

Amcrest IP2M-841W

Amcrest 1080P WiFi Security Camera User Manual

Model: IP2M-841W

Brand: Amcrest

1. INTRODUCTION AND OVERVIEW

The Amcrest 1080P WiFi Security Camera (Model: IP2M-841W) is a 2MP indoor pan/tilt wireless IP camera designed for enhanced home and business security. It offers real-time Full-HD 1080P video at 30 frames per second, superior low-light performance, and a wide 90° viewing angle. Key features include two-way audio, remote pan/tilt and digital zoom, motion alert notifications, and flexible storage options.

This manual provides detailed instructions for setting up, operating, and maintaining your Amcrest security camera, along with troubleshooting tips and product specifications.



Figure 1: Front view of the Amcrest 1080P WiFi Security Camera.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Amcrest ProHD 2MP Indoor Wireless Security Camera White (IP2M-841W)
- 1 x 5V Power Supply White
- 1 x Cat5 Ethernet Cable

- 1 x Mount White
- Quick Start Guide & User Manual (This HTML document serves as the user manual)

3. FEATURES

- **High Performance, Real-Time, True HD:** Experience full-HD 1080P video at 30fps with enhanced low light capability using the Sony Exmor IMX323 image sensor and Ambarella S2LM chipset.
- **Extra-Wide 90° Viewing Angle:** Cover more ground with a wide viewing angle, complemented by remote pan/tilt and digital zoom capabilities.
- **Smarter Security:** Receive motion alert notifications, review footage, and engage in two-way communication via the Amcrest View app on your smartphone.
- **Flexible Recording Options:** Playback and record professionally on a PC using Amcrest Surveillance Pro (Windows/MAC) or Blue Iris Professional. Supports Amcrest Cloud remote video storage, MicroSD card (up to 256GB), Amcrest NVRs, Synology and QNAP NAS, and FTP.
- **Day or Night, Quality Assured:** Equipped with a Sony Exmor 1/2.7" 2.07MP image sensor and built-in IR LEDs for industry-leading 1080P night vision up to 32 feet.
- **Secure Connectivity:** Features a secure SSL/HTTPS connection, wireless AES/WPA2 encryption, FCC and UL camera certificates, and a UL compliant power supply.
- **Privacy Mode:** Ability to disable video and audio recordings when privacy is desired.
- **Smart Tracking:** Automatically records and follows moving objects using the built-in pan and tilt auto-tracking feature.

1080P FULL-HD

Wi-Fi

PAN TILT

SMART TRACKING





Premium Pro-HD
Stream, record and playback in 1080P Full-HD resolution at 30fps.



Privacy Mode
Disable video and audio recordings while you're at home or when you need it most.



Smart Tracking
Automatically record and follow moving objects with the Pan & Tilt motorized lens.



AUDIO DETECTION
Recieve an alert and communicate with loved ones or visitors using the built-in speaker and mic.



WIDE ANGLE LENS
Cover more ground with the extra wide 90° angle and watch what you love.



HEVC COMPRESSION
Save storage and bandwidth using Smart Codec technology.



FLEXIBLE STORAGE
Store videos on a MicroSD (up to 256GB), Local PC, NAS, Amcrest NVR or Amcrest Cloud.
*MICROSD CARD NOT INCLUDED


Discover more at amcrest.com

Figure 2: Key features of the Amcrest camera.

Track what you want, when you want

Automatically record and follow moving objects using the new built-in pan and tilt auto-tracking feature.



360° PAN



90° TILT



AUTO-TRACKING



Figure 3: Pan, Tilt, and Auto-Tracking capabilities.

Talk & Listen with Two-Way Audio

Broadcast crystal clear audio using the powerful embedded speaker, and listen in on what's important with an integrated noise-canceling microphone.



Figure 4: Two-Way Audio functionality.

