

70mai 70mai Dash Cam 4K Omni

70mai Dash Cam 4K Omni & UP05 Hardwire Kit User Manual

Model: 70mai Dash Cam 4K Omni

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your 70mai Dash Cam 4K Omni and the accompanying UP05 Hardwire Kit. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The 70mai Dash Cam 4K Omni is a high-performance car camera system designed to capture clear footage of your journeys and provide advanced security features for your vehicle. It features 4K 60FPS recording, Sony STARVIS 2 sensor for superior night vision, 4G LTE connectivity, AI motion detection, ADAS, Wi-Fi 6, and comprehensive parking monitoring.

WHAT'S IN THE Box

Verify that all items are present in the package:

- 70mai Dash Cam 4K Omni
- UP05 Hardwire Kit
- Quick Guide
- User Manual (this document)
- Dual USB Car Charger
- Electrostatic Sticker
- Power Cable
- Rear Cam Signal Cable (if applicable for rear camera model)
- 128GB SD Card (if included in package)
- Adhesive Sticker
- Wiring Crowbar
- Rear Cam User Manual (if applicable for rear camera model)



Image: Overview of the 70mai Dash Cam 4K Omni and included accessories.

KEY FEATURES

4K 60FPS Front Dash Cam

Experience true-to-life clarity with 3840×2160P 4K dash cam, capturing every detail in stunning resolution. With 60FPS high-speed recording, fast-moving scenes are smooth and sharp. The Maicolor Vivid+ Solution enhances color accuracy, while ROI technology intelligently enhances license plate areas for better visibility. The 146° wide-angle lens covers 8 lanes, and with 340° rotation, it achieves 360° coverage—minimizing blind spots even in low light.

4K Shoot Like a Pro

Front camera records at 4K 60fps, while dual cameras record at 4K 30fps for flawless clarity in all driving conditions.

STARVIS 2



MaiColor Vivid+
Solution™



Image: Demonstration of 4K 60FPS recording quality and license plate clarity.

Super STARVIS 2 Night Vision

Equipped with STARVIS 2, this dash cam front and rear captures 88% more light for sharper, more detailed footage in low-light conditions. Combined with 70mai Lumi Vision, the dash camera for cars delivers full-color recording even in near-total darkness. The Night Owl Vision further enhances nighttime clarity with balanced exposure, reduced noise, and improved glare control, ensuring distant license plates and road signs remain clear and distinguishable.

STARVIS 2 Night Vision

Unmatched night vision that records clearly even in total darkness, powered by 70mai Night Owl Vision™ & 70mai Lumi Vision™.



