

RYDEEN[®]



**RYDEEN
AHD
ECO SYSTEM**

Owner's Manual

MiNy360X

**MiNy 360° Dash Cam
with 3-inch Touch Screen**

Contents

1. Welcome Statement & Warnings.....	2
PRECAUTIONS & WARNINGS	2
2. What's in the Box	3
OPTIONAL ACCESSORIES.....	4
3. Product Overview	6
Wiring Diagram	7
4. Installation	8
5. Windshield Installation Method	8
6. Windshield Installation Method	12
7. User Interfaces.....	13
Video Recording Icon	14
Photo Icon	14
File Lock Icon	14
Settings Icon	15
Video Settings	15
General Settings	16
Two Modes for Display.....	17
Replay Videos and View Photo Icon.....	18
8. APP Interface.....	20
Homepage	20
Playback Interface.....	22
Settings	22
9. Specifications	25
10. Troubleshooting.....	26
11. Technical Support Contact Info.....	26
12. One Year Limited Warranty.....	26
13. To Obtain Warranty Service	27
14. FCC Compliance Statement	28
15. Copyright.....	28
16. Disclaimer.....	29

1. Welcome Statement & Warnings

PRECAUTIONS & WARNINGS

IMPORTANT INFORMATION

PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT

1. Before installation, please check if the product list is complete and free of damage.
2. The installation instructions may differ from the actual installation process on a vehicle. If there are any discrepancies, please contact us.
3. Installation of the product is for Authorized Dealers only. Any installation not done through an Authorized dealer is not covered under warranty.
4. Please read this installation instruction manual carefully before installing the product.
5. Before turning on the product after installation, please confirm that the installation and wiring are correct.
6. Check whether the installed product functions properly. If there are any issues, please check if all connectors have been securely connected.
7. Check if the original vehicle functions are working properly. If there are any issues, please check if all wiring has been securely connected.
8. Please do not install the product if you receive a damaged item. Please take photos immediately and contact our Return Department. Photos should be provided that include all parts of the product and can display the damage.



WARNINGS



- **DO NOT DROP ANY COMPONENTS OF THIS PRODUCT.** Excessive shock due to dropping any components in the system or subjecting it to excessive shock and vibrations may cause malfunction and is not covered by warranty.
- **DO NOT** use any sharp object to operate your unit's touch-screen display. Excessive force could damage the LCD display.
- **The MiNy360X Unit IS NOT WATERPROOF.** Avoid exposing it to rain or other forms of excessive moisture. **Only the rear camera is waterproof.**
- **Water damage is not covered under the warranty.**

**THE FOLLOWING INSTRUCTIONS ARE RECOMMENDED FOR
AUTHORIZED RYDEEN MOBILE INSTALLERS.**

2. What's in the Box

When opening the packaging box of this product, please make sure that all product accessories are complete.

Standard Package



MiNy360X



Dashboard Bracket *1



Electrostatic Sticker *1



**Power Wire Harness
with Proximity Radar*1**



**AHD Rear Camera
(CM-AHD7) *1 (C)**



**28ft AHD Camera
Extension Cable *1**



**Wedge 1
(Angle:27°)**

**Wedge 2
(Angle:21°)**

**27° Wedge Bracket *1
& 21° Wedge Bracket *1**



32GB SD Card *1



Pry Tool *1

OPTIONAL ACCESSORIES



If you want to purchase the optional accessories, please contact your retailer or contact RYDEEN, Toll Free at 1-310-787-7880 for product support, or visit our website: <https://rydeenmobile.com/>

RYDEEN BRK01 (SOLD SEPARATELY)



Box Shape Camera Bracket



U-Shape Camera Bracket



Backup Camera Screws

RYDEEN DIGITAL AHD CAMERA (SOLD SEPARATELY)



CM-SIDE AHD



CM-V90 AHD



CM-AHD6

RYDEEN JB01 (SOLD SEPARATELY)



Jeep Wrangler Bracket

RYDEEN BL01 (SOLD SEPARATELY)

