

ddpai MINI 2X

DDPAI MINI2X Dash Cam User Manual

2K QHD 1440p Car Dashcam with Advanced Features

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1. PRODUCT OVERVIEW

The DDPai MINI2X Dash Cam is a high-performance vehicle recording device designed to capture clear and detailed footage of your journeys. Featuring 2K QHD 1440p resolution, advanced night vision, and intelligent parking monitoring, it provides enhanced security and peace of mind on the road. Its compact and rotatable design ensures versatile placement and comprehensive coverage.



Image: The DDP AI MINI2X Dash Cam shown alongside a smartphone displaying its companion application interface, highlighting its compact size and connectivity features.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Dash Cam (MINI2X)
- Car Charger
- Car Mount
- Installation Tool
- Quick Guide (User Manual)
- 3M Adhesive (for mounting)

- Electrostatic Sticker
- USB Power Cable (Type-C)

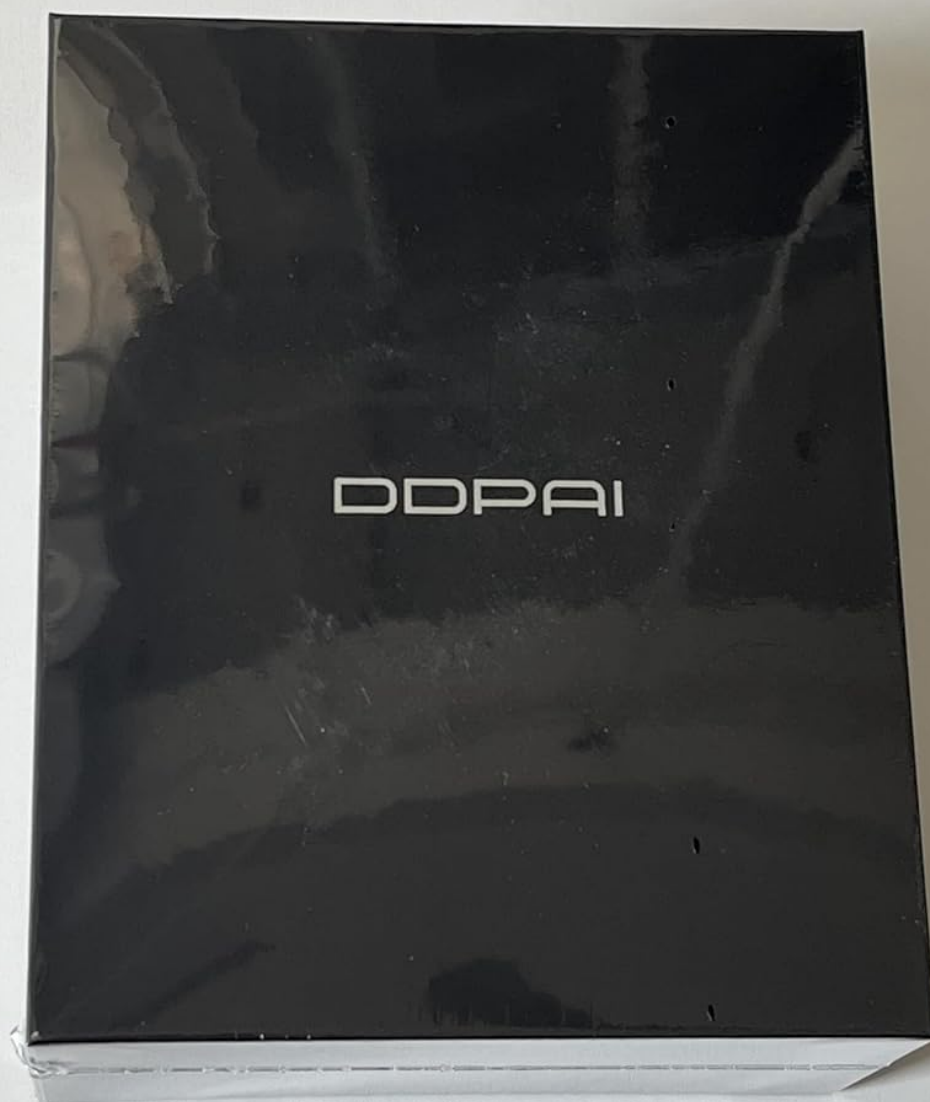


Image: Front view of the DDP AI MINI2X Dash Cam product box.

