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› Montavue Smart Security Camera System User Manual

Montavue MTIP4082-4-4095T-W

Montavue Smart Security Camera System User Manual

Brand: Montavue | **Model:** MTIP4082-4-4095T-W

1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the Montavue Smart Security Camera System, an 8-channel 4K NVR with 4MP AISMD Turret Audio Cameras. This system is designed to provide advanced surveillance with smart dual illumination and intelligent people/vehicle detection capabilities, ensuring robust security for your property.



Figure 1: Montavue Smart Security Camera System components.

2. WHAT'S IN THE BOX

Upon unboxing your Montavue Smart Security Camera System, verify that all the following components are present:

- MNR8080-8 8 Channel 4K NVR
- 2TB Surveillance Grade HDD (Pre-installed in NVR)
- MTT4095-AI-SMD-DI IP Cameras (Quantity as per package, e.g., 6 for this model)
- 100ft Cat5e Cable for Each Camera
- HDMI Cable
- Patch Cable
- USB Mouse

3. KEY FEATURES

3.1. 4K Ultra HD NVR and 4MP Cameras

The system includes an 8-channel 4K Ultra HD NVR and 2K 4MP AISMD Turret Cameras, providing high-resolution video for clear and detailed surveillance. The NVR supports 80mbps incoming bandwidth and comes with 2TB of storage, expandable up to 10TB.



Figure 2: Rear view of the 8-channel 4K NVR (MNR8080-8) showing various ports.

3.2. AI Smart Motion Detection (AISMD) and Smart Dual Illumination

The 4MP smart cameras feature AI tripwires and smart motion detection to accurately filter events caused by humans or vehicles, reducing false alarms from animals or shadows. Cameras also include smart dual illumination to ensure full-color images during night motion events.



Figure 3: Smart Motion Detection in action, highlighting human and vehicle detection.

