

## Axis Communications M3086-V

# AXIS M3086-V 4 Megapixel Indoor Network Camera User Manual

Model: M3086-V | Brand: Axis Communications

## 1. INTRODUCTION AND OVERVIEW

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The AXIS M3086-V is a fixed 4 MP mini dome network camera designed for indoor surveillance. This compact and cost-efficient camera delivers high-quality images even in challenging light conditions, making it suitable for various indoor environments such as hallways, living rooms, and study areas.

Equipped with a deep learning processing unit, the M3086-V supports advanced analytics, including AXIS Object Analytics, which comes preinstalled. This enables efficient forensic search capabilities by focusing on objects of interest and providing valuable metadata. The camera is designed for discreet installation and offers robust protection against environmental factors.



Figure 1: Front view of the AXIS M3086-V mini dome camera, showing its compact, white dome design with a dark lens.

## 2. KEY FEATURES

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- **High Image Quality:** Delivers 4 MP resolution (up to 2688 x 1512) for real-time surveillance. Features a RGB CMOS sensor for clear and detailed output.
- **Advanced Light Handling:** Incorporates Wide Dynamic Range (WDR) for clarity in scenes with both dark and light areas, and Lightfinder for sharp, color images in low light conditions.
- **Wide-Angle View:** Offers a 130° wide-angle view, providing extensive coverage.
- **Deep Learning Analytics:** Supports intelligent analytics based on deep learning on the edge, with preinstalled AXIS Object Analytics for detecting objects of interest.
- **Compact and Discreet Design:** Mini dome form factor allows for flexible and discreet installation, suitable for various indoor settings.
- **Robust Construction:** Vandal-resistant design protects against redirection, defocusing, dust, and dripping water (IP65 rated).
- **Efficient Data Management:** Features Axis Zipstream with H.264/H.265 for reduced bandwidth and storage requirements, and edge storage for direct recording to an onboard memory card.
- **Enhanced Cybersecurity:** Axis Edge Vault protects the device ID and simplifies authorization on the network.
- **Power over Ethernet (PoE):** Simplifies installation by providing power and data through a single Ethernet cable.
- **Factory-Focused Lens:** Comes factory-focused, eliminating the need for manual focusing.

### 3. PACKAGE CONTENTS

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Information regarding the exact included components is not available. Typically, the package for the AXIS M3086-V camera includes:

- AXIS M3086-V Network Camera unit
- Installation guide or documentation
- Mounting accessories (e.g., screws, wall plugs)
- Template for drilling (if applicable)

Please check the product packaging for a complete and accurate list of contents.

### 4. SETUP AND INSTALLATION

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The AXIS M3086-V is designed for straightforward installation, particularly for ceiling mount applications.

#### 4.1 Mounting the Camera

1. **Select Location:** Choose a suitable indoor location for surveillance, such as a hallway, living room, or study. Ensure the location allows for optimal viewing angle and network connectivity.
2. **Prepare Mounting Surface:** For ceiling mount, use the provided template (if available) to mark drilling points. Drill pilot holes as necessary.
3. **Attach Mounting Plate:** Secure the camera's mounting plate to the ceiling using appropriate screws.
4. **Connect Network Cable:** Connect an Ethernet cable (PoE enabled) to the camera's network port. This cable will provide both power and data.
5. **Attach Camera Unit:** The camera features a bayonet-fitted casing. Align the camera unit with the mounting plate and twist it into place until it locks securely.



Figure 2: Angled view of the AXIS M3086-V camera, highlighting its dome and the base designed for mounting.

## 4.2 Initial Configuration

- **Power On:** Once connected via PoE, the camera will power on automatically.
- **Network Access:** The camera is designed for wired connectivity. Ensure it is connected to your network.
- **Access Camera Interface:** Use the Axis IP Utility or a web browser to discover the camera on your network and access its web interface. Follow the on-screen prompts for initial setup, including setting a strong password.
- **Focus:** The camera comes factory-focused, so manual focusing is not required.
- **App Control:** For convenient control and monitoring, download the official Axis mobile application (control method: App) from your device's app store and follow the instructions to add your camera.

## 5. OPERATING INSTRUCTIONS

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The AXIS M3086-V offers various functionalities for effective surveillance.