Sony IMX678



Sony STARVIS 2



Dual HDR



7 Layers of
Glass Lens



F1.7 Aperture

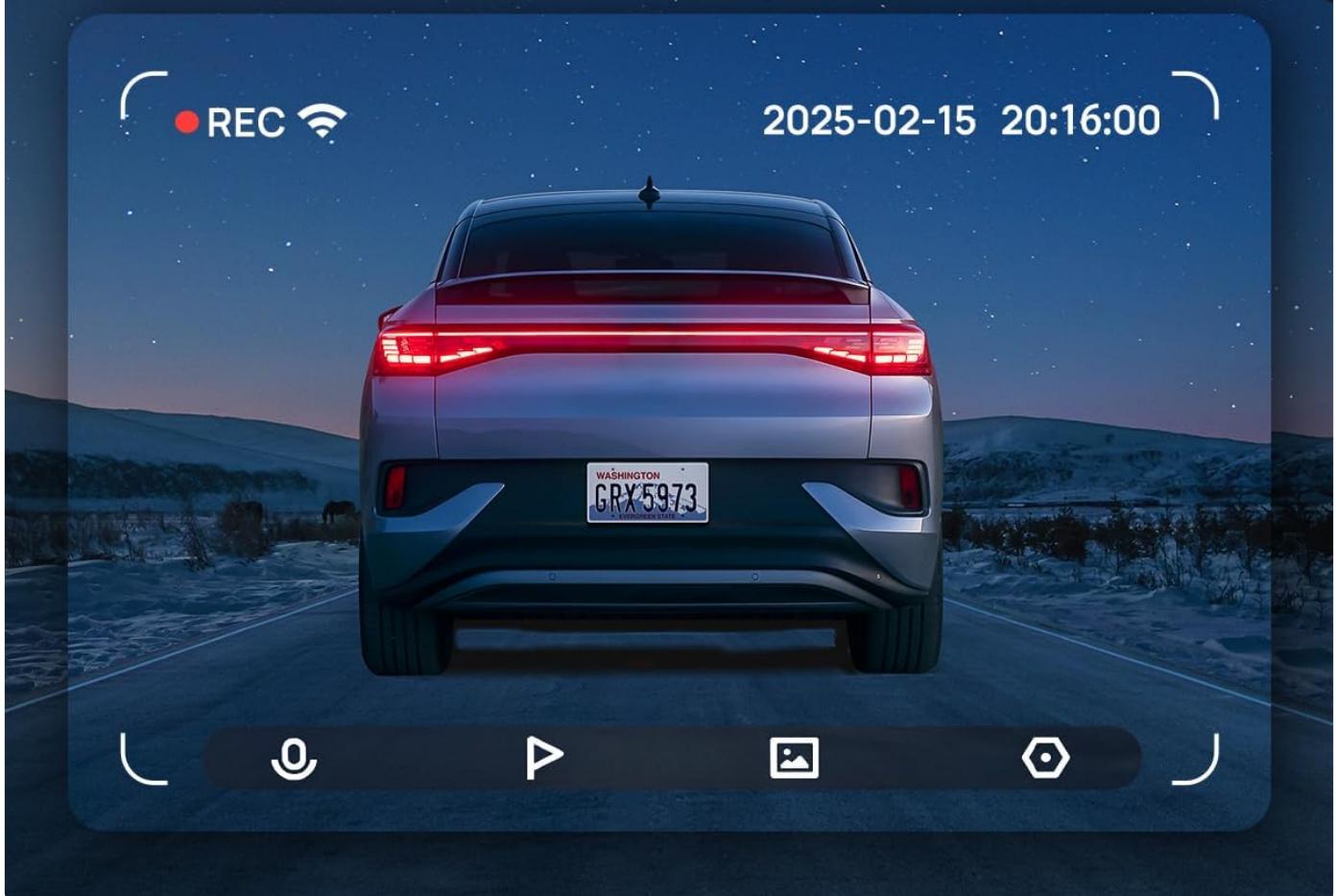


Image: Example of superior night vision capabilities with STARVIS 2.

4G Remote & 24/7 Parking Monitor

Stay connected to your car anytime, anywhere with 4G LTE. The front and rear dash cameras provide real-time alerts, using AI algorithms to distinguish between people, cars, and animals while ignoring false alarms (e.g., wind-blown leaves). Use the App to locate your car remotely, view live footage, or review historical recordings. Time-lapse compresses 24 hours into 2 minutes, saving storage space without missing critical events. (Requires the UP05 Hardwire Kit, which is included in this bundle).

AI Motion Detection & Automatic Tracking

Smartly tracks and records suspicious activity for enhanced security.



Image: Visual representation of 24/7 buffered parking mode.

Wi-Fi 6 5GHz + GPS Accurate Positioning

Enjoy lightning-fast 4K video transfers at 20MB/s with Wi-Fi 6 5GHz, making it easy to download and share footage on your phone. The GPS system of the dashcam ensures precise location tracking and speed monitoring, perfect for driving safety and route analysis. Whether you're using it as a car security camera or a dash cam for semi trucks, this feature ensures reliable performance in any scenario.

High Speed Transfer

Achieve 10x faster transmission speed with Wi-Fi 6 and 5GHz combo, delivering 20Mbps per second.

Wi-Fi 6 5GHz

20MB/S

Other

2MB/S



Image: High-speed data transfer via Wi-Fi 6 5GHz.

AI Motion Detection & Emergency Video Lock

The rotating front camera automatically follows moving objects, ensuring no suspicious activity goes unnoticed. In case of collisions or sudden shakes, the dash cam saves 10 seconds before and 20 seconds after the event (30 seconds total), securely locking the clip to preserve critical evidence.

24/7 Buffered Parking Mode

Keep your car safe with continuous monitoring, even when you're away. Ensure your vehicle's protection at all times.