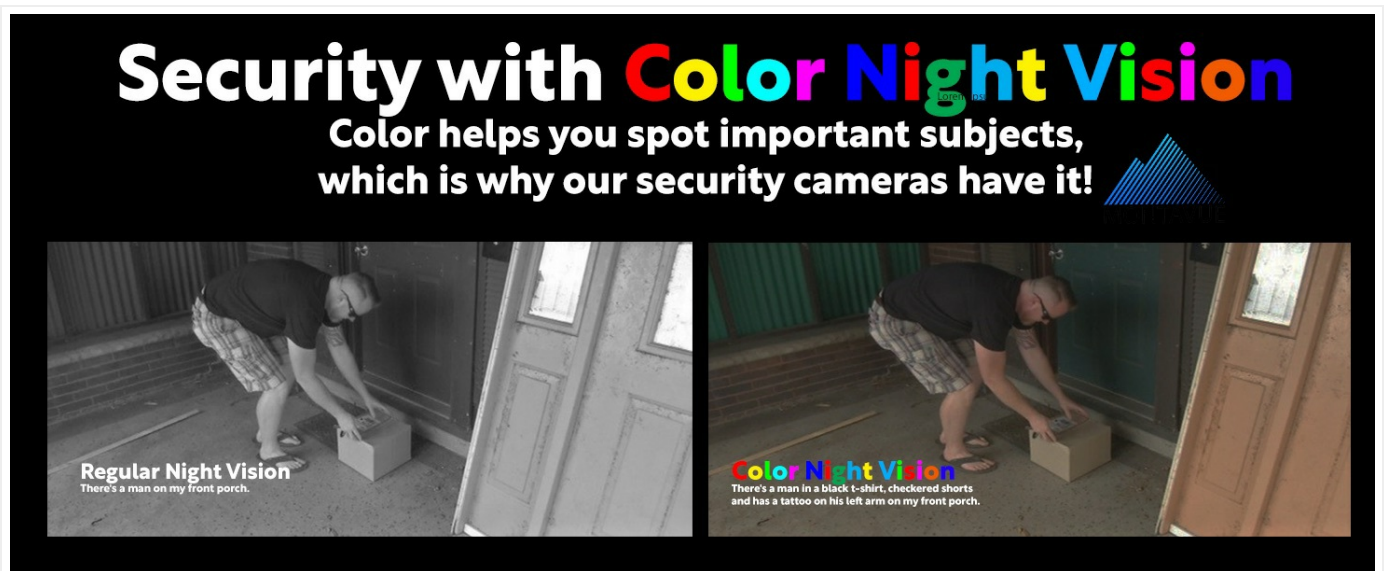


Figure 4: Smart Dual Illumination automatically activating when a human enters the monitoring area.

Your browser does not support the video tag.

Video 1: Demonstrates Montavue 4095 Series Cameras with Night Color and SMD features, showcasing their advanced detection and illumination capabilities.

3.3. Built-In Microphone for Audio

The cameras include a built-in microphone, allowing for audio recording and live listening. This feature enhances surveillance by providing an auditory dimension to video monitoring.



Figure 5: Audio capture and monitoring via the built-in microphone.

3.4. Free Mobile App (MontavueGo)

Monitor your security system from anywhere using the free MontavueGo mobile app, available for smartphones, tablets, and computers. The app allows for remote viewing, listening, two-way talk (with applicable cameras), push notifications, playback, PTZ control, and saving clips.



Figure 6: Multi-platform remote access via the MontavueGo app.

3.5. Plug & Play PoE Setup

Installation is simplified with Power over Ethernet (PoE) technology. A single network cable transmits both power and video data, making setup quick and efficient.

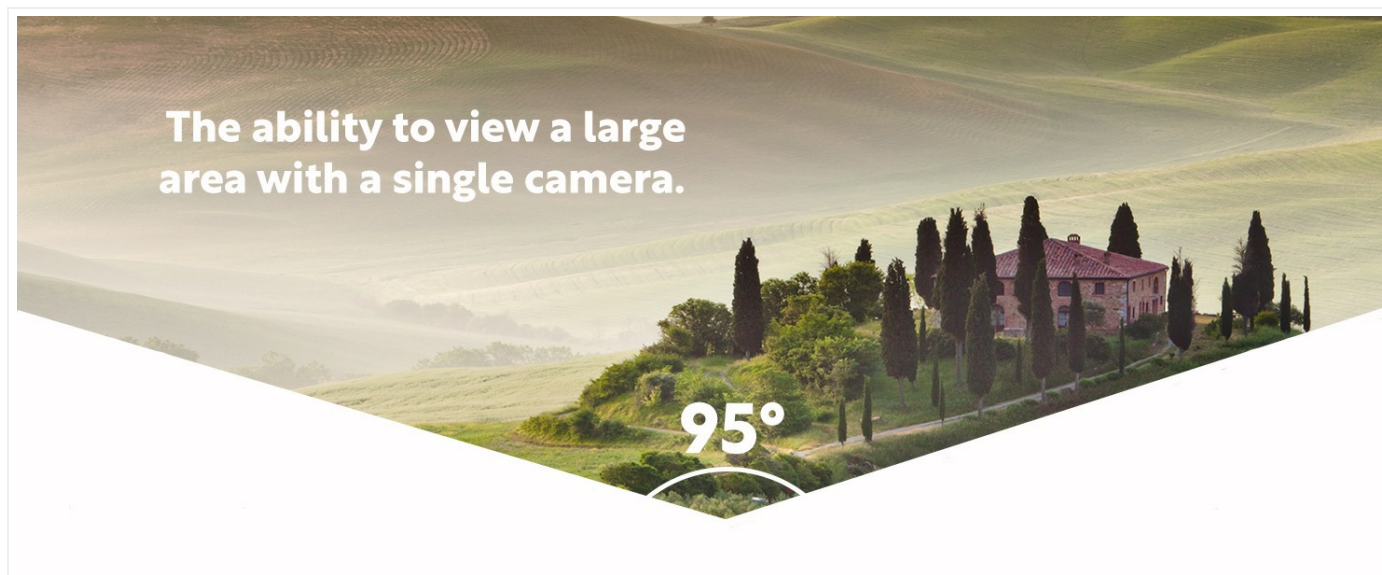


Figure 7: Simplified PoE connection for cameras and NVR.

