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Pelsee P12 1440P Mirror Dash Cam User Manual

Model: P12

1. INTRODUCTION

The Pelsee P12 Mirror Dash Cam is an advanced automotive recording system designed to enhance driving safety and provide reliable evidence in case of incidents. This device integrates a 12-inch full touch display, dual cameras (front 1440P and rear), GPS tracking, voice control, and various driver assistance features. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your Pelsee P12 dash cam.



Figure 1.1: Pelsee P12 Mirror Dash Cam components including the main mirror unit, rear camera, and GPS module.

2. PRODUCT OVERVIEW

2.1 Package Contents

- Pelsee P12 Mirror Dash Cam Unit
- Rear Camera
- GPS Module
- Power Cable (Type-C)
- Rear Camera Extension Cable
- Mounting Straps/Bands
- User Manual

2.2 Device Layout

Familiarize yourself with the various ports and components of the Pelsee P12 dash cam.



Figure 2.1: Main unit ports including Type-C power input, TF (MicroSD) card slot, GPS interface, and AV-IN for the rear camera.

- **Type-C Port:** For power input and data transfer.
- **TF Card Slot:** Insert MicroSD card for video storage.
- **GPS Interface:** Connect the external GPS module.
- **AV-IN:** Connect the rear camera cable.

3. SETUP AND INSTALLATION

3.1 Mounting the Mirror Dash Cam

1. Secure the Pelsee P12 unit over your vehicle's existing rearview mirror using the provided rubber mounting straps/bands. Ensure the unit is firmly attached and does not obstruct your view or the vehicle's original mirror buttons.
2. Adjust the dash cam's front lens to ensure it captures the road ahead clearly without obstruction from the vehicle's original mirror or sun visor.

3.2 Installing the Rear Camera

1. Determine the optimal mounting location for the rear camera, typically above the license plate or inside the rear window. Ensure the camera has a clear, unobstructed view.
2. Route the rear camera cable from the mounting location to the main dash cam unit. Carefully tuck the cable along the vehicle's headliner, A-pillar, and dashboard to conceal it.
3. Connect the rear camera cable to the AV-IN port on the main unit.
4. For reversing assistance, connect the red wire from the rear camera cable to your vehicle's reverse light power wire. This enables automatic display of the rear view with parking guidelines when shifting into reverse.

3.3 Connecting the GPS Module

1. Attach the GPS module to the vehicle's windshield, ideally in an area with a clear view of the sky to ensure optimal signal reception.
2. Connect the GPS module cable to the GPS Interface port on the main unit.

3.4 Power Connection and MicroSD Card

1. Connect the provided Type-C power cable to the dash cam's Type-C port and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket).
2. Insert a high-speed MicroSD card (Class 10 or higher, up to 256GB recommended) into the TF Card slot. Ensure the card is inserted correctly until it clicks into place.
3. Upon first use, or if experiencing recording issues, format the MicroSD card directly on the dash cam unit via the settings menu.



Figure 3.1: The Pelsee P12 mirror dash cam installed in a vehicle, providing a wide view of the road.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** The device automatically powers on and begins recording when the vehicle's ignition is turned on. It powers off automatically when the ignition is turned off.
- **Screen On/Off:** Tap the screen to turn it on or off. You can also set an automatic screen-off timer in the settings to use the device as a traditional rearview mirror.
- **Touch Screen Interface:** The 12-inch full touch display allows for intuitive navigation through menus and settings. Swipe gestures can be used to adjust camera views (front, rear, split screen) and screen brightness.



12" FULL TOUCH DISPLAY

Capturing more real-time traffic details at a resolution of 1440P and a wider angle



Figure 4.1: The 12-inch full touch display offers 1440P resolution with HDR for clear image capture.

4.2 Recording Modes

- Loop Recording:** The dash cam continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked files are automatically overwritten to ensure continuous recording.
- G-Sensor (Emergency Capture):** The built-in G-sensor detects sudden impacts or collisions. When triggered, it automatically locks the current video segment, preventing it from being overwritten by loop recording. These locked files are stored in a separate folder.
- Time-lapse Recording:** This feature compresses long periods of recording into short, viewable videos, saving storage space and allowing for quick review of extended events.