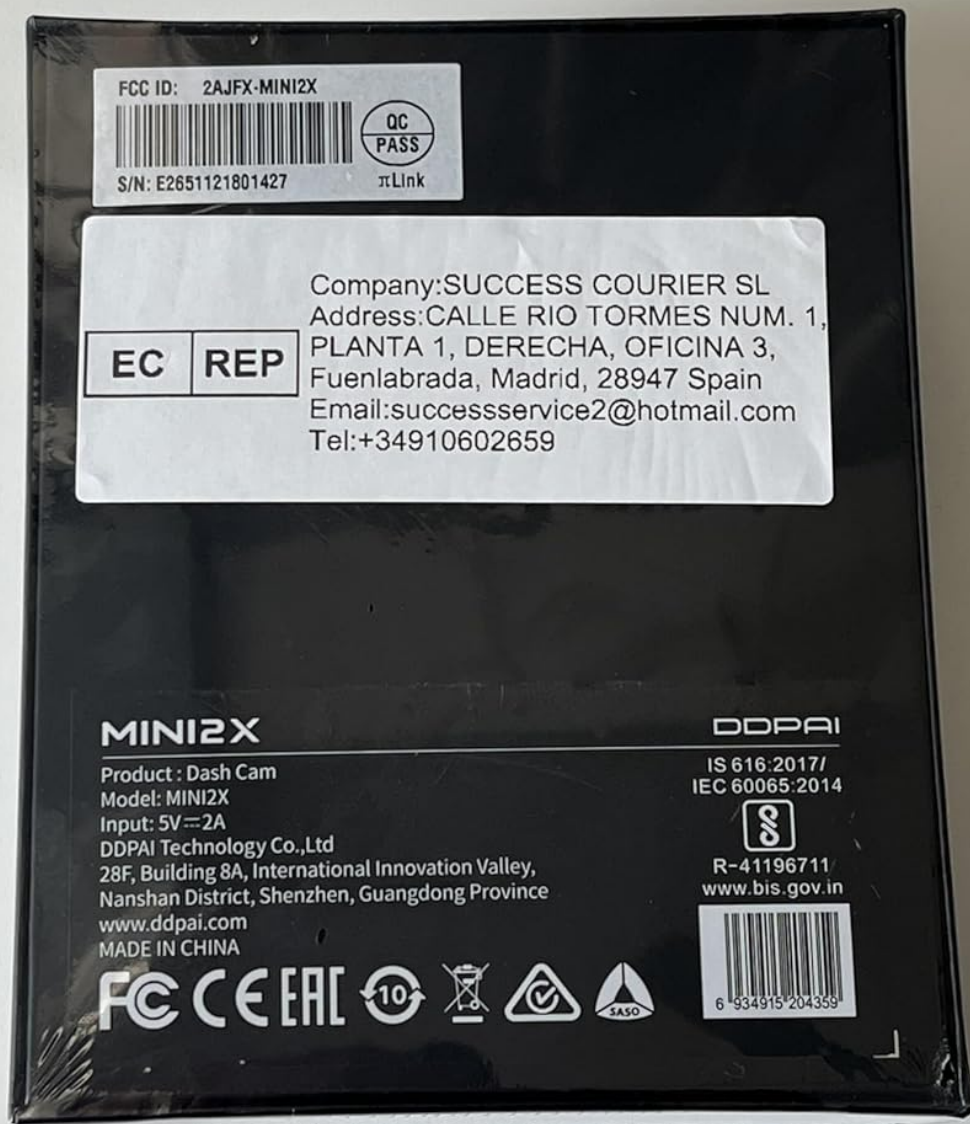


Image: Rear view of the DDPAI MINI2X Dash Cam product box, showing product specifications and regulatory information.

3. SETUP GUIDE

3.1 Mounting the Dash Cam

The DDPAI MINI2X is designed for windshield mounting. Choose a location that does not obstruct your view of the road. Clean the windshield surface thoroughly before applying the electrostatic sticker and 3M adhesive for secure attachment.

Compact and Versatile

More Views, More Possibilities

Colors in black and gray offer a simple yet stylish look. 360° rotatable design captures every moment on the road with various shooting angles.