### 5.1 Live View and Recording

- **Access Live View:** Access the camera's live video feed through its web interface or the mobile application.
- **Recording:** Configure recording settings via the web interface. The camera supports edge storage, allowing direct recording to an onboard memory card (sold separately). You can set up continuous recording, scheduled recording, or event-triggered recording.
- **Video Format:** Recorded video is typically in MP4 format.

### 5.2 Motion Detection and Analytics

- **Motion Only Alerts:** The camera supports motion-only alert types. Configure motion detection zones and sensitivity in the camera's settings.
- **AXIS Object Analytics:** Utilize the preinstalled AXIS Object Analytics for intelligent detection. This feature helps distinguish between different types of objects and reduces false alarms. Refer to the camera's online documentation for detailed configuration of analytics rules.
- **Event Actions:** Set up actions to be triggered upon detection, such as sending notifications, starting recordings, or uploading video clips.

### 5.3 Cybersecurity Features

- **Axis Edge Vault:** This feature protects your Axis device ID and simplifies the authorization process for Axis devices on your network, enhancing overall security.
- **Firmware Updates:** Regularly check for and install firmware updates from the Axis Communications website to ensure the camera has the latest security patches and features.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your AXIS M3086-V camera.

### 6.1 Cleaning

- **Exterior Cleaning:** The camera is protected against dust and dripping water (IP65 rated). For general cleaning, gently wipe the exterior casing and dome with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Lens Cleaning:** For the lens, use a lens cleaning solution and a microfiber cloth specifically designed for optical surfaces. Do not apply excessive pressure.
- **Frequency:** Clean the camera periodically, or more frequently in dusty environments, to ensure clear image quality.

### 6.2 Firmware Updates

- Regularly check the Axis Communications support website for new firmware versions.
- Download and install updates according to the instructions provided by Axis to maintain optimal performance, security, and access to new features.

## 7. TROUBLESHOOTING

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This section provides solutions to common issues you might encounter with your AXIS M3086-V camera.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                          | Possible Cause  | Solution  |
|----------------------------------|---|---|
| No image or video feed           | No power (PoE issue)<br>Network cable disconnected or faulty<br>Incorrect IP address or network configuration                 | Verify PoE switch/injector is active and providing power.<br>Check Ethernet cable connections at both ends.<br>Use Axis IP Utility to find the camera's IP address and ensure it's on the same network segment.   |
| Blurry or unclear image          | Dirty lens or dome cover<br>Poor lighting conditions<br>Camera not factory-focused (unlikely, but possible if tampered with)  | Clean the lens and dome cover as per maintenance instructions.<br>Ensure adequate lighting in the surveillance area. The camera has WDR and Lightfinder for challenging light.<br>The camera is factory-focused; if image is blurry, check for physical damage or obstructions.                         |
| Cannot access camera via network | Network connectivity issues<br>Firewall blocking access<br>Incorrect login credentials<br>Axis Edge Vault authorization issue | Verify network cable and router/switch status.<br>Check firewall settings on your computer and network.<br>Ensure correct username and password. Reset if forgotten (refer to Axis documentation for reset procedure).<br>Ensure the camera is properly authorized on your network via Axis Edge Vault. |
| Recordings not saving            | No memory card inserted or faulty card<br>Insufficient storage space<br>Recording settings incorrect                          | Insert a compatible memory card. Check card health.<br>Delete old recordings or replace with a larger capacity card.<br>Review recording schedules and event triggers in the camera's web interface.  |

## 8. TECHNICAL SPECIFICATIONS

| Specification            | Detail  |
|--------------------------|---|
| Brand                    | Axis Communications                               |
| Model Number             | M3086-V   |
| Model Name               | M30   |
| Connectivity Protocol    | Wi-Fi (for control, wired for primary data/power) |
| Mounting Type            | Ceiling Mount                                     |
| Video Capture Resolution | 4 MP (2688 x 1512)                                |
| Color                    | White   |
| Number of Channels       | 4   |
| Installation Type        | Mini Dome   |
| Wattage                  | 3.7 watts   |
| Item Weight              | 18.14 g (0.64 ounces)                             |