3.6. IP67 Weatherproof Rating

The cameras are IP67 rated, ensuring they perform reliably in various weather conditions, from extreme cold to heat.

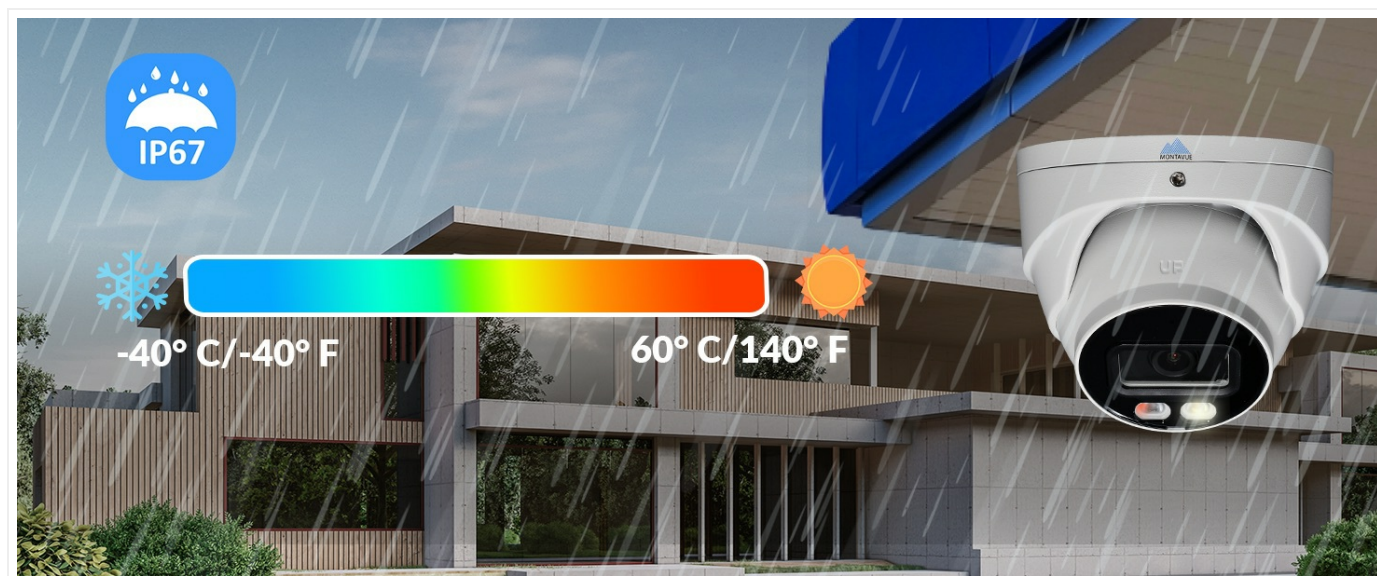


Figure 8: IP67 weatherproof camera performing in adverse conditions.

4. SETUP GUIDE

4.1. NVR Placement

Place the NVR in a secure, dry, and well-ventilated area. Ensure it is close to a power outlet and your internet router for network connectivity. Avoid placing it in direct sunlight or near heat sources.

4.2. Camera Installation

1. **Mounting:** Select appropriate mounting locations for each camera, ensuring optimal viewing angles and coverage. Use the provided mounting hardware to securely attach the cameras.
2. **Cabling:** Connect each camera to an available PoE port on the NVR using the provided Cat5e cables. These cables supply both power and video data.
3. **Power On:** Connect the NVR to a power source using the provided power adapter. The system will power on automatically.