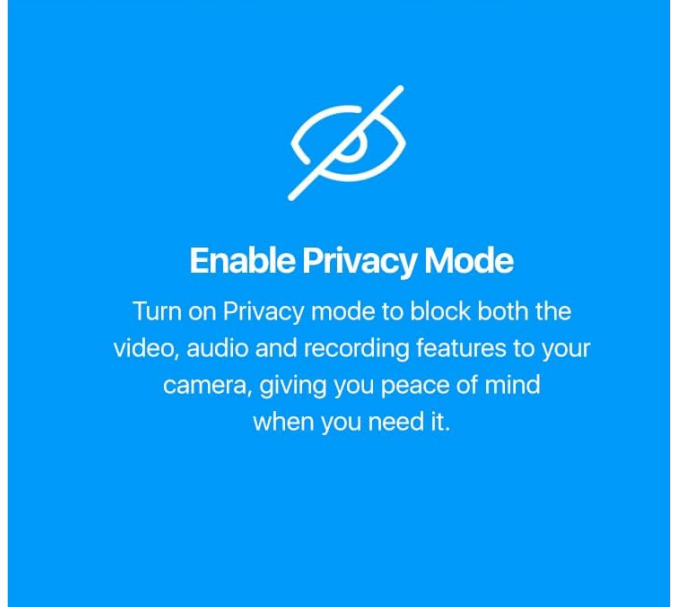
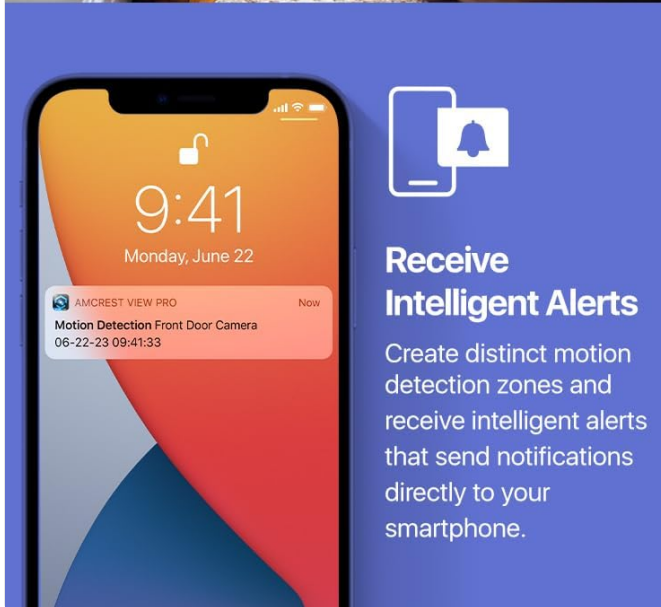
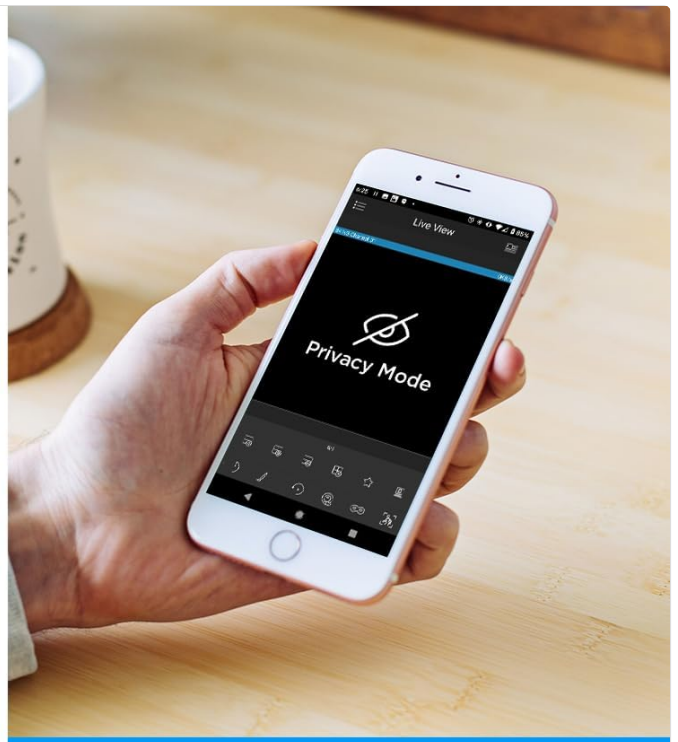


Figure 5: Intelligent Alerts and Privacy Mode features.