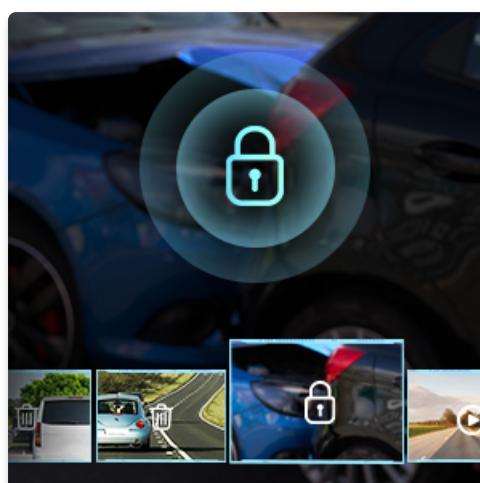


Figure 4.2: The G-sensor automatically detects collisions and locks video footage.



Figure 4.3: Loop recording ensures continuous operation by overwriting the oldest files.

4.3 Advanced Features

- **Voice Control:** Command the dash cam hands-free for safer driving. Common commands include:
 - "Start Recording"
 - "Stop Recording"
 - "Take Picture"

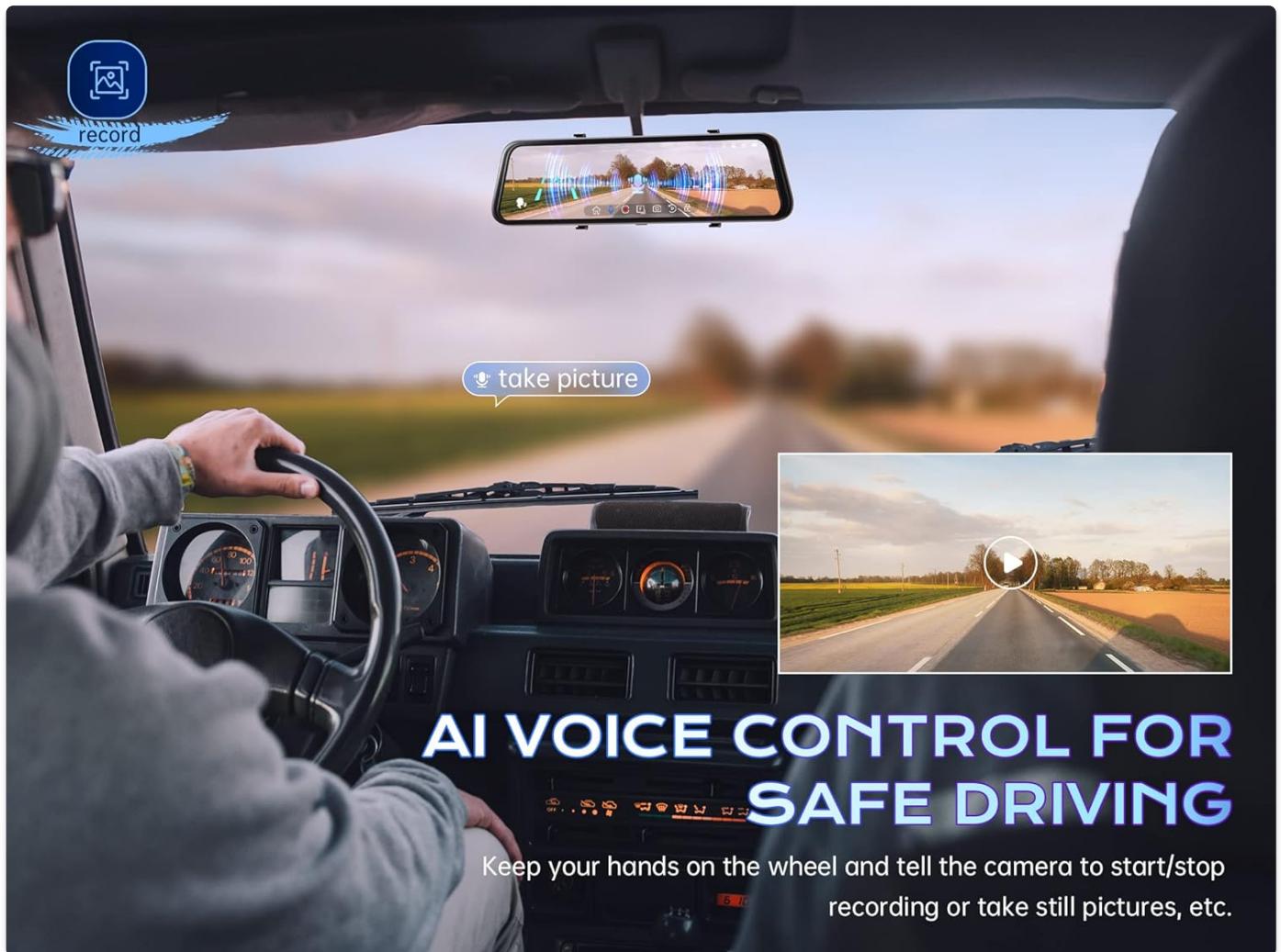


Figure 4.4: AI Voice Control allows hands-free operation for increased safety.

- **GPS Tracking:** The external GPS module accurately records your vehicle's location, speed, and driving route. This data can be viewed using a dedicated GPS player on a computer, providing crucial information in case of an

accident.



Figure 4.5: GPS tracking provides detailed route and speed information.

- **24H Parking Monitor:** With an optional ACC hardwire kit (sold separately), the dash cam can monitor your vehicle for impacts even when parked. If a collision is detected, it will automatically record a short, locked video.



Figure 4.6: The 24H Parking Monitor provides surveillance when your vehicle is parked.

- **ADAS Collision Avoidance Technology:** The Advanced Driver-Assistance System detects nearby obstacles and provides alerts for safer driving. This includes:
 - Forward Collision Warning
 - Pedestrian Collision Warning

- Lane Departure Warning
- Headway Monitoring
- Forward Movement Detection
- **BSD Algorithm (Blind Spot Detection):** Intelligent blind spot detection warns of potential collisions by monitoring dangerous blind spot areas, particularly when changing lanes or reversing.