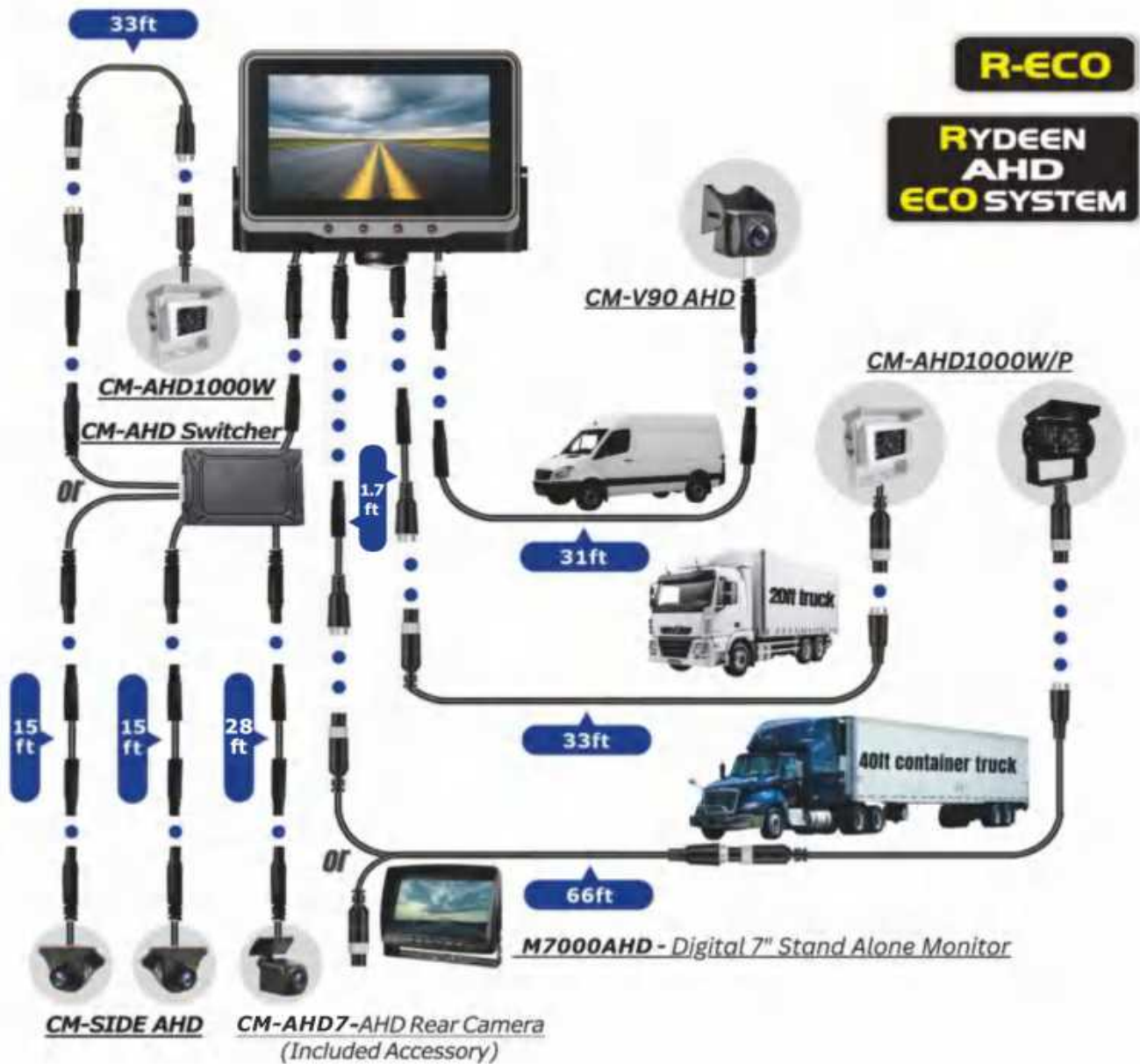


Universal License Plate Bracket

RYDEEN Cigarette Lighter & Power Adaptor Cable (SOLD SEPARATELY)



