproof, suitable for various outdoor conditions. Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid using harsh chemicals.

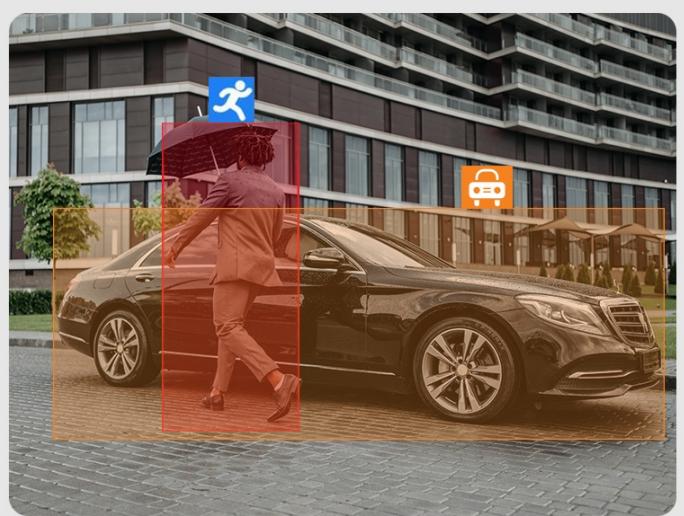


Image 6.1: A Tonton camera installed outdoors in winter, demonstrating its IP66 weatherproof design for year-round use.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 7.1 "Disconnect" Message on Monitor

If a camera displays a "Disconnect" message, it indicates a loss of connection between the camera and the NVR.

- **Check Power:** Ensure the camera is properly powered. Verify the power adapter is securely connected to both the camera and a working power outlet.
- **Signal Strength:** Wireless signal can be affected by distance, obstacles (thick walls, metal structures), or interference. Try repositioning the camera or NVR to improve signal.
- **Re-pair Camera:** If the issue persists, you may need to manually re-pair the camera with the NVR. Refer to the NVR's on-screen menu for camera management and pairing options.
- **NVR Reboot:** Reboot the NVR by unplugging it from power, waiting 10 seconds, and plugging it back in.

## 7.2 No Remote Access

If you cannot access the system via the EseeCloud app:

- **NVR Internet Connection:** Ensure the NVR is connected to the internet (either via WiFi or Ethernet cable). Check the network status in the NVR's system settings.
- **App Login:** Verify you are logged into the EseeCloud app with the correct account.
- **Cloud ID:** Confirm the Cloud ID entered in the app matches the one displayed on the NVR.
- **Router Settings:** Ensure your router is functioning correctly and not blocking the NVR's internet access.

## 7.3 Inconsistent Time Display

If the system time is inconsistent, ensure the NVR is connected to the internet. The NVR typically synchronizes its time automatically when connected to a network. You can also manually set the time in the NVR's system settings.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Tonton
Model Number	M1560HNW8
Connectivity Technology	Wireless
Video Capture Resolution	2K, 3MP (2304*1296)
Special Features	Image, Motion Sensor, Night Vision, Waterproof, 2-Way Audio, Spotlight, AI Human Detection
Number of Channels	10
Memory Storage Capacity	1 TB (expandable up to 6 TB)
Power Source	Corded Electric
Item Dimensions (L x W x H)	13.55 x 17.53 x 7.8 inches
Compatible Devices	Cameras, Personal Computers, Smartphones, TV, Tablets
Low Light Technology	Night Color

Feature	Specification
Focal Length	F=3.6mm
Night Vision Range	100 Feet (30 Meters)
Frame Rate	15fps
Total USB Ports	1
Hardware Interface	HDMI, LAN, USB 2.0
Lens Type	Wide Angle
Viewing Angle	110 Degrees
Item Weight	7.05 pounds
UPC	654913789271

## 9. WARRANTY AND SUPPORT

Tonton is committed to customer satisfaction and provides comprehensive support for its products.

- **Warranty:** The product comes with a 1-year warranty. Defective products will be replaced.
- **Technical Support:** Lifetime technical support is available.
- **Email Support:** Contact via email at [sales@tontonsecurity.com](mailto:sales@tontonsecurity.com) for a response within 10 hours.
- **WhatsApp Support:** Reach out via WhatsApp at +86 137-2786-5870 during specified hours (PST 17:00 PM-20:00 PM, 21:00 PM-01:00 AM).



Image 9.1: Scan this QR code with your smartphone to access Tonton support resources.

 <p>Wireless Mini NVR User Manual</p>	<p><a href="#">Tonton Wireless Mini NVR User Manual</a></p> <p>This user manual provides comprehensive instructions for setting up, configuring, and operating the Tonton Wireless Mini NVR system. It covers interface descriptions, hard disk installation, system connection, initial setup wizard, network configuration, date/time settings, storage management, password setup, app integration, menu navigation, recording settings, intelligent detection, video playback, video backup, adding IP cameras, and expanding wireless coverage.</p>
 <p>IP/Network Camera Instruction Manual</p>	<p><a href="#">IP/Network Camera Instruction Manual</a></p> <p>Instruction manual for setting up and using an IP/Network Camera, covering connection, software installation, Wi-Fi settings, alarm management, and SD card recording.</p>
 <p>Wireless Mini NVR User Manual</p>	<p><a href="#">Tonton Wireless Mini NVR User Manual</a></p> <p>This user manual provides comprehensive instructions for setting up, configuring, and operating the Tonton Wireless Mini NVR system. It covers interface descriptions, hard disk installation, system connection, initial setup wizard, network configuration, date/time settings, storage management, password setup, app integration, menu navigation, recording settings, intelligent detection, video playback, video backup, adding IP cameras, and expanding wireless coverage.</p>
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 <p>Hyper Yo-Yo Accel: A Spinning Sport Comic Adventure</p>	<p>Dive into the exciting world of competitive yo-yoing with 'Hyper Yo-Yo Accel,' a special comic showcasing thrilling battles and incredible tricks. Follow the journey of passionate yo-yoers as they strive for recognition and push the limits of their skills.</p>