4. SETUP GUIDE

Setting up your Amcrest camera is designed to be straightforward. Follow these steps for initial configuration:

1. **Power On:** Connect the provided 5V power supply to the camera and plug it into a power outlet. The camera will initiate its startup sequence.
2. **Download Amcrest View Pro App:** On your smartphone (iOS or Android), download and install the "Amcrest View Pro" application from your device's app store. This app is essential for camera setup and remote viewing.
3. **Connect to Wi-Fi:**
 - Open the Amcrest View Pro app.
 - Follow the in-app instructions to add a new device. You will typically be prompted to scan the QR code located on the bottom of your camera.

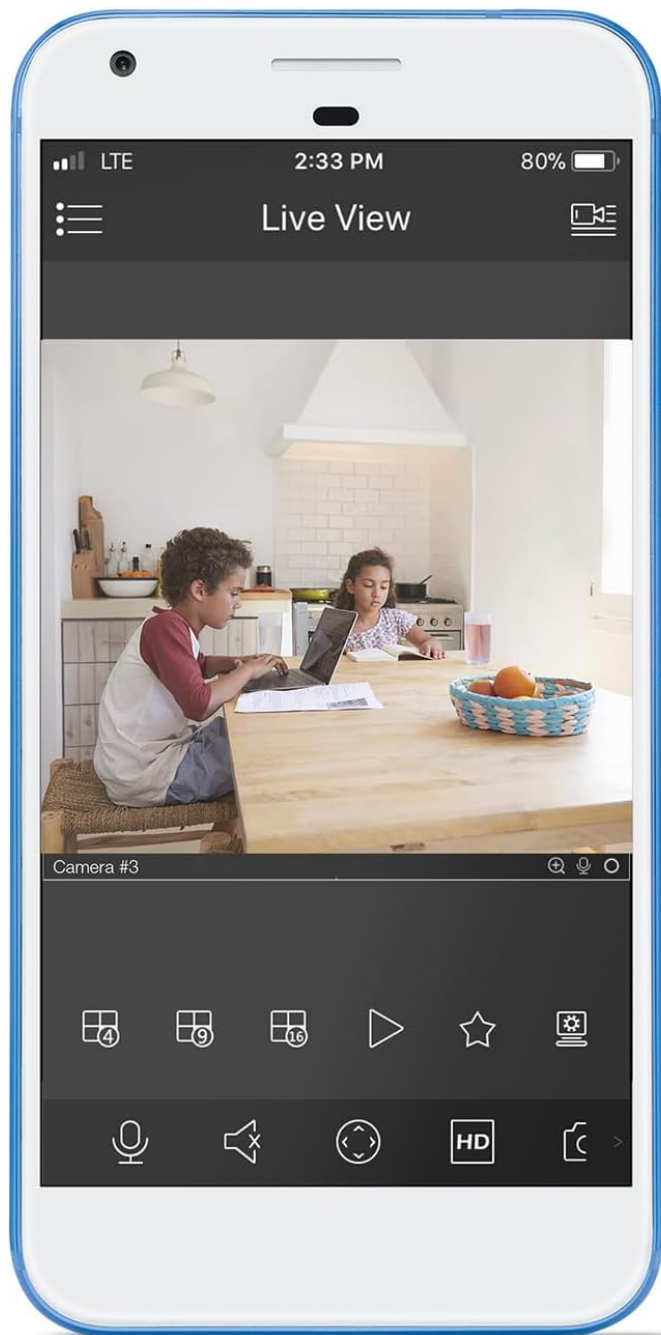
- Ensure your smartphone is connected to a 2.4 GHz Wi-Fi network, as the camera only supports 2.4 GHz.
- The app will guide you through connecting the camera to your home Wi-Fi network.

4. **Optional Ethernet Connection:** For a wired connection, plug one end of the included Cat5 Ethernet cable into the camera's Ethernet port and the other end into your router or network switch. The camera will automatically detect the wired connection.
5. **Mounting:** Use the provided mount to position your camera in the desired indoor location. Ensure it has a clear line of sight to the area you wish to monitor.