OPTIONAL ACCESSORIES USAGE SCENARIOS



3. Product Overview

MiNy360X

FRONT



BACK

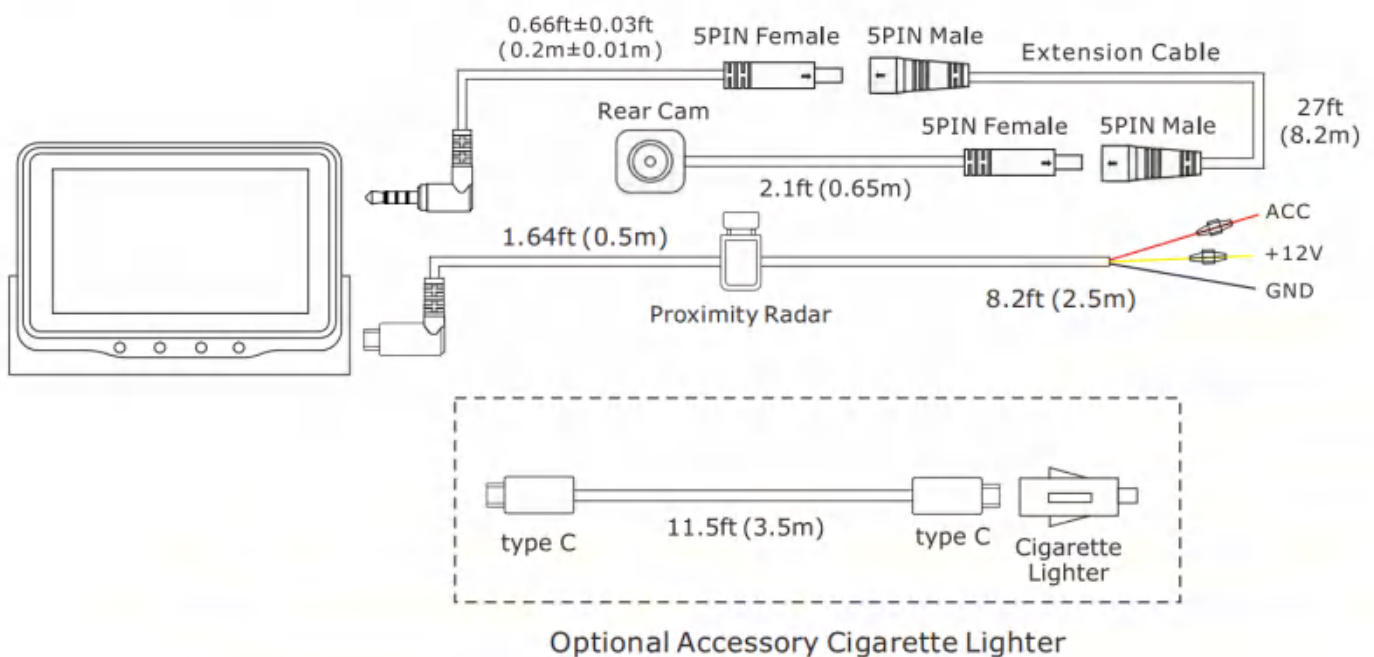


SIDE



No.	Item	Description
1	IR Light * 8	Equipped with four infrared lights for night time visibility for the exterior & interior of vehicle.
2	360° Camera	360-degree surround view camera.
3	Speaker	You can adjust the volume in the settings menu, or turn off the speaker
4	Power Button	Long press to power ON/OFF the MiNy360X.
5	MicroSD Card Slot	Insert or remove the microSD card.
6	2.5mm Mini AV Port	Connect the AHD rear camera.
7	Reset Button	Press and hold within rest hole to restart the MiNy360X.
8	Type-C Port	Connect the power wire harness.

Wiring Diagram



4. Installation



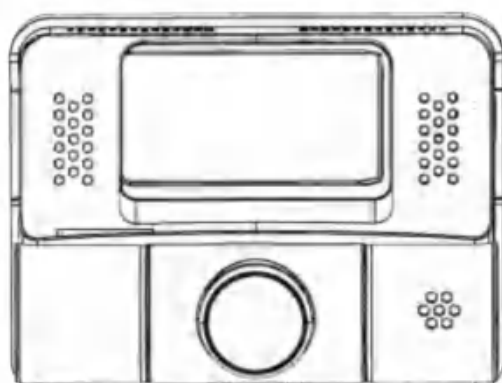
- THE FOLLOWING INSTRUCTIONS ARE INTENDED TO GIVE YOU A BRIEF GUIDANCE FOR INSTALLATION.
- Dropping your MiNy360X unit or subjecting it to excessive shock and vibrations may cause it to malfunction and is not covered by warranty.
- Install the device carefully on the windshield. Improper installation or excessive force may cause damage to the glass. RYDEEN is not responsible for damage caused by improper installation.

5. Windshield Installation Method

Step 1

Attach the Mounting Wedge to the MiNy360X.

- 1) Select the appropriate mounting wedge (27° or 21°) based on the desired installation angle.
- 2) Align the wedge with the sliding slot on the back of the MiNy360X.
- 3) Slide the wedge into the slot from right to left until it is fully seated.



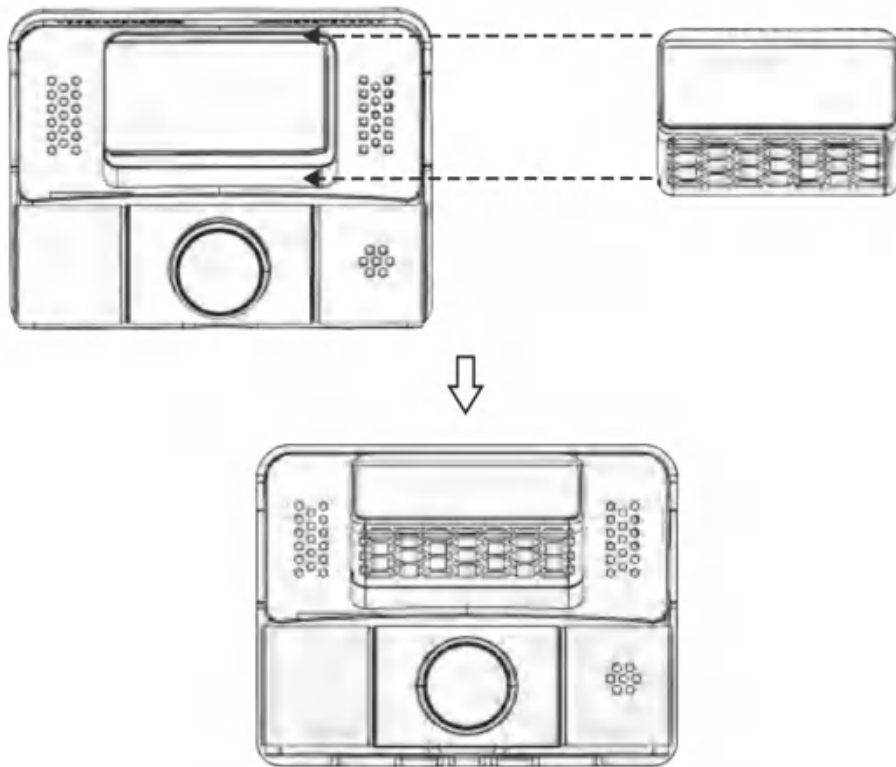
Wedge 1
(Angle: 27°)

OR



Wedge 2
(Angle: 21°)