4.3. Initial Configuration

Connect the NVR to a monitor via HDMI or VGA and use the USB mouse to navigate the on-screen setup wizard. Follow the prompts to set up network access, date/time, and user accounts. Ensure the NVR is connected to your network for remote access features.

5. OPERATING INSTRUCTIONS

5.1. Live View

Access live video feeds from all connected cameras through the NVR's local interface or via the MontavueGo mobile application. The app allows you to view multiple cameras simultaneously.

5.2. Playback and Recording

Recordings are stored on the 2TB surveillance-grade HDD. Use the NVR interface or the MontavueGo app to search and playback recorded footage by date, time, or event type (e.g., motion detection). You can also save important clips directly to your phone or a USB drive.

5.3. Smart Detection Features

Configure AI-powered smart motion detection and tripwire settings via the NVR menu or MontavueGo app. These settings allow you to define specific areas for detection and receive alerts only for human or vehicle activity, minimizing irrelevant notifications.

5.4. Audio Monitoring

Utilize the built-in microphones in the cameras to listen in on the monitored area. This feature is accessible through the NVR and the MontavueGo app.

6. MAINTENANCE

- **Camera Cleaning:** Periodically clean camera lenses and housings with a soft, damp cloth to remove dust, dirt, or water spots that may obstruct the view. Do not use harsh chemicals.
- **Software Updates:** Check for firmware updates for your NVR and cameras regularly through the Montavue website or the NVR's system settings. Keeping software updated ensures optimal performance and security.
- **Hard Drive Health:** Monitor the health of the NVR's hard drive through the system settings to prevent data loss. Consider backing up critical footage periodically.
- **Cable Inspection:** Inspect all cables for wear and tear, especially those exposed to outdoor elements. Replace damaged cables promptly to maintain system integrity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video from camera	Loose cable connection, no power, network issue, camera fault.	Check PoE cable connection. Verify NVR is powered on. Restart NVR. Check camera status in NVR settings.
No audio recording	Audio recording disabled, microphone fault.	Enable audio recording in camera settings via NVR. Ensure camera model supports audio.
False motion alerts	Sensitivity too high, incorrect detection zone.	Adjust motion detection sensitivity. Refine detection zones to exclude irrelevant areas. Utilize AI detection for human/vehicle filtering.
Cannot access system remotely	NVR not connected to internet, incorrect app settings, firewall issues.	Verify NVR internet connection. Check MontavueGo app settings and ensure correct login. Consult network administrator for firewall configuration.

8. SPECIFICATIONS

Feature	Detail
Brand	Montavue
Connectivity Technology	Wired
Video Capture Resolution	2K
Special Feature	Night Vision, Vehicle Detection
Number of Channels	8
Memory Storage Capacity	2 TB
Color	Black
Power Source	Corded Electric
Item dimensions L x W x H	18 x 18 x 18 inches
Compatible Devices	Laptops, Personal Computers, Smartphones, Tablets
Signal Format	Digital
Other camera features	Front
Low light technology	Smart Dual Illumination
Focal Length Description	2.8mm
Night Vision Range	100 Feet
Frame Rate	20-30 fps
Recording Mode	motion detection
Optical Sensor Technology	CMOS
Total USB Ports	2
Lens Type	Fixed
Viewing Angle	95 Degrees
Manufacturer	Montavue
Global Trade Identification Number	00810049554996
UPC	810049554996
Product Dimensions	18 x 18 x 18 inches
Item Weight	40 pounds
ASIN	B0BS1V84KB
Item model number	MTIP4082-4-4095T-W
Date First Available	January 12, 2023

9. WARRANTY AND SUPPORT

Montavue systems are backed by a standard **2-year warranty**. We offer **free US-Based technical support** for the life of your system. Our dedicated support team is available to assist you with any questions or issues you may encounter. For further assistance or to explore more Montavue products, please visit the [Montavue Store](#).

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question