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› [Amcrest UltraHD 4K \(8MP\) Outdoor Bullet Security IP PoE Camera \(Model IP8M-2496EB-V2\) Instruction Manual](#)

## Amcrest IP8M-2496EB-V2

# Amcrest UltraHD 4K (8MP) Outdoor Bullet Security IP PoE Camera

Model: IP8M-2496EB-V2

Brand: Amcrest

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your Amcrest UltraHD 4K (8MP) Outdoor Bullet Security IP PoE Camera. Please read these instructions carefully before using the product to ensure proper functionality and safety.

## WHAT'S IN THE BOX

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- Amcrest UltraHD 4K (8MP) Outdoor Bullet Security IP PoE Camera
- Quick Start Guide

*Note: PoE Injector or Switch required for Power Over Ethernet (not included, sold separately).*

## KEY FEATURES

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### UltraHD 4K (8MP) Resolution

Experience stunning ultra-high quality 4K (8-Megapixel / 3840x2160) resolution video. This camera provides four times the resolution of Full HD cameras, capturing clear and detailed footage.

# Experience **4K ULTRA-HD**

Amcrest 4K UltraHD cameras have four times the resolution of conventional Full HD cameras. With over 8 million pixels and our high efficiency H.265 video compression, you'll experience the best 4K UltraHD video quality.



Image: Visual comparison demonstrating the superior clarity of 4K UltraHD resolution over Full HD.

## Enhanced Night Vision & Low Light Capability

The camera features enhanced low light capability utilizing the latest CMOS image sensor and chipset. With a built-in IR LED and Starlight Technology, it achieves unsurpassed low-light performance and night-vision up to 98 feet (or 131 feet as per specifications).



Image: Amcrest 4K UltraHD PoE IP Camera highlighting its IP67 weatherproof housing, IR LED, and Starlight Technology for superior night vision.

Video: Official Amcrest video showcasing the key features of the 4K IP8M-2496E Bullet Camera, including its night vision capabilities.

## Super-Wide 125° Viewing Angle

A super-wide 125° viewing angle allows you to cover more ground and keep more of what matters to you safe. This wide field of view minimizes blind spots.