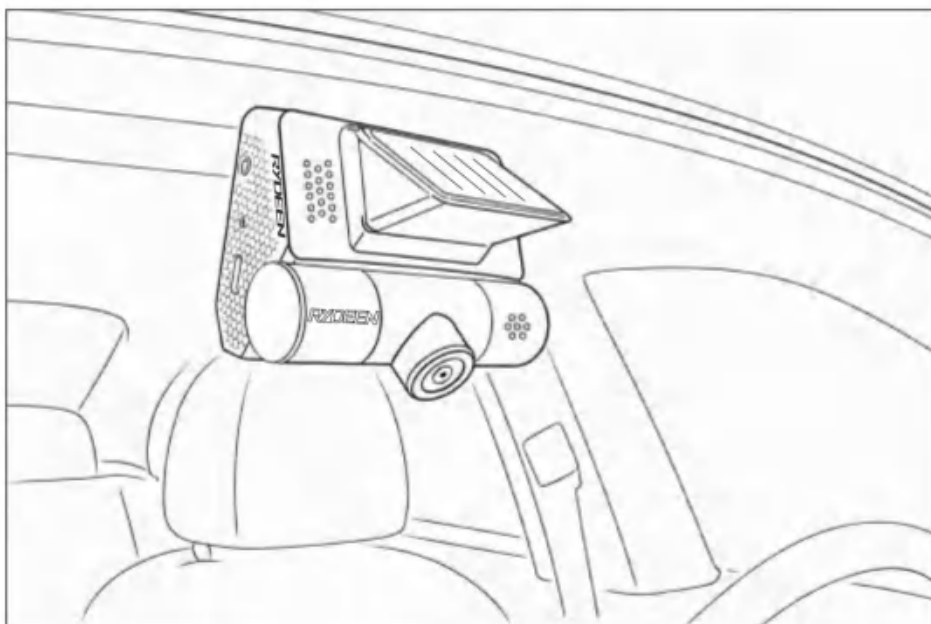




Step 2

Install the MiNy360X to the windshield.

- 1) Clean the selected windshield area thoroughly. Ensure the surface is dry, clean, and free of dust or oil before installation.
- 2) Select a mounting position on the windshield that does not obstruct the driver's forward view, preferably beside the original rearview mirror.
- 3) Apply the electrostatic sticker to the selected area. Attach one edge first, then press evenly to secure the sticker without air bubbles.
- 4) Mount the MiNy360X onto the electrostatic sticker and press firmly to secure.



Step 3

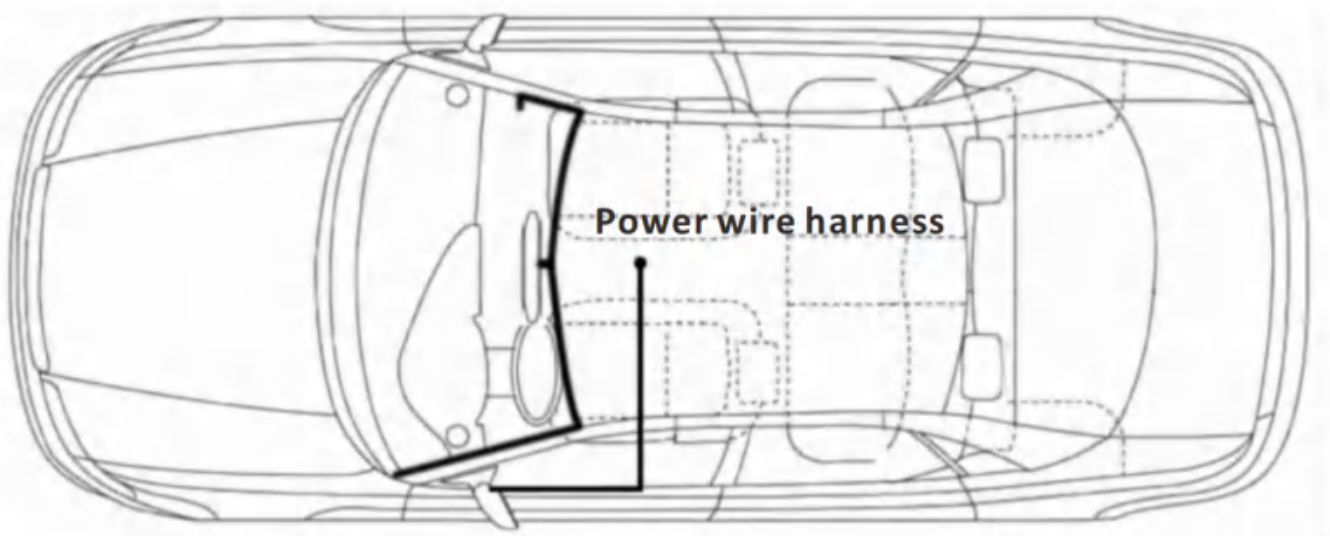
Install the proximity radar.

- 1) Mount the radar at the center of the windshield. This ensures a more symmetrical detection range and improved performance.
- 2) Position the radar, confirm alignment, then press firmly to secure.

