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> [IMILAB CMSXJ16A 1080p 360-Degree Smart Home Security Camera User Manual](#)

XIAOMI CMSXJ16A

IMILAB CMSXJ16A 1080p 360-Degree Smart Home Security Camera

User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the IMILAB CMSXJ16A Smart Home Security Camera, a product of XIAOMI. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and security monitoring. Please read this manual carefully before using the product and retain it for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

Verify that all items are present in the package:

- IMILAB Home Security Camera Basic x 1
- Instruction Manual x 1
- Power Cable x 1
- Power Adapter (UK/EU/US) x 1
- Wall Mounting Package x 1 (includes screws and wall plugs)

Packaging include



Image: Contents of the IMILAB CMSXJ16A camera package.

2.2 Camera Components

The IMILAB CMSXJ16A camera features a compact, spherical design with a rotating base for 360-degree coverage. Key components include the lens, microphone, speaker, status indicator light, and power port.



Image: Front view of the IMILAB CMSXJ16A camera.

2.3 Key Features

- **FHD (1080P) Resolution:** Provides clear and detailed image quality.
- **360° Rotation:** Offers panoramic viewing for comprehensive area coverage.
- **Glare-Free Night Vision:** Equipped with F2.1 aperture and 8x 940nm infrared LEDs for a visible distance of 10m.
- **True Color Night Vision:** Maintains full color in low light conditions, even at 100 lumens.
- **AI Human Detection:** Advanced AI reduces unnecessary alerts by 70% for more accurate notifications.
- **Crying Baby Notification:** Alerts you to the sound of a crying baby.
- **Multiple Storage Options:** Supports cloud storage, up to 64GB Micro TF card, and NAS storage.
- **H.265 Video Encoding:** Efficiently compresses video, saving storage space while maintaining quality.

3. SETUP

3.1 Powering On

1. Connect the power cable to the camera's power port.

2. Plug the power adapter into a standard electrical outlet.
3. The camera will power on, and the status indicator light will begin to flash, indicating it is ready for connection.

3.2 App Installation

Download the official IMILAB Home Security app from your smartphone's app store. The app is compatible with Android 4.4 and above, and iOS 8.0 and above.

1. Search for "IMILAB Home Security" in the Google Play Store (for Android) or Apple App Store (for iOS).
2. Download and install the app.
3. Open the app and follow the on-screen instructions to create an account or log in.

3.3 Connecting to Wi-Fi

Follow the in-app instructions to connect your camera to your home Wi-Fi network. This typically involves scanning a QR code generated by the app with the camera's lens.

3.4 Mounting the Camera

The camera supports wall mounting. Use the provided wall mounting package for secure installation.

1. Choose a suitable location for mounting, ensuring a clear field of view and access to a power outlet.
2. Use the mounting base as a template to mark drill holes on the wall.
3. Drill holes and insert the wall plugs.
4. Secure the mounting base to the wall with screws.
5. Attach the camera to the mounting base.

4. OPERATING INSTRUCTIONS

4.1 Live View and Remote Control

Once connected, open the IMILAB Home Security app to access the live video feed from your camera. You can remotely control the camera's 360-degree rotation to view different areas of your space.