- **Reverse Parking Assistance:** When the vehicle is in reverse, the dash cam displays the rear camera view with adjustable parking guidelines, assisting with precise parking maneuvers. The screen can be swiped to adjust the view.



Figure 4.7: Reverse parking assistance with guidelines for easier maneuvering.

- **HDR Technology:** High Dynamic Range technology minimizes glare and overexposure from bright lights (e.g., headlights, sunlight), ensuring clear video capture in various lighting conditions, especially at night.



ULTRA CLEAR NIGHT VISION

Enhanced with industry-leading sensor, effectively avoid the risk of glare from the high beams of the rear vehicle at night

Figure 4.8: Ultra Clear Night Vision with anti-glare technology for enhanced visibility.

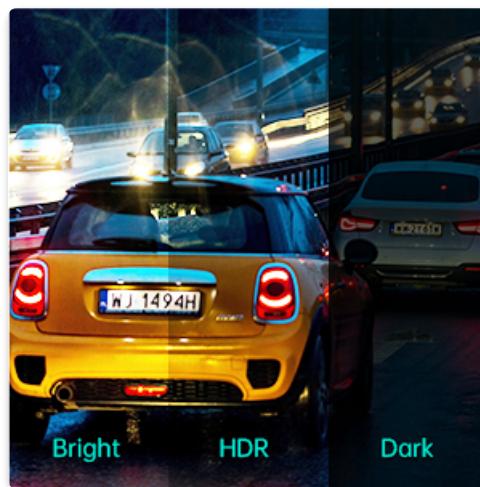


Figure 4.9: HDR technology optimizes image quality in varying light conditions.

5. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the dash cam screen and lenses. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- MicroSD Card Maintenance:** Regularly format the MicroSD card (at least once a month) through the dash cam's settings menu. This helps prevent data corruption and ensures optimal recording performance. Back up any important files before formatting.
- Firmware Updates:** Check the official Pelsee website periodically for firmware updates. Updates can improve

performance, add new features, or resolve known issues. Follow the provided instructions carefully when updating firmware.