Image: The DDPAI MINI2X Dash Cam installed on a car windshield, illustrating its compact size and 360-degree rotatable lens for flexible recording angles.

3.2 Power Connection

Connect the provided USB power cable to the dash cam's Type-C port and plug the car charger into your vehicle's cigarette lighter socket. Ensure the cable is routed safely and does not interfere with driving controls. For 24-hour parking monitoring, an additional hardwire kit (sold separately) is required.

G-sensor

The G-Sensor detects sudden changes in motion or an impact, automatically triggering the dash cam to save the ongoing recording, providing robust evidence when needed.



Image: Close-up view of the DDPAL MINI2X Dash Cam's bottom, showing the Type-C power input and the microSD card slot. Note: SD card is not included.

3.3 Inserting the TF Card

The dash cam supports up to a 256GB TF (microSD) card (not included). Insert the TF card into the designated slot on the dash cam. Ensure the card is inserted correctly before powering on the device.

3.4 App Connection

Download the official DDPAL App from your smartphone's app store. Connect to the dash cam via 5GHz Wi-Fi and Bluetooth for quick setup, live view, video playback, and settings management. The app provides a convenient interface for controlling your dash cam.

5GHz Wi-Fi Transfer

Quick App Control with Bluetooth

Compared to traditional 2.4GHz Wi-Fi, 5GHz Wi-Fi offers less interference, and significantly faster speeds, making video downloads and playback ultra-fast and seamless.

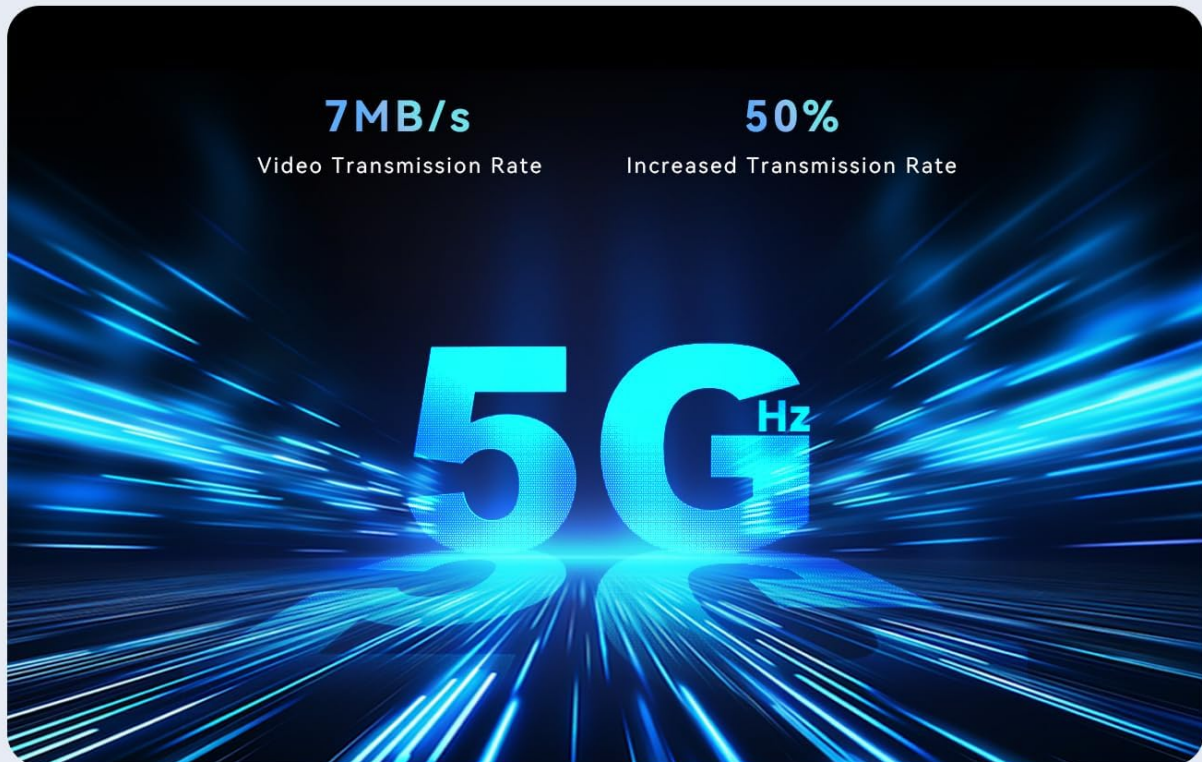


Image: Illustrates the faster data transfer speeds of 5GHz Wi-Fi compared to 2.4GHz for the DDPAI MINI2X Dash Cam, facilitating quicker video downloads and playback.