| Specification                   | Detail   |
|---------------------------------|--|
| Focus Type                      | Manual Focus <i>(Note: Product description states factory-focused, this spec might be generic)</i> |
| Alert Type                      | Motion Only  |
| Room Type                       | Hallway, Living Room, Study Room possibility   |
| Video Capture Format            | MP4  |
| Photo Sensor Technology         | CMOS   |
| Effective Still Resolution      | 4 MP   |
| International Protection Rating | IP65   |
| Maximum Webcam Image Resolution | 4 MP   |
| Control Method                  | App  |
| Manufacturer                    | AXIS - CAMERA  |
| Part Number                     | 02374-001  |
| Indoor/Outdoor Usage            | Indoor, Outdoor <i>(Note: Product description emphasizes indoor use)</i>                           |
| Power Source                    | Information Not Available (Typically PoE)  |

*Note: Some specifications may vary slightly or be subject to updates. Always refer to the official product documentation for the most accurate and up-to-date information.*

## 9. WARRANTY AND SUPPORT

Information regarding the specific warranty description for the AXIS M3086-V is not available in the provided details. For comprehensive warranty information, please refer to the official Axis Communications website or the warranty card included with your product.

### 9.1 Technical Support











For technical assistance, troubleshooting beyond this manual, or inquiries about product functionality, please contact Axis Communications customer support. Visit their official website for contact details, support resources, and frequently asked questions.

**Axis Communications Official Website:** [www.axis.com](http://www.axis.com)

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This manual is for informational purposes only. Specifications are subject to change without notice.

### Related Documents - M3086-V

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|--|---|
| <div><p>Serie de cámaras tipo domo AXIS M30</p><p>AXIS M3045-V Dome Camera<br/>AXIS M3046-V Dome Camera<br/>AXIS M3048-V Dome Camera</p><p>Manual del usuario</p></div>  | <p><a href="#">Manual del usuario de cámaras tipo domo AXIS M30</a></p> <p>Guía completa para la instalación, configuración y uso de las cámaras tipo domo AXIS M30, incluyendo detalles sobre imagen, vídeo, audio, aplicaciones y ciberseguridad.</p>   |
| <div><p>Product comparison tables</p><p>AXIS</p></div>   | <p><a href="#">AXIS Product Comparison Tables Q3 2025: Network Video, Audio, Access Control, and Intercoms</a></p> <p>This Q3 2025 document from Axis Communications provides comprehensive product comparison tables for their extensive range of network video, audio, access control, and intercom solutions. It details specifications, features, and model information across various product lines, including cameras, recorders, software, and intercom systems.</p> |
| <div><p>AXIS P3265-LVE Dome Camera</p><p>Installation Guide</p></div>  | <p><a href="#">AXIS P3265-LVE Dome Camera Installation Guide</a></p> <p>This guide provides detailed instructions for the installation of the AXIS P3265-LVE Dome Camera, covering safety information, legal considerations, and step-by-step assembly.</p>   |
| <div><p>Product comparison tables</p><p>AXIS</p></div>  | <p><a href="#">Axis Product Comparison Tables Q3 2025: Network Video, Audio, Access Control, and Intercoms</a></p> <p>This comprehensive Q3 2025 product comparison tables document from Axis Communications details specifications and features for their network video, audio, access control, and intercom solutions.</p>  |
| <div><p>AXIS TP3201-E Recessed Mount</p><p>Installation Guide</p></div>  | <p><a href="#">AXIS TP3201-E Recessed Mount Installation Guide</a></p> <p>This guide provides instructions for installing the AXIS TP3201-E Recessed Mount, including safety information, legal considerations, and step-by-step assembly procedures for compatible AXIS camera models.</p>   |
| <div><p>AXIS P14 and AXIS Q19 Camera Series</p><p>AXIS P1445-V Network Camera<br/>AXIS P1446-V Network Camera<br/>AXIS P1447-V Network Camera<br/>AXIS P1448-V Network Camera<br/>AXIS Q1901-T Thermal Camera<br/>AXIS Q1902-T Thermal Camera</p><p>Repainting Instructions</p></div> | <p><a href="#">AXIS P14 and AXIS Q19 Camera Series Repainting Instructions</a></p> <p>Detailed instructions for repainting AXIS P14 and AXIS Q19 camera series, including preparation, disassembly, masking, repainting, and reassembly.</p>  |