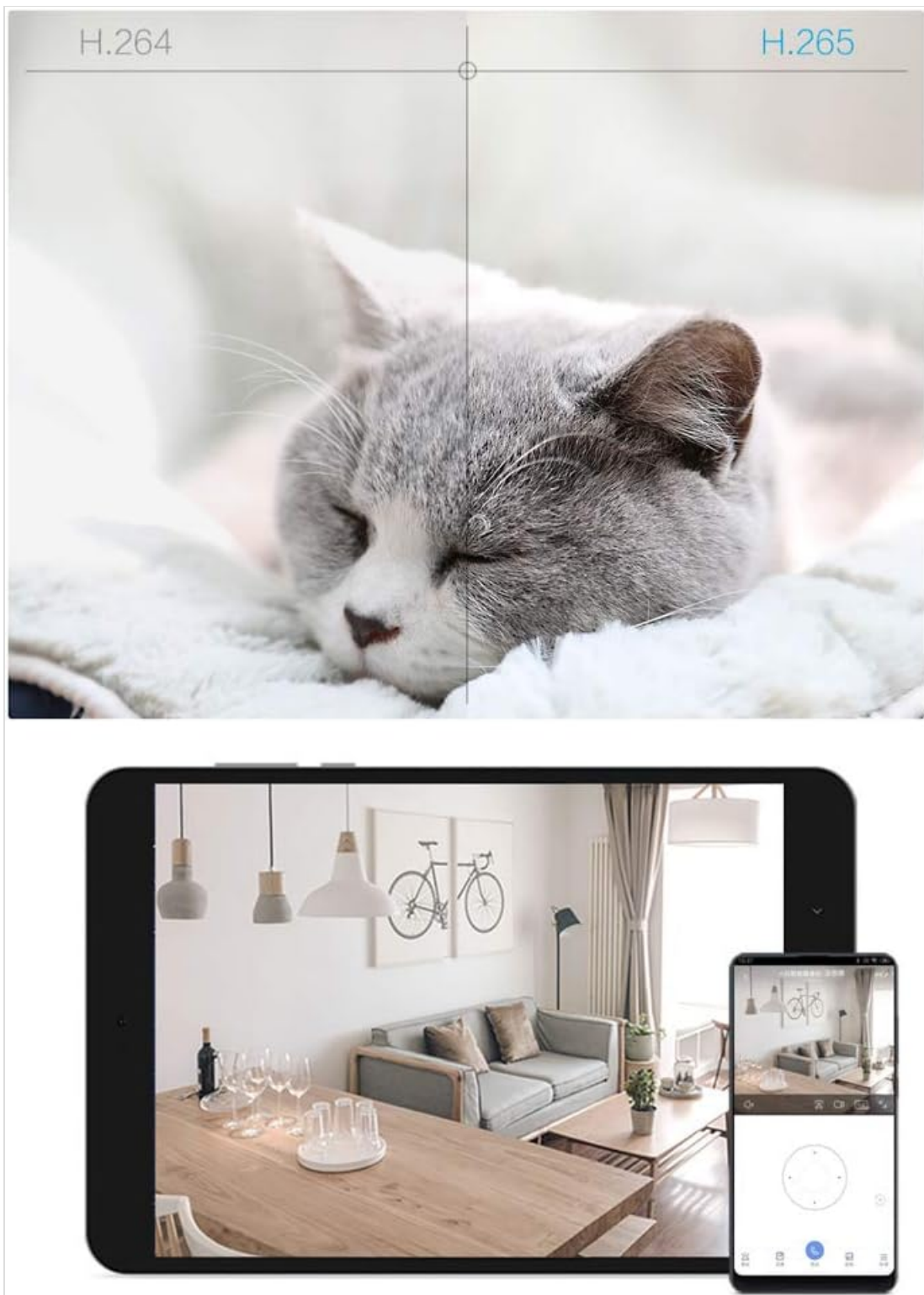


Image: Live view of the camera feed on mobile devices, demonstrating H.265 encoding efficiency.

4.2 Night Vision

The camera automatically switches to night vision mode in low light conditions. It features glare-free infrared night vision and true color night vision for clear visibility even in very dim environments.

Night Vision



2nd Generation Night Vision without glare

F2.1 aperture, 8pcs 940mm infrared LED, 10M distance

Color Night Vision



True Color night vision in low light

Keep full color in even in 100 lumens.

Image: Demonstration of glare-free and true color night vision capabilities.

4.3 AI Human Detection and Notifications

The camera utilizes AI to detect human movement, significantly reducing false alarms from pets or other non-human movements. You will receive precise notifications on your smartphone when human activity is detected.

AI movement notification

Human notification, Transfer much effective

AI filter with data deep digging, can reduce 70% useless warning and video transfer, more accurate.



H.265

H.265 Video encoding

100%↑

50%↓

H.265 encoding can save and transfer same quality video with 50% Size.

Image: AI movement notification interface in the mobile application.

4.4 Crying Baby Detection

Enable the crying baby detection feature in the app to receive alerts if the camera detects the sound of a baby crying, providing an additional layer of monitoring for nurseries.

4.5 Video Recording and Storage

The camera supports real-time video recording with multiple storage options:

- **Cloud Storage:** Subscribe to cloud services for secure off-site storage of your recordings.
- **Micro TF Card:** Insert a Micro TF card (up to 64GB, not included) into the camera for local storage.
- **NAS Storage:** Connect the camera to a Network Attached Storage (NAS) device for expanded local storage capabilities.

4.6 H.265 Video Encoding

The camera uses H.265 video encoding, which allows for more efficient compression of video files. This means you can save the same quality video with approximately 50% less file size compared to H.264, optimizing storage and bandwidth usage.

5. MAINTENANCE

To ensure the longevity and optimal performance of your camera, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Placement:** Ensure the camera is placed in a stable environment, away from direct sunlight, extreme temperatures, and high humidity.
- **Firmware Updates:** Regularly check the app for available firmware updates to ensure your camera has the latest features and security enhancements.

6. TROUBLESHOOTING

If you encounter issues with your IMILAB CMSXJ16A camera, refer to the following common solutions:

- **Camera Not Connecting:** Ensure your Wi-Fi network is 2.4GHz (5GHz is not supported). Check Wi-Fi signal strength. Restart the camera and your router.
- **Poor Image Quality:** Clean the camera lens. Ensure adequate lighting in the environment. Check your internet connection speed.
- **No Notifications:** Verify that notifications are enabled in both the camera app settings and your smartphone's system settings. Check network connectivity.
- **Camera Offline:** Check the power connection. Ensure your Wi-Fi network is active and the camera is within range. Restart the camera.
- **Micro TF Card Not Detected:** Ensure the card is inserted correctly. Format the card through the app if it's new or has issues. Use a compatible Micro TF card (up to 64GB).

7. SPECIFICATIONS

| Feature | Specification |
|-------------------------------|--------------------------------------|
| Model Number | CMSXJ16A |
| Dimensions (L x W x H) | 10.8 x 7.6 x 7.6 cm |
| Weight | 211 Grams |
| Video Resolution | 1080p (FHD) |
| Field of View / Angle of View | 360 Degrees |
| Night Vision Distance | 10 meters |
| Infrared LEDs | 8 x 940mm |
| Aperture | F2.1 |
| Connectivity Technology | Wired, Wireless (Wi-Fi 2.4GHz) |
| Power Source | Mains Powered (via 5V, 5W adapter) |
| Compatible Devices | Smartphone (Android 4.4+, iOS 8.0+) |
| Storage Options | Cloud, Micro TF Card (max 64GB), NAS |
| Video Capture Format | MP4 (H.265 encoding) |
| Indoor/Outdoor Use | Indoor |
| Mounting Type | Wall Mount |

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official IMILAB website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.