*Need hardwire kit. (Buy Separately)

Image: AI Motion Detection and Automatic Tracking in action.

SETUP AND INSTALLATION

Dash Cam Placement

Choose a location on your windshield that does not obstruct your view of the road. Typically, this is behind the rearview mirror. Ensure the camera lens has a clear view of the road ahead.

Mounting the Dash Cam

1. Clean the chosen area on the windshield thoroughly.
2. Apply the electrostatic sticker to the cleaned area.
3. Attach the dash cam mount to the electrostatic sticker.
4. Slide the dash cam onto the mount until it clicks into place.

Hardwire Kit (UP05) Installation

The UP05 Hardwire Kit enables 24/7 parking monitoring and 4G LTE features. Professional installation is recommended for the hardwire kit if you are not familiar with vehicle electrical systems.

- Connect the ACC wire (red) to a fuse that provides power only when the ignition is on.
- Connect the B+ wire (yellow) to a fuse that provides constant power (even when the ignition is off).
- Connect the GND wire (black) to a metal part of the vehicle chassis for grounding.
- Connect the hardwire kit's output to the dash cam's power input.



Image: Basic wiring diagram for the hardwire kit.

Rear Camera Installation (if applicable)

If your package includes a rear camera, mount it on the rear windshield, ensuring a clear view. Route the rear camera signal cable to the main dash cam unit.



Image: Easy installation guide showing cable routing for front and rear cameras.

OPERATING INSTRUCTIONS

Powering On/Off

The dash cam will automatically power on and begin recording when your vehicle's ignition is turned on (if connected via the car

charger or hardwire kit). It will power off automatically when the ignition is turned off.

Basic Recording

Once powered on, the dash cam will automatically start loop recording. Footage is saved to the inserted microSD card. Older files will be overwritten by new recordings when the card is full, unless they are locked emergency videos.

Voice Control

The 70mai Dash Cam 4K Omni supports voice commands for hands-free operation. Common commands include:

- "Take Photo": Captures a still image.
- "Record Video": Starts or stops video recording.
- "Lock Video": Locks the current recording to prevent it from being overwritten.
- "Turn on/off Wi-Fi": Controls Wi-Fi connectivity.

Your Ultimate Driving Companion

Take full control of your camera with simple voice commands—hands-free and hassle-free. Whether it's taking photos, recording videos, or switching modes, just say the word and it's done!



Smart ADAS



Voice Control



» Be careful

» Take Photo

» Recording Vlog

» Lock Video



Image: Voice control feature for hands-free operation.

Using the 70mai App

Download the 70mai app from the App Store or Google Play. Connect your smartphone to the dash cam's Wi-Fi network to access features such as:

- **Live Preview:** View real-time footage from the dash cam.
- **Video Playback & Download:** Review recorded videos and download them to your phone.

- **Settings Adjustment:** Configure camera settings, resolution, and other preferences.
- **Firmware Updates (OTA):** Keep your dash cam's software up-to-date.
- **GPS Tracking:** View your driving route and speed data.
- **Remote Features (with UP05 Hardwire Kit):** Remote viewing, car tracking, instant alerts, and real-time battery monitoring.

Real-Time Battery Monitoring

Integrated real-time battery monitoring provides 24/7 status visualization, intelligent power protection, and automatic power-off when low voltage is detected, ensuring your vehicle's battery and security.



*Need hardwire kit UP05, not included

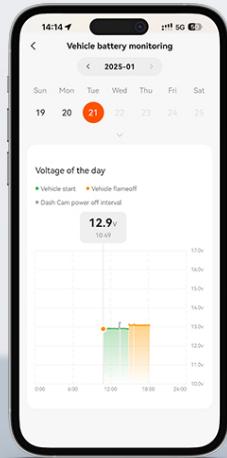


Image: Smart APP and OTA Upgrade features.

PARKING MONITORING & SECURITY

24/7 Buffered Parking Mode

With the UP05 Hardwire Kit installed, the dash cam provides continuous monitoring even when your vehicle is parked. It automatically detects collisions and suspicious movements.