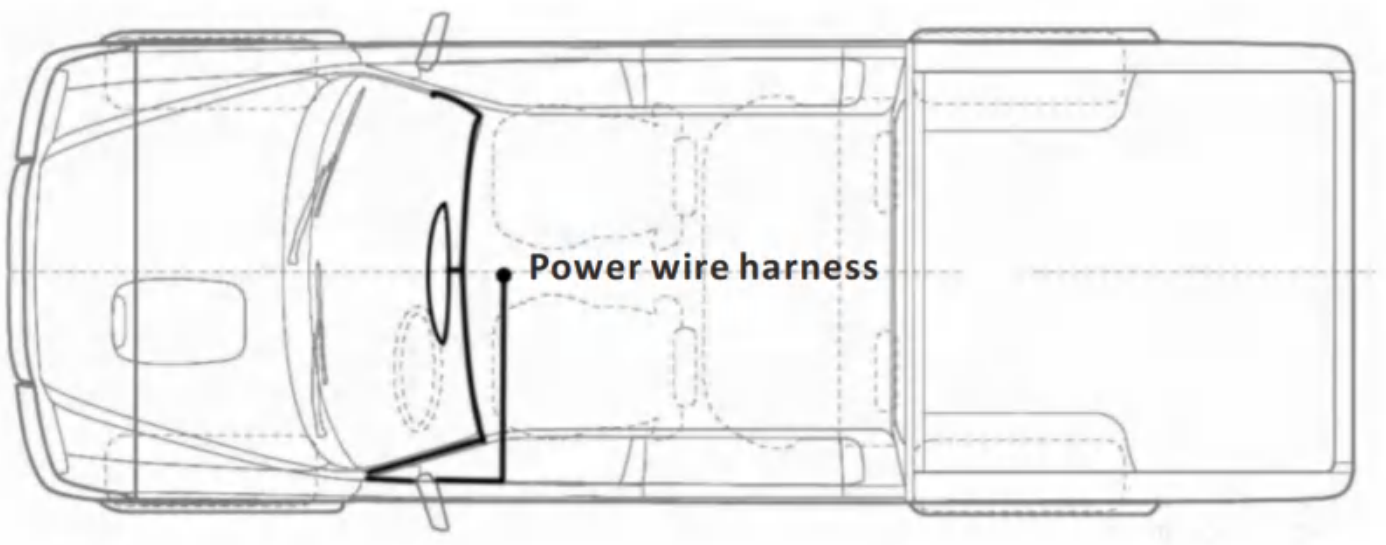
Step 4

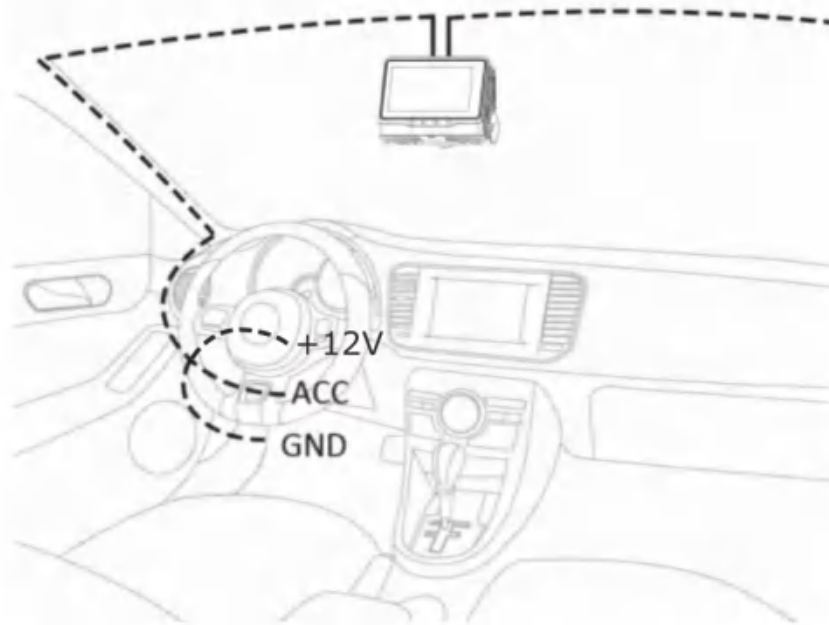
Connect the cigarette lighter or power wire harness and use pry tool to route the wires according to the installation diagram (page 7).

