

ACEMO MWM720-D02-2

ACEMO 2-Camera Wireless Security System User Manual

Brand: ACEMO | **Model:** MWM720-D02-2

1. INTRODUCTION

This manual provides comprehensive instructions for the ACEMO 2-Camera Wireless Security System with 7-inch Touch Panel Monitor and 128GB SD Card. Please read this manual carefully before installation and operation to ensure proper use and maximize the system's performance. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x 7-inch Touch Panel Monitor (NVR)
- 2x Wireless Security Cameras
- 2x Solar Panels
- 1x 128GB SD Card (pre-installed in monitor)
- 1x NVR Power Adapter
- 2x Camera Power Adapters (for initial setup/backup charging)
- 1x USB Mouse
- Mounting Screws and Anchors
- Warning Stickers



Image: Overview of the ACEMO 2-Camera Wireless Security System, showing the 7-inch touch panel monitor, two wireless cameras, two solar panels, and a 128GB SD card.

3. PRODUCT FEATURES

- **7-inch Touch Panel Monitor:** Intuitive interface for easy operation and viewing.
- **128GB SD Card:** Pre-installed for efficient storage with automatic overwrite.
- **Solar Panel Charging:** Cameras are solar-powered, eliminating the need for electrical wiring. USB charging is also supported.
- **Proprietary Wireless Communication:** Cameras and monitor connect via their own wireless network, ensuring stable operation without reliance on home Wi-Fi.
- **High-Resolution 4MP:** Records clear and detailed images day and night.
- **Full-Color Night Vision:** Supports both infrared and full-color night vision for clear footage in low-light conditions.

- **PIR Human Detection:** Accurately detects human movement to minimize false alarms.
- **Spotlight & Sound Alarm:** Deters intruders with bright spotlights and audible alarms upon detection.
- **Two-Way Talk:** Communicate with visitors or deter intruders directly through the camera.
- **Smartphone App Support (EseeCloud):** Receive notifications and view live/recorded footage remotely.
- **IP66 Waterproof & Dustproof:** Durable design suitable for long-term outdoor use in various weather conditions.
- **Expandable System:** Supports up to 4 cameras for comprehensive coverage.

製品の特長



Image: Visual representation of the system's key features, including the 7-inch touch screen, 4MP camera, 128GB SD card, solar power, and PIR motion detection.

4. SETUP

4.1 Initial Power-up

The cameras and monitor are pre-paired at the factory. Simply power them on to begin use.

1. Connect the camera to its power adapter.
2. Connect the NVR (monitor) to its power adapter.
3. The system will automatically connect.

Video: This video demonstrates the physical installation process of a security camera, including drilling holes, inserting anchors, and mounting the camera to a wall.

4.2 Connecting to Wi-Fi (Optional for Remote Viewing)

While the system operates locally without Wi-Fi, connecting the NVR to your home Wi-Fi network enables remote viewing via the EseeCloud smartphone app.

1. Connect the USB mouse to the NVR.
2. Navigate to the network settings on the NVR.
3. Select your 2.4G or 5GHz Wi-Fi network and enter the password.
4. Download the EseeCloud app on your smartphone.
5. Register an account and add the device by scanning the QR code on the NVR or manually entering the device ID.

Video: This video provides a step-by-step guide on how to connect the security camera to the smartphone app, including initial power-up, resetting the camera, connecting to Wi-Fi, and adding the device to the app.

4.3 Camera Installation

The cameras are designed for outdoor use with IP66 weather resistance. Choose a location that provides optimal coverage and receives sufficient sunlight for the solar panel.

1. Mark the drilling points on the wall using the camera's mounting bracket as a template.
2. Drill holes and insert the provided anchors.
3. Secure the mounting bracket to the wall with screws.
4. Attach the camera to the bracket and adjust the angle for desired coverage.
5. Mount the solar panel in a location with direct sunlight and connect it to the camera.



Image: A security camera mounted outdoors with a solar panel, illustrating the solar charging and wireless setup.

5. OPERATING

5.1 Monitor Interface

The 7-inch touch panel monitor provides a direct interface for managing your security system.

- **Live View:** Tap on a camera feed to view it in full screen.
- **Playback:** Access recorded footage directly from the monitor.
- **Settings:** Configure camera settings, recording schedules, and alarm preferences.

7インチ タッチスクリーンモニター

 128GB
SDカード内蔵

 200日間
録画可能


 プラグ&プレイ



Image: A hand interacting with the 7-inch touch panel monitor, displaying multiple camera feeds simultaneously.

5.2 Smartphone App (EseeCloud)

The EseeCloud app allows you to control and monitor your system remotely.

- **Remote Live View:** Access live camera feeds from anywhere.
- **Playback:** Review recorded events on your smartphone.
- **Two-Way Talk:** Use the app to speak through the camera's speaker.
- **PTZ Control:** If your camera supports Pan/Tilt/Zoom, control it via the app.
- **Notifications:** Receive instant alerts for motion detection.

双方向通話



Image: Illustration of the two-way talk feature, showing a person speaking into a smartphone and a delivery person hearing the message through the camera.

5.3 Motion Detection and Alarms

The system utilizes PIR human detection to trigger alerts and deter intruders.