- **Temperature Considerations:** Avoid exposing the dash cam to extreme temperatures for prolonged periods. If the vehicle is parked in direct sunlight, consider removing the dash cam or using a sunshade to prevent overheating.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Pelsee P12 dash cam.

- **Dash Cam Not Powering On:**

- Ensure the power cable is securely connected to both the dash cam and the vehicle's 12V power outlet.
- Check the vehicle's 12V power outlet for functionality.
- Verify the vehicle's ignition is on (if not hardwired for constant power).

- **Recording Issues (e.g., not recording, freezing):**

- Ensure a high-speed (Class 10 or higher) MicroSD card is inserted correctly.
- Format the MicroSD card via the dash cam's settings.
- Try a different MicroSD card to rule out card malfunction.
- Check if loop recording is enabled.

- **Poor Video Quality (blurry, dark, overexposed):**

- Clean the camera lenses.
- Ensure the protective film has been removed from the lenses.
- Adjust exposure settings in the menu if available.
- Verify HDR is enabled for challenging lighting conditions.

- **GPS Signal Not Found:**

- Ensure the GPS module is connected and mounted in an area with a clear view of the sky (e.g., dashboard, windshield).
- Move the vehicle to an open area away from tall buildings or dense foliage.

- **Voice Control Not Responding:**

- Speak clearly and directly towards the dash cam.
- Reduce background noise in the vehicle.
- Ensure the voice control feature is enabled in the settings.

- **Original Mirror Buttons Blocked by Mounting Bands:**

- Adjust the position of the rubber mounting bands to avoid obstructing critical buttons on your vehicle's original rearview mirror.

- **Rear Camera View Appears Zoomed In or Narrow:**

- Ensure the rear camera is mounted correctly and not upside down, as image flipping may not be supported.
- The viewing angle is fixed; ensure the camera is positioned to capture the desired area.

- **Screen On/Off Button Malfunction:**

- Utilize the automatic screen-off timer feature in the settings to minimize manual button presses.

- **Potential Car Battery Drain (when parked):**

- If using the 24H Parking Monitor, an ACC hardwire kit is required to prevent draining the car battery. Without it, unplug the dash cam when the vehicle is off for extended periods.

7. SPECIFICATIONS

Brand	pelsee
Model Name	P12
Product Dimensions	30.5 x 2 x 7.4 cm; 256 g
Video Capture Resolution	1440p (Front)
Orientation	Front & Rear
Vehicle Service Type	Car, Truck
Connectivity Technology	USB
Special Features	Built-In GPS, Night Vision, Real 1440P + HDR, Voice Control, ADAS, BSD, Loop Recording, G-sensor, 24H Parking Monitor
Included Components	P12 Pro mirror dash cam, Rear Camera, GPS Module, Power Cable, Mounting Straps
Mounting Type	Rearview Mirror Mount
Colour	Black
Batteries	1 Lithium Metal battery (included)

8. WARRANTY AND SUPPORT

Pelsee is committed to providing high-quality products and customer satisfaction.

- **Free Return:** 30 Days
- **Money-Back Guarantee:** 30 Days
- **Warranty:** 18 Months

For technical support, warranty claims, or any inquiries, please contact us:

Email: support@pelsee.com

Pelsee's Assurance & Service

30 Days
Free Return

30 Days
Money-Back

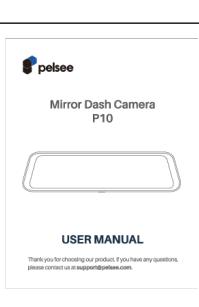


18 Months Warranty

support@pelsee.com

Figure 8.1: Pelsee's customer assurance and service information.