For Cars

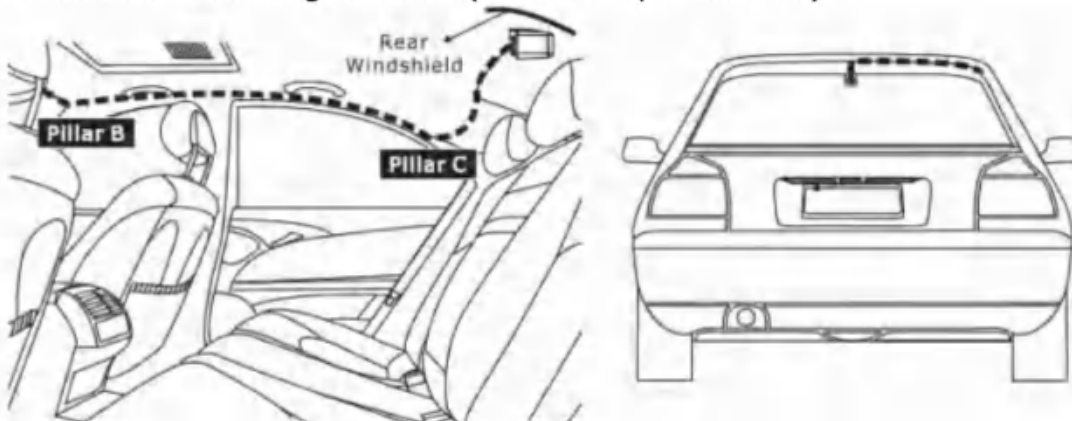


For Trucks

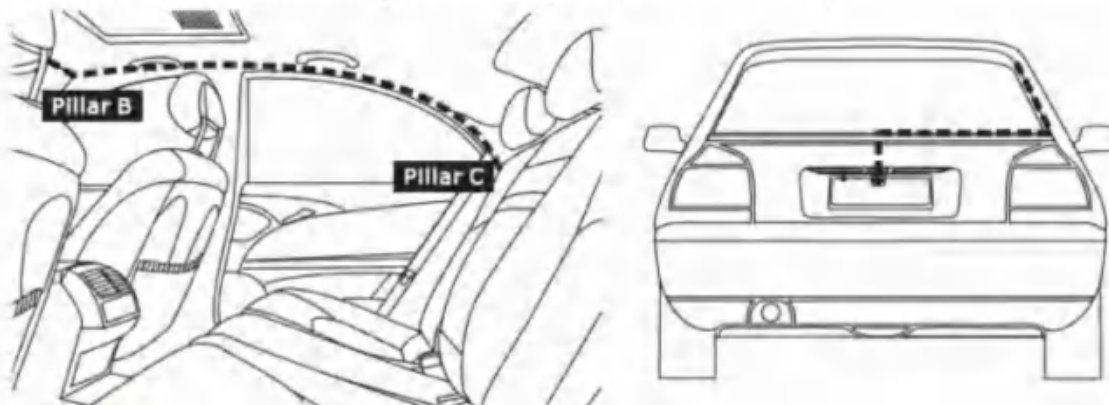


Inside View**Backup Camera Installation Position Option Diagram**

Rear windshield mounting location (Interior top-mounted)



Above license plate mounting location (Exterior mounted)

**Step 5**

Turn the vehicle on and verify that all the functions are working properly.

6. Dashboard Installation Method

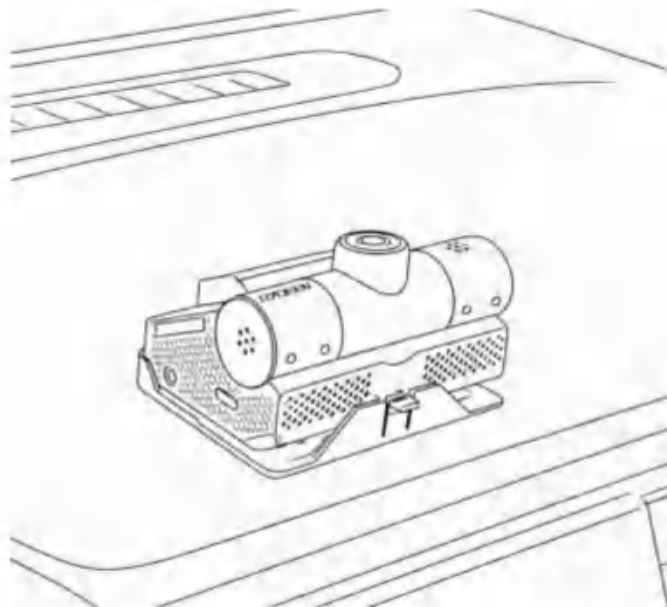
(1) Attach the Dashboard Bracket to the MiNy360X.

- 1) Align the dashboard bracket with the mounting interface on the MiNy360X.
- 2) Attach the dashboard bracket to the MiNy360X until it is fully seated and securely engaged.



(2) Install the MiNy360X to the dashboard.

- 1) Select a flat and stable location on the dashboard, preferably near the center, ensuring the display is clearly visible and does not obstruct driving operation.
- 2) The gel adhesive pad is pre-installed. Remove the protective film and press firmly to attach the dashboard bracket.
- 3) Place the MiNy360X with the attached dashboard bracket onto the selected location.



(3) Install the proximity radar.

- 1) Position the radar on the dashboard, close to the main unit. Ensure the mounting surface is flat, stable, and free from obstructions to the driver's line of sight.
- 2) Align the radar sensor with the vehicle's forward direction. Apply firm pressure to secure it in place.

(4) Proceed to Step4 - Step5 on Page 10-Page 11.

7. User Interfaces

Start-up Screen



Power down Screen



Main UI



Image 1



Image 2

7.1 Video Recording Icon



The MiNy360 records at startup (default). When the system is recording the normal files, the red dot will appear on the top center of the screen. To stop/ start recording, simply press on the icon.



Note: MiNy360 Maximum microSD card size is 256GB and Minimum storage required is 16GB. For new microSD card, it takes time for formatting and pre-allocating, bigger memory space takes longer.

7.2 Photo Icon



Select the photo icon to take a snapshot. Images will be saved in ".jpeg" format inside the picture folder.