Emergency Lock

Upon detecting a collision or sudden shake (via the G-sensor), the dash cam automatically records and locks a 30-second video clip (10 seconds before and 20 seconds after the event) to ensure critical evidence is preserved and not overwritten.

AI Motion Detection 2.0

The AI recognition system tracks and records suspicious individuals around your vehicle. Combined with integrated sensors and a magnetic system, it ensures precise lens positioning and smooth 340° rotation, leaving no potential threat unnoticed.

Video Share

With the intelligent 70mai app, easily share your travel memories with friends or on social media, capturing every adventurous moment.



Image: AI Motion Detection 2.0 in parking mode.

Time-lapse Recording

In parking mode, the dash cam can record at 1FPS (frames per second) to save memory card space while still providing a comprehensive overview of events. This compresses 24 hours of footage into a short video.

ADVANCED DRIVING ASSISTANCE SYSTEM (ADAS)

The 70mai Dash Cam 4K Omni includes ADAS features to enhance driving safety:

- **Lane Departure Alert:** Warns you if you drift out of your lane.
- **Forward Collision Alert:** Notifies you of potential frontal collisions.
- **Forward Vehicle Start Alert:** Informs you when the vehicle in front starts moving.
- **Pedestrian Alert:** Detects and warns about pedestrians in your path.
- **Cyclists Alert:** Detects and warns about cyclists in your path.



Image: Advanced Safety Alerts provided by ADAS.

MAINTENANCE

Cleaning the Device

Use a soft, dry cloth to clean the dash cam's body and lens. Do not use chemical cleaners or abrasive materials, as they may damage the device.

MicroSD Card Management

Regularly format your microSD card (at least once a month) through the dash cam's settings or the 70mai app to ensure optimal performance and prevent data corruption. Use a high-quality Class 10 or U3 microSD card from a reputable brand.

Firmware Updates

Check for firmware updates periodically via the 70mai app. Keeping your device updated ensures you have the latest features and bug fixes.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Dash cam does not power on.	Check power connection. Ensure the car charger or hardwire kit is properly connected and receiving power. Check vehicle's fuse box if using hardwire kit.
Recording stops unexpectedly.	MicroSD card may be full or corrupted. Format the card. Ensure you are using a compatible, high-speed microSD card.
Wi-Fi connection issues.	Ensure Wi-Fi is enabled on the dash cam. Restart both the dash cam and your phone. Try forgetting the network on your phone and reconnecting.
Poor video quality at night.	Ensure the windshield is clean. Check if the lens is clean. Verify that the latest firmware is installed.
Parking monitoring not working.	Ensure the UP05 Hardwire Kit is correctly installed and providing constant power. Check parking monitoring settings in the 70mai app.

SPECIFICATIONS

Feature	Detail
Model Name	70mai Dash Cam 4K Omni
Video Capture Resolution	4K (3840 x 2160 pixels)
Sensor	Sony IMX678 (Front), Sony IMX662 (Rear, if applicable)
Night Vision Technology	STARVIS 2, 70mai Lumi Vision, Night Owl Vision
Connectivity Technology	Wi-Fi 6 5GHz, 4G LTE (with UP05 Hardwire Kit), GPS
Lens Angle	146° Wide-Angle
Rotation	340° (Front Camera)
Storage	Supports up to 512GB microSD card (128GB included in some bundles)
Power Source	Supercapacitor (for durability in extreme temperatures)
Operating Temperature	-4°F to 185°F (-20°C to 85°C)
Included Components	Dash Cam, Hardwire Kit, Quick Guide, User Manual, etc.

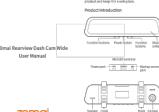
WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included in your product packaging or visit the official 70mai website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues or have questions not covered in this manual, please contact 70mai customer support through their official website or the contact information provided in the Quick Guide.