ADAS Technology

ADAS uses sensors to detect the vehicle's surroundings and provides voice alert to help preventing you from potential safety concern.

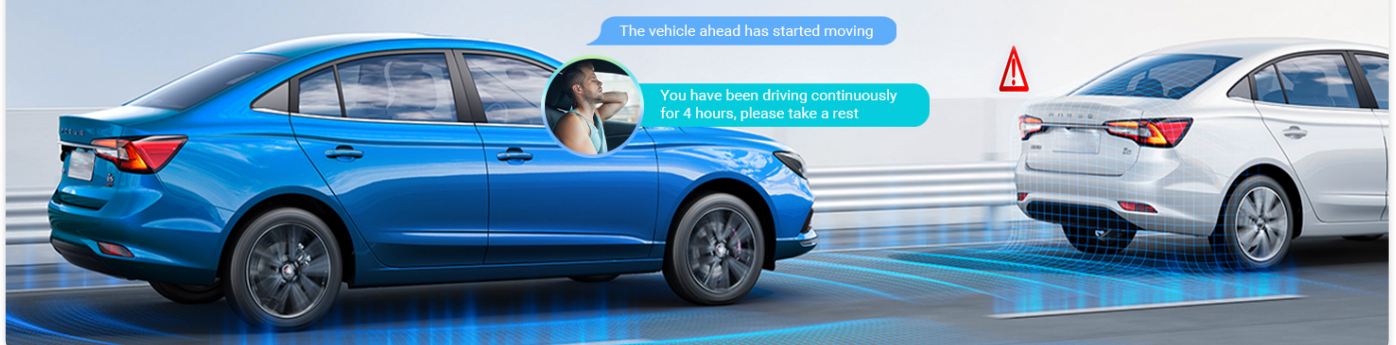


Image: A smartphone displaying the DDPAI app interface, demonstrating features like download, preview, share, and capture, with the dash cam in the background.

4. OPERATING INSTRUCTIONS

4.1 Recording Modes

The dash cam automatically begins recording when powered on. It records in 2K QHD (2560x1440P) resolution at 30 frames per second, ensuring clear and detailed video capture. The 360° rotatable lens allows you to adjust the recording angle to capture either the front view or the vehicle's interior.

2K QHD Resolution

Grab Every Detail

In case of a collision, the MINI2X dash cam instantly grabs a photo and creates a 10-second video, preserving every crucial moment for your safety.

 Snapshot

 Short Clip



Image: A still frame from DDPAI MINI2X footage, demonstrating the clarity of 2K QHD resolution, capable of capturing details like license plates.



Image: Illustration of the DDP AI MINI2X's 360-degree rotatable lens, showing its versatility for recording both front and interior views.

4.2 Night Vision 2.0 with AI-ISP

Equipped with AI-ISP technology and an F1.55 large aperture, the dash cam provides enhanced night vision capabilities. It captures bright and clear video even in low-light conditions, improving visibility and security during nighttime driving and parking surveillance.

Night Vision 2.0 with AI-ISP

See in the Dark

Powered by the latest AI-ISP, DDP AI's NightVIS 2.0 captures bright and clear images even in low-light conditions, providing superior night vision for parking surveillance.

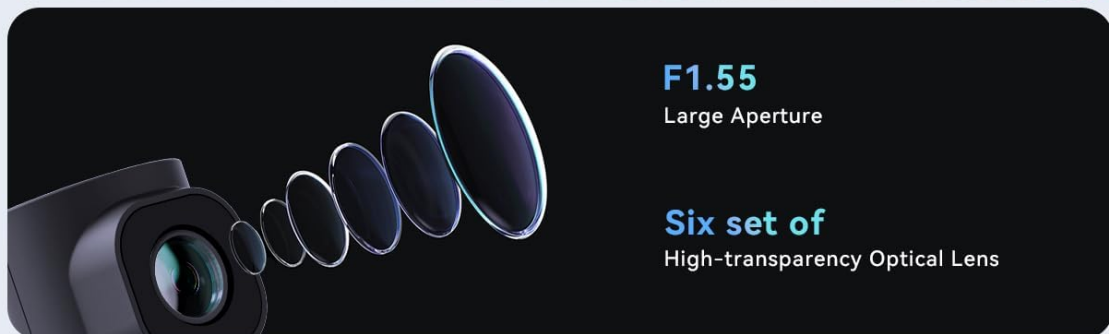


Image: Demonstrates the superior clarity of Night Vision 2.0 with AI-ISP on the DDP AI MINI2X Dash Cam in low-light conditions, compared to standard night vision.