7.3 File Lock Icon



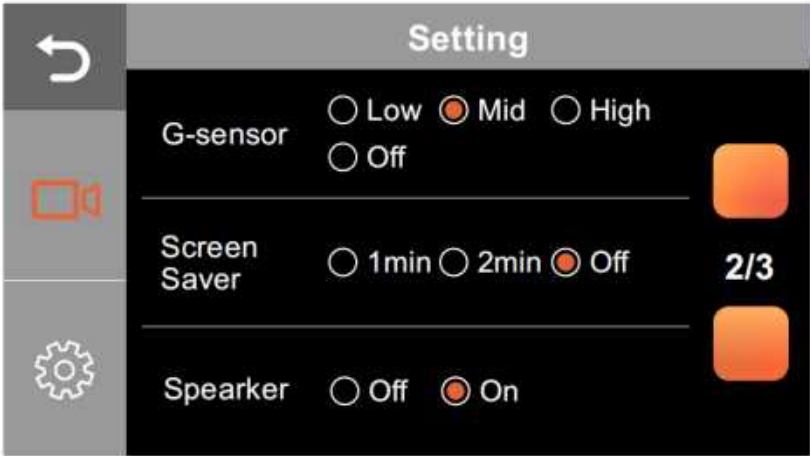
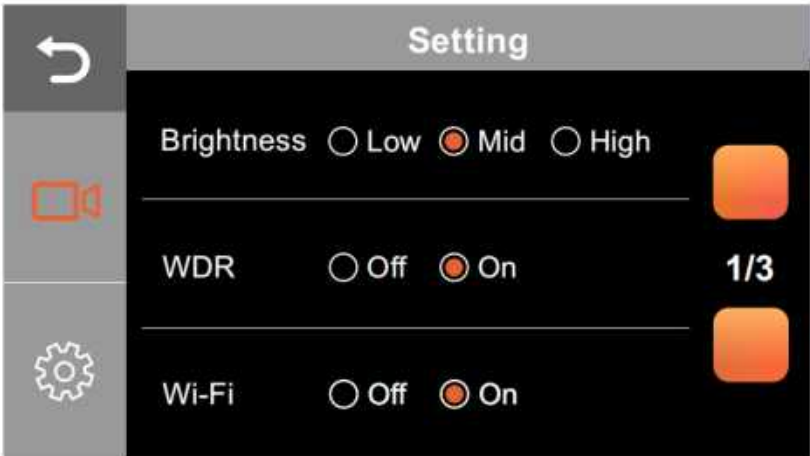
While recording, press this icon to record an SOS file. When the system is recording an SOS file, a lock icon will appear behind the red dot.

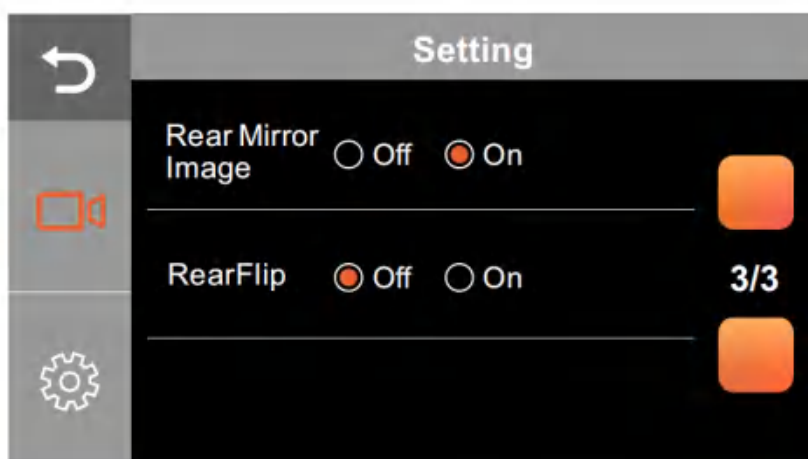


Note: When recording a 30-second SOS video, to protect critical files, you can only take snapshot, any other operations are not available.

7.4 Settings Icon

7.4.1 Video Settings





Brightness ----- Select the screen brightness level.

WDR ----- Turn on/off Wide Dynamic Range.

Wi-Fi ----- Turn on/off Wi-Fi connection with mobile phone APP.

G-sensor ----- Select the sensitivity of the G-sensor. The higher the selection, the higher the sensitivity of the G-sensor. Selecting "Off" will disable the G-sensor during normal operation. In sleep mode, G-sensor will be enabled.

Screen Saver ----- Display will turn off automatically after selected time has been reached with on usage. Selecting "Off" will keep display on during vehicle operation.

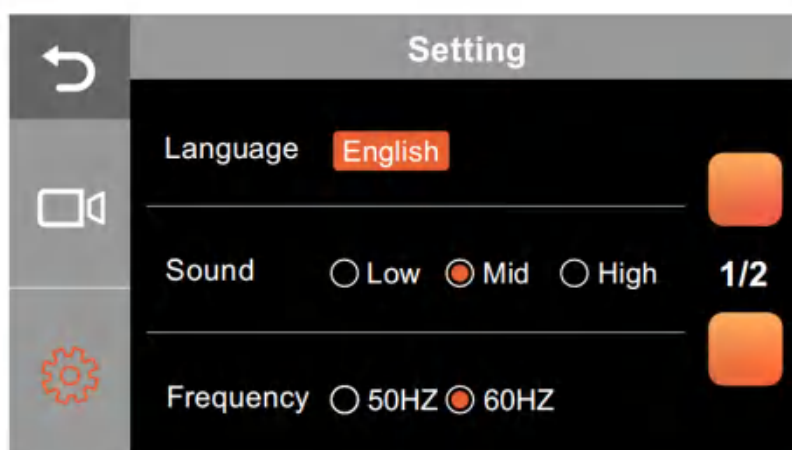
Note: When installed on the dashboard, the MiNy360X will automatically turn off the screen.