Official 70mai Website: www.70mai.com

Related Documents

 70mai Dash Cam 4K A810 Series User Manual	70mai Dash Cam 4K A810 Series User Manual Comprehensive user manual for the 70mai Dash Cam 4K A810 Series, covering product overview, installation, specifications, precautions, and regulatory compliance. Learn how to set up and use your dash cam for optimal performance.
 70mai Dash Cam 4K Omni Series User Manual	70mai Dash Cam 4K Omni Series User Manual Comprehensive user manual for the 70mai Dash Cam 4K Omni Series (models X800, X800-2), covering installation, features, voice control, safety, and specifications.
 70mai 4G Hardwire Kit User Manual	70mai 4G Hardwire Kit User Manual User manual for the 70mai 4G Hardwire Kit, detailing product overview, functions, installation, binding, and precautions. Includes specifications and packing list.
 70mai Rearview Dash Cam Wide User Manual	70mai Rearview Dash Cam Wide User Manual Installation, Features & Operation Comprehensive user manual for the 70mai Rearview Dash Cam Wide. Learn about installation, setup, features like parking surveillance and emergency recording, and important precautions.

Documents - 70mai – 70mai Dash Cam 4K Omni



[\[pdf\]](#) User Manual Frequently Asked Questions Guide Accessories

70mai Dash Cam 4K Omni User Manual Spy Shop roRouting cable Route the power cord to vehicle s outlet and plug car charger into Start carManual de utilizare X800spy shop ro fileuploader d file custom upload X800 srsltid AfmBOorVJG4oJ3e77jHnOtdhkyEYVxOqm51CTbeLPazNVuwK5liru44 ro70mai carMount dash cam on either of recommended positions front windshield as appropriate ① Near center rearview mirror ② On theManual X800Manual AfmBOorVJG4oJ3e77jHnOtdhkyEYVxOqm51CTbeLPazNVuwK5liru44spy AfmBOoofobPpZMys0CfPv ze3BuAB3Ha G7b8hY73r5ZlPePtvfWvwJt the70mai View guide for product functions FAQs Scan QR code email us at help@70mai Page 2 01 Product Manual G7b8hY73r5ZlPePtvfWvwJtspy AfmBOoqkfiRD93KzZpPgDjrx2 VKQYK1fGefl1jk93tn hIZhnMHcD a ||| 70mai Dash Cam 4K Omni User Manual Scan the QR code and email us at help 70mai.com View the User guide for product functions and FAQs. Product overview Please read this manual carefully before using the product and keep it in a safe place. ||| 70mai Dash Cam 4K Omni User Manual Scan the QR code and email us at help 70mai.com View the User guide for product functions and FAQs. Product overview Please read this manual carefully before using the product and keep it in a safe place.

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[pdf] User Manual Frequently Asked Questions Guide Declaration of Conformity Accessories

70maidashcam4kmni user manual Gyuri 70mai Dash Cam 4K Omni Series User Manual mStoreequipment types X800 and 2 are in compliance with Radio Equipment Regulations 2017 The full text of the UKCA declaration conformity is available at 6dfaf885d0e824ebf1e1214475049adf dashcam 4k omni manualmstore hu custom mstore image data srattached 6dfaf885d0e824ebf1e1214475049adf srstid

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70mai Dash Cam 4K Omni User Manual

70mai Dash Cam 4K Omni User Manual

User manual for the 70mai Dash Cam 4K Omni, detailing product overview, installation, app connectivity, button functions, voice control, precautions, specifications, and regulatory compliance.

lang:en score:40 filesize: 999.24 K page_count: 13 document_date: 2024-08-09

70mai Dash Cam 4K Omni Series
User Manual

70mai Dash Cam 4K Omni Series User Manual

Comprehensive user manual for the 70mai Dash Cam 4K Omni Series (models X800, X800-2), covering installation, features, voice control, safety, and specifications.

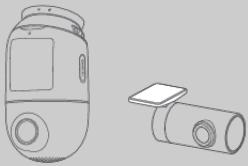
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70mai Dash Cam 4K Omni Series

70mai Dash Cam 4K Omni Series User Manual

User manual for the 70mai Dash Cam 4K Omni Series, providing instructions on installation, operation, features, and safety precautions.

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Warning

1. If an accident occurs, turn off the power of the dash cam and remove the microSD card in a timely manner to prevent the recorded video files from being overwritten.
2. Before inserting the microSD card into the dash cam, refer to the following steps:
3. Do not insert or remove the microSD card when the dash cam is turned on. Doing so may damage your dash cam or microSD card.

This manual is applicable to two models of the 70mai Dash Cam X800, X800 and X800.

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