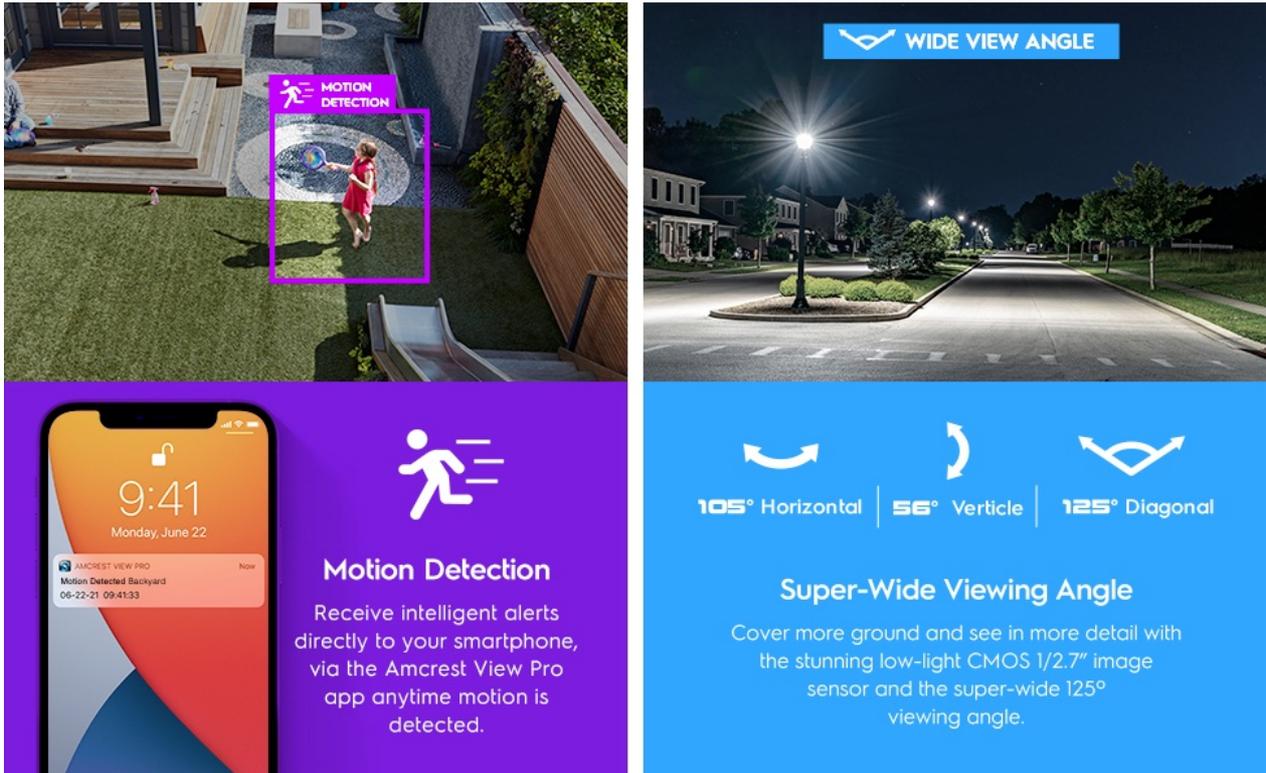


Image: Graphic illustrating the camera's motion detection capabilities and its super-wide 125-degree diagonal viewing angle.

## Power Over Ethernet (PoE)

Power Over Ethernet (PoE) simplifies installation by allowing both power and data to be transmitted over a single Ethernet cable. A PoE injector or switch is required (not included).



**RJ45**  
Ethernet Port

**12V**  
DC Power



Image: Close-up of the Amcrest camera's connection ports, highlighting the RJ45 Ethernet Port for PoE and the 12V DC Power input.

### Smarter Security with IVS Features

Receive motion alert notifications and review footage via your smartphone with the Amcrest View app. IVS Features include Tripwire, which triggers an event anytime a human or vehicle crosses a set line, and Intrusion, which alerts you anytime a human or vehicle crosses a defined intrusion area.



### Perimeter Protection

Create a virtual fence and trigger an event anytime motion is detected.

**Tripwire**  
Trigger an event anytime a human or vehicle crosses the set tripwire line.

**Intrusion**  
Be alerted anytime a human or vehicle crosses the intrusion area.



Image: Diagram showing how perimeter protection features like Tripwire and Intrusion detection zones can be set up for enhanced security.

### Flexible Storage Options

Record and store events on a MicroSD card (up to 256GB), local PC, NAS, Amcrest NVRs, or via FTP. The optional Amcrest Cloud remote video storage subscription service allows you to automatically store your videos off-site, accessible through a web-based interface or the AmcrestCloud smartphone app.

### Weatherproof IP67 Housing

Built to withstand various weather conditions, this 4K PoE IP Bullet Camera features a heavy-duty weatherproof IP67 housing, ensuring reliable operation day or night, rain or shine.



Image: Amcrest camera mounted outdoors, demonstrating its IP67 weatherproof rating by showing it functioning in the rain.

### Dual H.265/H.264 Compression

Dual H.265/H.264 compression allows for maximum encryption and efficient storage. H.265 (HEVC) technology reduces file size, resulting in more efficient storage and less bandwidth usage for your video stream, while maintaining backward compatibility with H.264 platforms.

## SETUP

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1. **Physical Installation:** Mount the camera in your desired outdoor location using appropriate hardware. Ensure the camera is securely fastened and positioned for optimal viewing.
2. **Network Connection:** Connect an Ethernet cable from your PoE injector or PoE switch to the camera's RJ45 Ethernet port. This single cable provides both power and data connectivity.
3. **Initial Configuration:** Access the camera's web interface via a computer connected to the same network. Use the Amcrest IP Config tool to find the camera's IP address. Follow the on-screen prompts to set up a secure password and configure basic network settings.
4. **Mobile App Setup:** Download the Amcrest View app from the App Store or Google Play. Create an account or log in, then add your camera by scanning the QR code on the camera or manually entering its

details.