Related Documents - P12

 <p>Pelsee Pathsecurer P12 Mirror Dash Camera User Manual Comprehensive user manual for the Pelsee Pathsecurer P12 Mirror Dash Camera, covering installation, setup, features, settings, and troubleshooting. Learn how to effectively use your dash cam for enhanced driving safety and recording.</p>
 <p>Pelsee P12 Pro/P10 Pro Mirror Dash Camera User Manual Comprehensive user manual for the Pelsee P12 Pro and P10 Pro Mirror Dash Cameras, detailing installation, features, and operation for optimal use.</p>
 <p>Pelsee P10 Mirror Dash Camera User Manual User manual for the Pelsee P10 Mirror Dash Camera, covering installation, features, settings, and smart driving assistance functions.</p>

 <p>Mirror Dash Camera P12 Pro Max</p>  <p>USER MANUAL</p> <p>Thank you for choosing our product. If you have any questions, please contact us at support@pelsee.com.</p>	<p><u>Pelsee P12 Pro Max Mirror Dash Camera User Manual</u></p> <p>Comprehensive user manual for the Pelsee P12 Pro Max Mirror Dash Camera, covering installation, features, operation, app connectivity, troubleshooting, and specifications. Learn how to set up and use your dash cam for enhanced driving safety and recording.</p>
 <p>Mirror Dash Camera P12 Pro/P10 Pro</p>  <p>User Manual</p> <p>Thank you for choosing our product. If you have any questions, please contact us at support@pelsee.com.</p>	<p><u>Pelsee P12 Pro/P10 Pro Mirror Dash Camera User Manual</u></p> <p>Comprehensive user manual for the Pelsee P12 Pro and P10 Pro Mirror Dash Cameras, covering installation, features, settings, and troubleshooting. Learn how to set up and operate your dash camera for enhanced driving safety and recording.</p>
 <p>Mirror Dash Camera P10</p>  <p>USER MANUAL</p> <p>Thank you for choosing our product. If you have any questions, please contact us at support@pelsee.com.</p>	<p><u>Pelsee P10 Mirror Dash Camera User Manual - Installation, Features, and Specifications</u></p> <p>Comprehensive user manual for the Pelsee P10 Mirror Dash Camera. Learn about installation, features like BSD and LCA, system settings, and specifications. Get the most out of your dash cam.</p>

Documents - pelsee – P12



3-Channel WiFi Dash Camera

P2 Trio



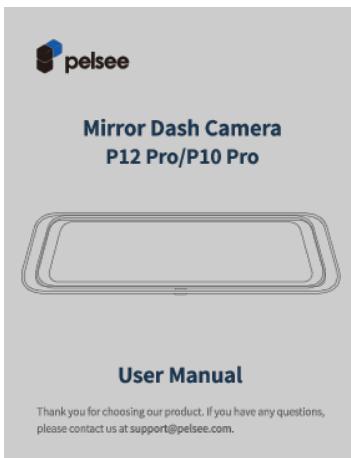
[\[pdf\] User Manual Instructions](#)

P12 Trio User Manual V1 05 EN cdr wenxiu ye 1 day ago — Before using the product please read and understand all instructions in user manual keep well for future reference 2 Only use P2 pelsee 2024 04 |||
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USER MANUAL

Please carefully read the user manual before using and keep it well for future reference.



[\[pdf\] User Manual Instructions](#)

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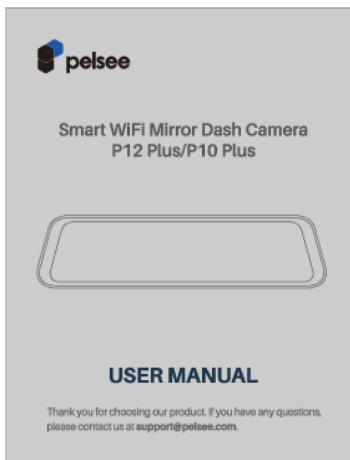
[Pelsee P12 Pro/P10 Pro Mirror Dash Camera User Manual](#)