- **PIR Sensor:** Detects human-like heat signatures to reduce false alarms from animals or swaying branches.
- **Spotlight Alarm:** Upon detection, the camera's built-in spotlight illuminates the area.
- **Sound Alarm:** An audible alarm is triggered to warn off intruders.
- **App Notifications:** Receive instant alerts on your smartphone.

多種の警報モード



Image: A person triggering the camera's LED light and siren alarm, with a smartphone showing a motion detection notification from the EseeCloud app.

Video: This video highlights various functions of the security camera, including motion detection, two-way audio, and remote viewing capabilities.

5.4 Night Vision Modes

The camera offers versatile night vision options for optimal surveillance in the dark.

- **Infrared Night Vision:** Provides clear black-and-white footage in complete darkness.
- **Full-Color Night Vision:** Utilizes built-in spotlights to capture color images even at night.
- **Smart Night Vision:** Automatically switches between infrared and full-color mode based on detected motion or ambient light.

赤外線&フルカラー暗視モード



Image: Comparison of infrared night vision (monochrome) and full-color night vision (smart mode with spotlight) in a dark outdoor setting.

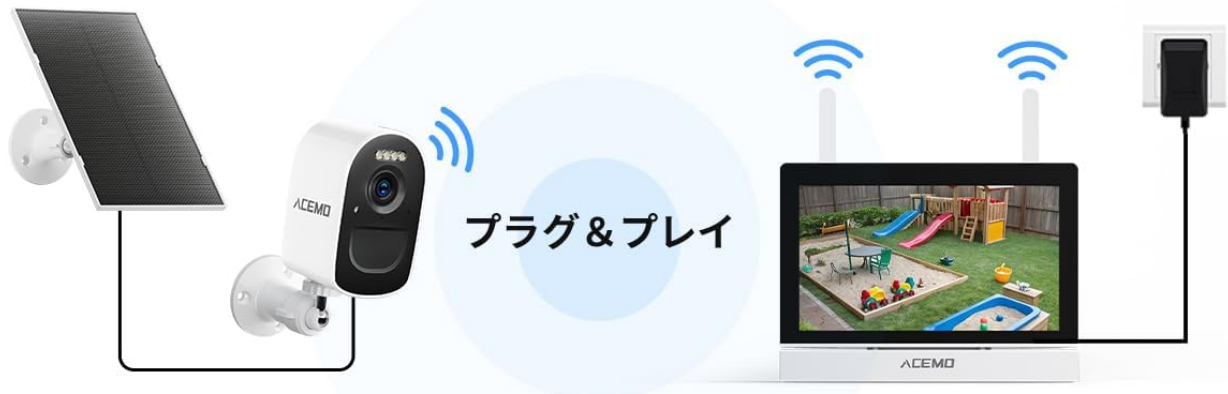
Video: This video demonstrates the actual day and night image quality of the camera, showcasing its performance in various lighting conditions.

Video: This video illustrates the night image quality of a solar-powered security camera, demonstrating its performance in low-light conditions.

5.5 Expandability

The system supports adding up to 4 cameras for broader surveillance coverage.

簡単設置



2.4GHz/5GHz対応

増設可能

最大 **4** 台まで接続可能



Image: Diagram showing the system's expandability, allowing connection of up to 4 cameras to the monitor.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient charging.
- **Firmware Updates:** Check the EseeCloud app or ACEMO website for available firmware updates to ensure optimal performance and security.
- **SD Card Management:** The 128GB SD card supports automatic overwriting. Periodically back up important

footage to another device if needed.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to monitor	Power issue, out of range, interference, pairing lost.	Ensure camera is powered. Check distance and obstacles. Re-pair camera if necessary (refer to app instructions).
No remote viewing via smartphone	NVR not connected to Wi-Fi, incorrect app settings, internet issue.	Verify NVR Wi-Fi connection. Check app settings and internet connectivity.
Poor night vision quality	Dirty lens, insufficient ambient light for color mode, camera too far from subject.	Clean the camera lens. Ensure sufficient light for full-color mode or switch to infrared. Adjust camera position.
Frequent false alarms	PIR sensitivity too high, environmental factors (animals, moving objects).	Adjust PIR sensitivity in settings. Reposition camera to avoid common false alarm triggers.
Solar panel not charging effectively	Insufficient sunlight, dirty panel, panel angle.	Ensure panel receives direct sunlight. Clean the panel. Adjust angle for maximum sun exposure.

8. SPECIFICATIONS

Specification	Detail
Product Model Number	MWM720-D02-2
Product Dimensions (L x W x H)	15 x 20 x 13 cm
Item Weight	1.5 Kilograms
Video Capture Resolution	1440p (4 Megapixels)
Connectivity Technology	Wireless (2.4G & 5GHz WiFi compatible for NVR to router)
Indoor/Outdoor Use	Outdoor
Waterproof/Dustproof Rating	IP66
Included Components	1x Monitor, 2x Solar Panels, 2x Security Cameras

Specification	Detail
Storage	128GB SD Card (included)
Recommended Uses	Outdoor Security

9. WARRANTY AND SUPPORT

ACEMO provides a 2-year warranty for this product. For any inquiries or support needs, please contact our dedicated Japanese support team, available 24 hours a day, 365 days a year.

Email: support@acemopower.com

We are committed to providing prompt assistance and ensuring your peace of mind after purchase.