## OPERATING THE CAMERA

### Using the Amcrest View App

- **Live View:** Open the Amcrest View app and select your camera to view live footage from anywhere.
- **Playback:** Access recorded footage stored on your MicroSD card, NVR, or Amcrest Cloud directly through the app.
- **Motion Alerts:** Enable motion detection and receive instant notifications on your smartphone when activity is detected. Customize detection zones and sensitivity settings.
- **Digital Zoom:** Utilize the 16x digital zoom feature to get a closer look at specific areas within the camera's view.



Model IP8M-2496EB-V2

**4K ULTRA HD**

### 8-Megapixel PoE Outdoor Security Bullet IP Camera

with Perimeter Protection



## Technical Specifications

### CAMERA

Image Sensor 1/2.7" CMOS Sensor  
UHD Resolution Up to 4K UltraHD  
(3840x2160) at 15fps  
Night Vision Up to 98.4 feet  
Wide Dynamic Range 120dB True WDR

### LENS

Lens Type 2.8mm  
Field of View H: 105° V: 56° D: 125°

### CONNECTION

Power over Ethernet  
RJ-45 (10/100Base-T)

### VIDEO

Compression H.265 / H.264  
Frame Rate Main Stream:  
4K (1-15fps), 4MP (1-25fps)

### MOBILE VIEWING

iOS and Android Devices

### STORAGE

MicroSD (Up to 256GB)  
Local PC - NAS - FTP - Amcrest NVR  
- Amcrest Cloud

### CONSTRUCTION

Weatherproof IP67, Metal  
Operating Temperature -40°F - 140°F  
Dimensions 6.54 x 2.76in  
Weight 1.1 lbs

Image: A smartphone screen showing the Amcrest View Pro app interface, displaying multiple live camera views and a list of motion alert notifications.

### PC/Mac Access

View live feeds and playback recordings professionally on a PC or Mac using Amcrest Surveillance Pro or Blue Iris Professional software. The camera is also compatible with various web browsers (IE, Safari, Firefox

49.0, and Chrome with Amcrest Web View Extension).

## MAINTENANCE

- **Regular Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features. Updates are typically available through the Amcrest website or app.
- **Cable Inspection:** Inspect the Ethernet cable and connections periodically for any signs of wear or damage, especially in outdoor environments.

## TROUBLESHOOTING

- **No Power:** Ensure the PoE connection is secure and the PoE injector/switch is powered on. Verify the Ethernet cable is functioning correctly.
- **No Video/Offline:** Check network connectivity. Ensure the camera's IP address is correct and accessible on your network. Restart the camera and your router/switch.
- **Poor Image Quality:** Clean the camera lens. Ensure there are no obstructions in the field of view. Check network bandwidth if streaming is choppy.
- **Motion Alerts Not Working:** Verify motion detection settings in the app or web interface. Ensure notification settings are enabled on your device.

## SPECIFICATIONS

Feature	Specification
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	4K (3840x2160)
Effective Video Resolution	8 MP
Power Source	Power Over Ethernet
Connectivity Protocol	Ethernet
Mounting Type	Wall Mount
Lens	2.8mm
Viewing Angle	125 Degrees (Diagonal)
Night Vision Range	Up to 131 Feet
International Protection Rating	IP67 (Weatherproof)
Video Compression	H.265/H.264
Storage	MicroSD (Up to 256GB), NAS, NVR, FTP, Amcrest Cloud

Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Material	Metal

## WARRANTY AND SUPPORT

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This Amcrest PoE camera features a secure SSL/HTTPS connection, FCC and CE certificates, and receives regular firmware updates. At Amcrest, we are committed to ensuring the safety of our customers. You will receive a full 1-year US Warranty and Lifetime Support provided directly from Amcrest.

Video: Official Amcrest video highlighting the brand's commitment to simple, reliable, and secure products, emphasizing warranty and support.