For a visual guide on mobile app setup, please refer to the official video below:

Your browser does not support the video tag.

Video 1: WiFi Mobile App Setup for Amcrest ProHD 2MP PTZ WiFi IP Camera (IP2M-841B). This video demonstrates the step-by-step process of setting up the camera using the mobile application, including connecting to Wi-Fi.



Amcrest View Pro



Free **Amcrest View Pro** app available on mobile devices.



NEVER MISS A MOMENT.



MONITOR WHAT MATTERS.



ALWAYS STAY ALERT.



ACCESS FROM ANYWHERE.

Figure 6: The Amcrest View Pro app interface for live viewing and control.

5. OPERATING INSTRUCTIONS

Once your camera is set up, you can utilize its various functions through the Amcrest View Pro app or compatible desktop software.

5.1 Live View and Pan/Tilt Control

- Open the Amcrest View Pro app and select your camera from the device list.
- Use the on-screen controls to remotely pan (horizontal movement) and tilt (vertical movement) the camera lens to adjust the viewing area.
- Digital zoom can be used to magnify specific areas of the live feed.

5.2 Two-Way Audio

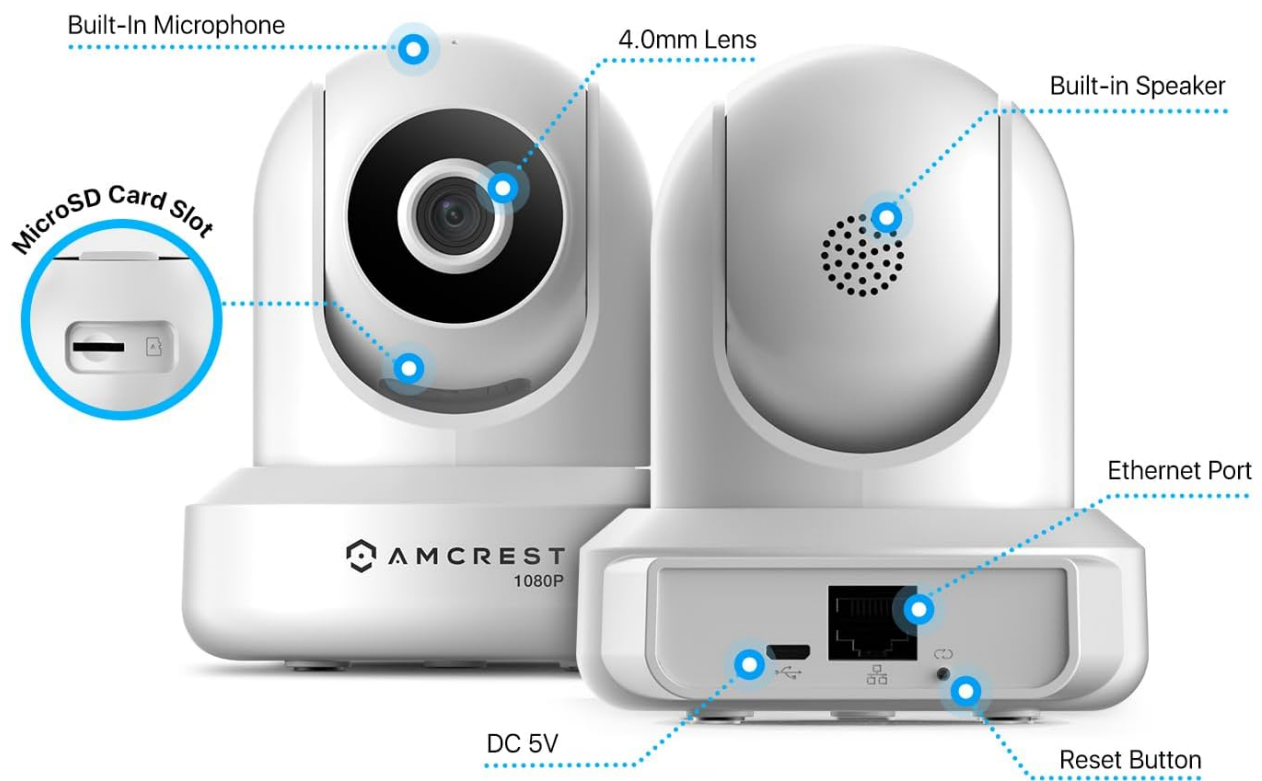
- From the live view screen in the app, tap the microphone icon to speak through the camera's built-in speaker.
- Tap the speaker icon to listen to audio from the camera's environment.