4.3 Parking Monitoring (AOV)

The AOV (Always On Vision) low-energy time-lapse recording feature significantly reduces power consumption, allowing for up to 8 days of parking surveillance. In sleep mode, monitoring can extend up to 20 days. The dash cam instantly wakes within 1 second to capture any anomalies, ensuring continuous protection. A hardwire kit is required for this feature.

Low-energy & Quick-response Parking Monitoring

Always on Guard, Power Saving

AOV low-energy time-lapse recording reduces energy use by 800%, extending parking monitoring up to 8 days and allowing for instantly waking the dashcam within 1 second to capture any anomalies.

8 Days

AOV Time-lapse Mode

20 Days

AOV Sleep Mode



Attention: Hardwire Kit Needed

Image: Explains the AOV (Always On Vision) parking monitoring feature, showing 8 days in time-lapse mode and 20 days in sleep mode, with a note that a hardwire kit is needed.

4.4 ADAS Technology

The integrated ADAS (Advanced Driver-Assistance Systems) uses sensors to identify the vehicle's surroundings. It provides voice alerts for events such as front vehicle start-up and fatigue driving, contributing to a safer driving experience.

Optimized ADAS Technology

Your personal co-pilot

ADAS is a reliable travel companion, using sensors to detect the vehicle's surroundings and alert you to potential safety concerns. Stay safe on the road, thanks to voice assistance.



Image: Illustrates the ADAS technology of the DDPAI MINI2X Dash Cam, showing voice alerts for "Front Vehicle Start Alert" and "Driver Fatigue Alert" in a driving scenario.

4.5 Loop Recording and G-Sensor

The dash cam features loop recording, which automatically overwrites the oldest footage when the TF card is full, ensuring continuous recording. The built-in G-sensor detects sudden changes in motion or impacts, automatically triggering the dash cam to save and lock the ongoing recording, providing crucial evidence in case of an incident.

Night Vision 2.0 with AI-ISP

Equipped with AI-ISP, MINI2X features superior night vision, capturing bright and clear images even in low-light conditions.

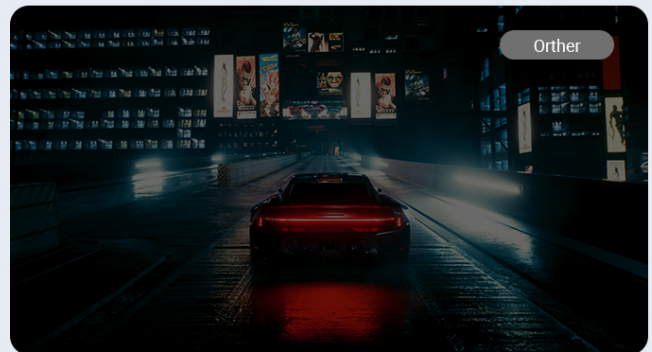


Image: Shows the loop recording feature of the DDPAI MINI2X Dash Cam, indicating recording times for different SD card capacities (32G, 64G, 128G, 256G).

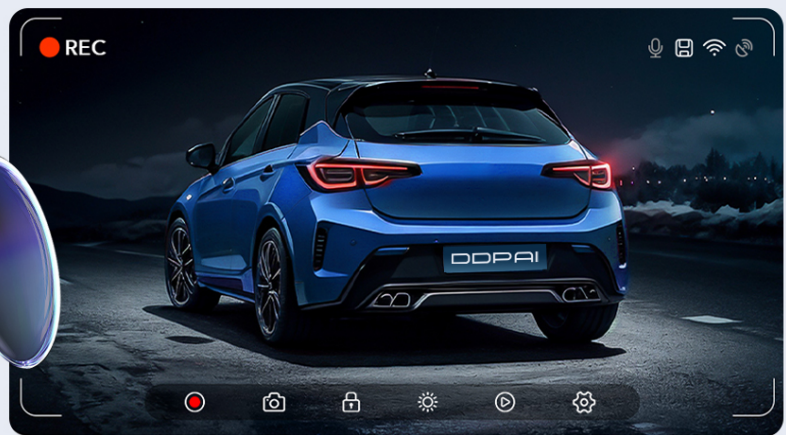


Image: Illustrates the G-sensor functionality of the DDPAI MINI2X Dash Cam, showing how it detects impacts and locks video footage to prevent overwriting.