Comprehensive user manual for the Pelsee P12 Pro and P10 Pro Mirror Dash Cameras, covering installation, features, settings, and troubleshooting. Learn how to set up and operate your dash camera for enhanced driving safety and recording.
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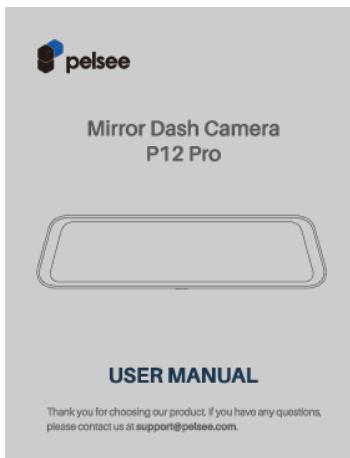
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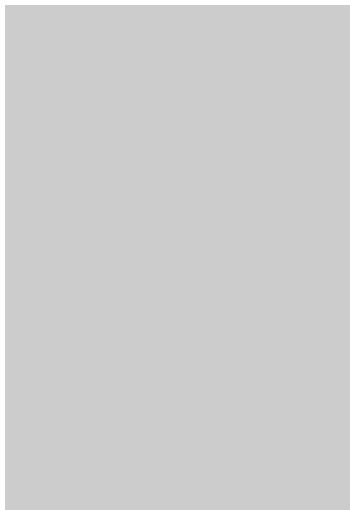
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Comprehensive user manual for the Pelsee P12 Pro and P10 Pro Mirror Dash Cameras, detailing installation, features, and operation for optimal use.

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FCC TEST REPORT
FCC ID: 2BAWC-P12PROMAX

Product	: Dash Cam
Model Name	: P12 Pro Max, P10, P10 Pro, P12, P12 Pro, P12 Ultra, P10 Ultra, P12 Plus, P10 Plus, P10 Elite, P12 Elite, P12 Ultra, P12 Pro Max, P10 Pro Plus
Brand	: Pelsee
Report No.	: NCT24004285E-FC03

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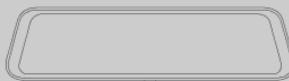
Shenzhen NCT Testing Technology Co. Ltd
A101&2F B2, Fugiao 6th Avenue, Xianghe Town, Fugiao Street, Bao'an District, Shenzhen, People's Republic of China
TEL: 400-688-8419
FAX: 86-755-27790922

[\[pdf\]](#) Test Report SAR Rating

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2BAWCP12PROMAX p12promax
FCC TEST REPORT FCC ID: 2BAWC-P12PROMAX Product Model Name Brand
Report No. : Dash Cam **P12** Pro Max, P10, P10 Pro, **P12**, **P12** Pro, **P12** Ultra, P10 Ultra, **P12** Plus, P10 Plus, P10 Elite, **P12** Elite, **P12** Pro Max, P10 Pro Max, **P12** Pro Plus : Pelsee : NCT24004285E-FC03 Prepared for Shenzhen Vycol-Glint I...
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Mirror Dash Camera
P12 Pro/P10 Pro



User Manual

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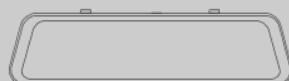
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Mirror Dash Camera
P12 Pro Max



USER MANUAL

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[\[pdf\]](#) Pelsee P12 Pro Max Mirror Dash Camera User Manual

Comprehensive user manual for the Pelsee P12 Pro Max Mirror Dash Camera, covering installation, features, operation, app connectivity, troubleshooting, and specifications. Learn how to set up and use your dash cam for enhanced driving safety and recording.

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FCC TEST REPORT
FCC ID:2BAWC-P12PROMAX

Product	Sur Cam
Model Name	P12 Pro Max, P10, P10 Pro, P12, P12 Pro, P12 Ultra, P10 Ultra, P12 Plus, P10 Plus, P10 Elite, P12 Elite, P12 Pro Max+, P10 Pro Max, P12 Pro Plus
Brand	Pelsee
Report No.	NCT24004285E-FC01

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FCC TEST REPORT FCC ID: 2BAWC-P12PROMAX Product Model Name Brand Report No. : Dash Cam **P12** Pro Max, P10, P10 Pro, **P12, P12** Pro, **P12** Ultra, P10 Ultra, : **P12** Plus, P10 Plus, P10 Elite, **P12** Elite, **P12** Pro Max , P10 Pro Max, **P12** Pro Plus : Pelsee : NCT24004285E-FC01 Prepared for Shenzhen Vycol-Glint...

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