5.3 Motion Detection and Alerts

- Configure motion detection zones and sensitivity settings within the Amcrest View Pro app.
- When motion is detected, the camera can send push notifications to your smartphone and/or email alerts with snapshots.

5.4 Recording and Playback

- **MicroSD Card:** Insert a MicroSD card (up to 256GB, FAT32 format recommended for 64GB+ cards) into the camera's slot for local storage. Recordings can be accessed and played back via the app.
- **Amcrest Cloud:** Subscribe to Amcrest Cloud for secure off-site video storage and easy access from anywhere.
- **NVR/NAS/FTP:** For advanced users, the camera supports recording to Amcrest NVRs, Synology/QNAP NAS devices, or FTP servers. Refer to specific software documentation for configuration.



Flexible Storage Options

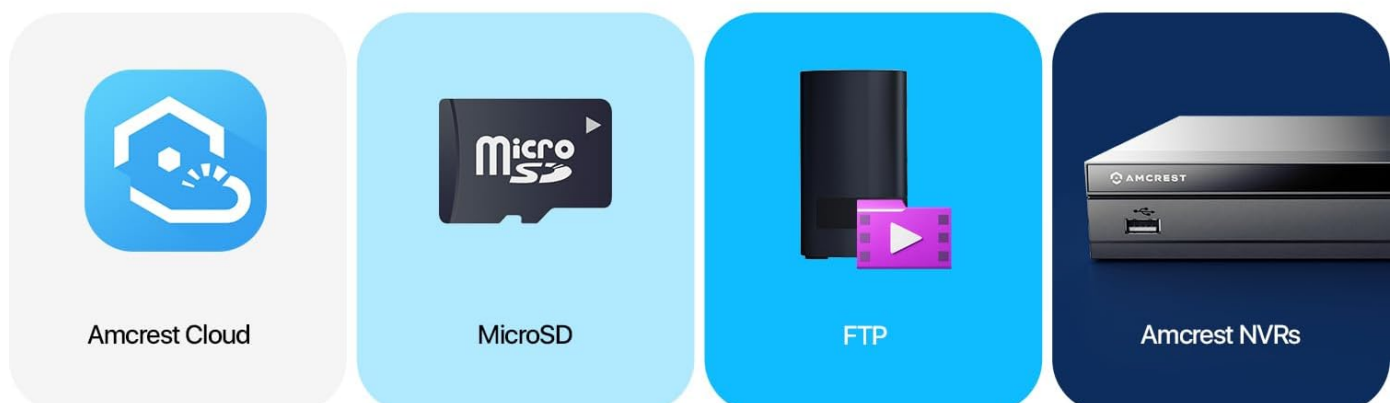


Figure 7: Various flexible storage options for your camera recordings.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Amcrest camera:

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface or lens.
- **Firmware Updates:** Regularly check for and install firmware updates through the Amcrest View Pro app or Amcrest website. Updates often include performance improvements, new features, and security enhancements.
- **Environmental Considerations:** This camera is designed for indoor use only. Do not expose it to outdoor elements, high humidity, or extreme temperatures, as this can cause damage and void the warranty.
- **Power Supply:** Use only the original 5V power supply provided with the camera to prevent electrical damage.

7. TROUBLESHOOTING

If you encounter issues with your Amcrest camera, refer to the following common troubleshooting steps:

- **Camera Not Connecting to Wi-Fi:**

- Ensure your Wi-Fi network is 2.4 GHz. The camera does not support 5 GHz networks.
- Verify that your smartphone is connected to the same 2.4 GHz network during setup.
- Check your Wi-Fi password for accuracy.
- Move the camera closer to your Wi-Fi router to improve signal strength.
- Try restarting both your camera and your router.