4.6 Super Capacitor

The DDPAI MINI2X is equipped with a super capacitor, allowing it to perform reliably in extreme temperatures ranging from -4°C to 158°C (-20°F to 70°C). This ensures stable operation and extended lifespan compared to traditional battery-powered dash cams.



Image: Depicts the super capacitor feature of the DDPAI MINI2X Dash Cam, highlighting its ability to operate reliably in extreme temperatures from -4°C to 158°C.

5. MAINTENANCE

- **Clean the Lens:** Regularly wipe the dash cam lens with a soft, lint-free cloth to ensure clear video quality. Avoid

abrasive materials that could scratch the lens.

- **TF Card Management:** Format the TF card periodically (e.g., once a month) using the DDPAI App to maintain optimal performance and prevent data corruption.
- **Temperature Considerations:** While the dash cam is designed for extreme temperatures, prolonged exposure to direct sunlight in very hot conditions when not in use can be mitigated by parking in shade or temporarily removing the device.
- **Firmware Updates:** Check the DDPAI App regularly for firmware updates to ensure your dash cam has the latest features and bug fixes.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam not powering on.	Loose power connection, faulty car charger, vehicle power issue.	Check all cable connections. Ensure the car charger is properly inserted and the vehicle's power outlet is functional. Try a different USB port or car charger if available.
Video footage is blurry or unclear.	Dirty lens, protective film still on lens, improper mounting.	Clean the lens with a soft cloth. Remove any protective film. Ensure the dash cam is securely mounted and the windshield is clean.
TF card error or recording issues.	Incompatible TF card, corrupted card, card full.	Ensure you are using a compatible high-speed TF card (Class 10 or higher). Format the TF card via the DDPAI App. Replace the TF card if the issue persists.
Cannot connect to DDPAI App via Wi-Fi.	Incorrect Wi-Fi password, Wi-Fi interference, app glitch.	Ensure you are connecting to the correct Wi-Fi network broadcast by the dash cam. Restart both the dash cam and your smartphone. Try resetting the dash cam's Wi-Fi settings.
Parking monitoring not working.	No hardwire kit installed, incorrect settings.	Verify that a hardwire kit is correctly installed and connected. Check parking monitoring settings in the DDPAI App.

7. PRODUCT SPECIFICATIONS

Model Name: MINI2X

Video Capture Resolution: 1440p (2560x1440P @ 30fps)

Lens: 360° Rotatable, F1.55 Large Aperture, Six sets of high-transparency optical lens

Night Vision: AI-ISP Night Vision 2.0

Connectivity: 5GHz Wi-Fi, Bluetooth

Special Features: App Control, ADAS Technology (Front Vehicle Start-up, Fatigue Driving Alert), AOV Parking Monitoring, Loop Recording, G-Sensor (Collision Lock), Super Capacitor

Storage: Supports up to 256GB TF Card (MicroSD, not included)

Power Input: 5V-2A

Product Dimensions: 4.7 x 5.8 x 2.5 inches

Item Weight: 10.9 ounces

Color: Black

Mounting Type: Windshield Mount

Manufacturer: ddpai


8. WARRANTY AND SUPPORT

DDPAI is committed to providing high-quality products and excellent customer service. For any inquiries or support needs, please refer to the information below:


- **Warranty:** 18 Months
- **Return Policy:** 7 Days
- **Defects:** Return on Defects

For quick 24/7 live email customer support, please contact:servicecenter@ddpai.com


AFTER-SALE SERVICE



18 Months
Warranty



7 Days
Return Policy



Return
on Defects

QUICK 24/7 LIVE EMAIL CUSTOMER SUPPORT


 servicecenter@ddpai.com

Image: Details of DDPAI's after-sale service, including warranty period, return policy, and customer support email.

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Model: MINI2X