- **Poor Picture Quality / Night Vision Issues:**

- Ensure the camera lens is clean and free from dust or smudges.
- Check for obstructions in front of the lens, especially for night vision (e.g., reflections from a window).
- Verify that the camera's firmware is up to date.

- **Two-Way Audio Noise/Echo:**

- Avoid placing the camera too close to walls or other reflective surfaces that might cause echo.
- Do not leave both the microphone and speaker active simultaneously for extended periods, as this can create feedback.

- **MicroSD Card Not Recording or Recognized:**

- Ensure the MicroSD card is inserted correctly.
- Format the MicroSD card using the camera's settings in the Amcrest View Pro app.
- For cards 64GB or larger, ensure they are formatted to FAT32 using a third-party tool on a computer if the camera's formatting utility does not work.
- Test with a different MicroSD card to rule out card malfunction.

- **App Connectivity Issues (Amcrest View Lite vs. Pro):**

- If experiencing issues with "Amcrest View Lite", switch to the "Amcrest View Pro" app for improved stability and features.

- **Camera Not Responding:**

- Unplug the power adapter, wait 10 seconds, and plug it back in to restart the camera.
- If the issue persists, locate the reset button on the camera (refer to Figure 8 for location) and press and hold it for 10-15 seconds to perform a factory reset. Note that a factory reset will erase all settings and recordings.



1080P FULL-HD **Wi-Fi**

Indoor Security Pan/Tilt IP Camera

MODEL: IP2M-841W-V3



Technical Specifications

CAMERA

Image Sensor 1/2.7" 2MP CMOS Sensor
HD Resolution 1080P Full-HD
(1920 x 1080) @ 30FPS
Night Vision Up to 32 ft

LENS

Focal Length 4.0mm (Fixed)
Field of View 90°
Pan/Tilt 360° Pan, 90° Tilt

AUDIO

Two-Way Audio Built-in Mic & Speaker

VIDEO

Compression H.265 / H.264
Frame Rate Mainstream:
2MP (1 - 25/30fps)

STORAGE

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

MOBILE VIEWING

Amcrest Cloud App,
Amcrest View Pro App
iOS and Android Devices

CONNECTION

Wi-Fi (802.11b/g/n)
Ethernet RJ-45 (10/100Base-T)

CONSTRUCTION

Operating Temperature 14°F - 113°F
Dimensions 4.1" x 4.0" x 4.7"
Weight 2.2 lbs

Figure 8: Technical diagram highlighting the reset button and ports.

8. SPECIFICATIONS

Category	Specification
Model Name	IP2M-841W
Video Capture Resolution	1080p Full-HD (1920x1080)
Frame Rate	30 fps
Image Sensor	Sony Exmor IMX323 (1/2.7" 2.07MP CMOS)
Viewing Angle	90 Degrees (Fixed 4.0mm Lens)

Category	Specification
Pan/Tilt Range	360° Pan, 90° Tilt
Night Vision Range	Up to 32 Feet (with built-in IR LEDs)
Audio	Two-Way Audio (Built-in Mic & Speaker)
Connectivity	Wi-Fi (802.11b/g/n 2.4 GHz only), Ethernet (RJ-45 10/100Base-T)
Storage Options	MicroSD (Up to 256GB), Local PC, NAS, Amcrest NVR, Amcrest Cloud, FTP
Power Source	5V DC
Dimensions (L x W x H)	4 x 3.9 x 4.5 inches (Dome Dimensions) / 7.7 x 5.8 x 5.1 inches (Item dimensions)
Weight	0.6 lbs (Dome Weight) / 8 ounces (Item Weight)
Indoor/Outdoor Usage	Indoor Only

9. WARRANTY AND SUPPORT

Amcrest products are designed for reliability and ease of use. This product comes with a **1-YEAR US WARRANTY** and **LIFETIME SUPPORT** provided directly by Amcrest.

Amcrest cameras feature secure SSL/HTTPS connections, FCC and CE certificates, and receive regular firmware updates to ensure safety and performance.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Amcrest customer support directly. Refer to the official Amcrest website for the most current support contact information.

ASK A QUESTION ABOUT THIS MANUAL

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