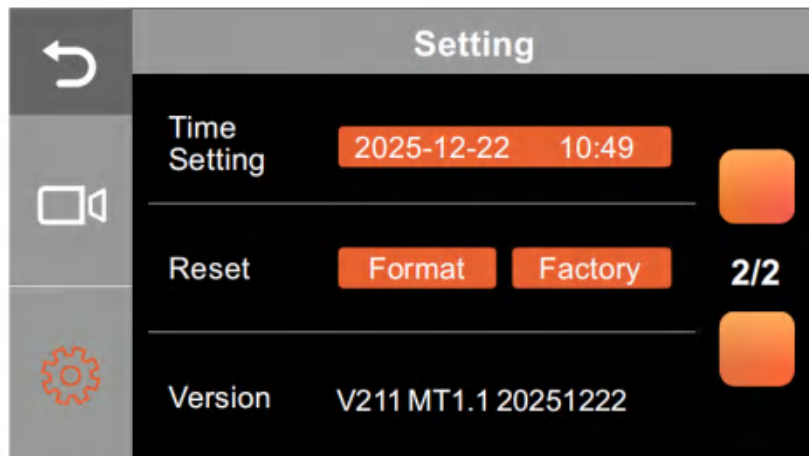
Speaker ----- Turn on / off the system key press sound.

Rear Mirror Image ----- Switch between standard view (Off) and mirror view (On).

RearFlip ----- Switch the rear display between standard view (Off) and flipped view (On).

7.4.2 General Settings





Language ----- Select the system language, there are four languages (English, French, Spanish, and Japanese)

Sound ----- Adjust volume level.

Frequency ----- Choose the frequency that matches your region's power standard to ensure stable, flicker-free video.

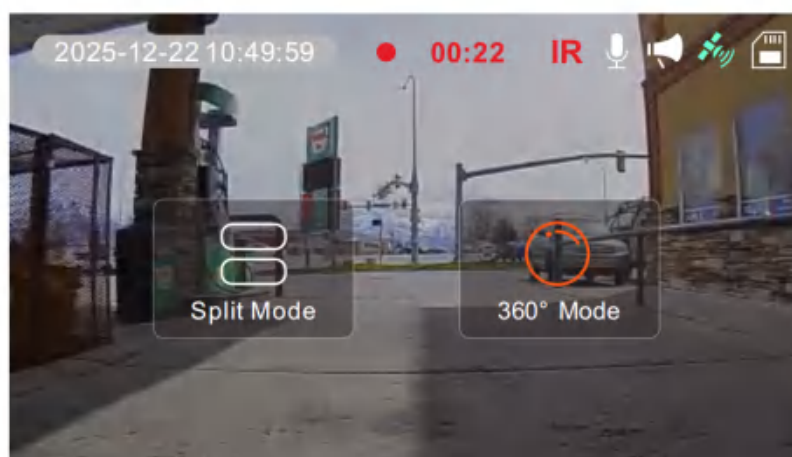
Time Setting ----- Manually set the date and time in the menu.

Format ----- Delete all files in microSD card.

Factory ----- Select this function to reset all settings back to default.

Version ----- Show current software version installed in your device.

7.5 Two Modes for Display



Split Mode

In split mode, you can orientate each individual screen to view a specific perspective of the front of the vehicle and inside view of the vehicle.

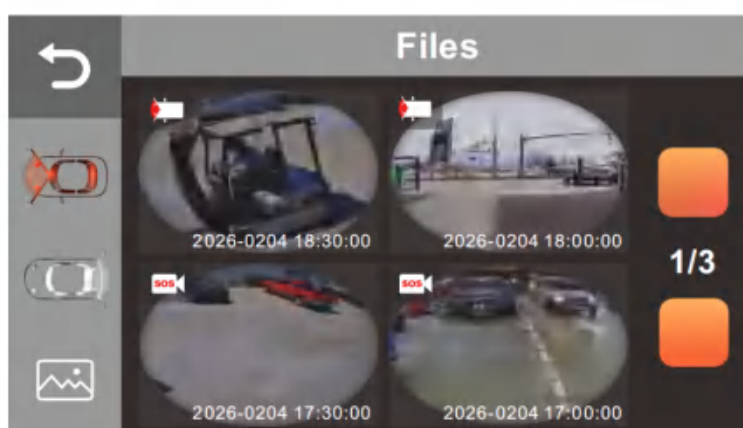


360° Mode

360° mode is the factory default display mode, which can be changed through the screen display mode selection icon. In this mode, you can swipe the screen left and right to view a 360-degree panoramic view of the inside and outside of the vehicle and view a particular perspective.



7.6 Replay Videos and View Photo Icon



Touch the icon  to enter the files for the front and backup camera recordings and view the snapshots. Recordings and images only viewable when system is not recording.

Select the icon  to view front camera recorded videos.

Select the icon  to view backup camera recorded videos.

Select the icon  to view the photos.

 indicates front camera files,  indicates rear camera files, and  indicates SOS recordings. SOS recordings are saved with an "SOS" tag.



8. APP Interfaces

To connect to mobile phone

Please download the Viidure from the following QR Codes.



Rydeen 360



iOS



Android

8.1 Homepage

The screenshot shows the Rydeen app interface with the following callouts:

- Wi-Fi Connection Status**
Green indicates connected; gray indicates not connected
- Connected Device**
Show the name of the connected device
- Device Switching**
Switch to another available device
- Snapshot Capture**
Capture a still image.
- Recording Control**
Start or stop recording.
- Device Media Library**
View media stored on the connected device.
- Home Dashboard**
Return to the main application page.
- Video Management**
Access additional video management options.
- Image Mirror**
Enable or disable image mirroring.
- Full-Screen Mode**
Enter full-screen display mode.
- Camera View Switching**
Toggle between front and rear camera views.
- Local Media Library**
View media stored on the mobile device.
- User Account Center**
Access account settings and user information.

8.1.1 Device Switching Interface



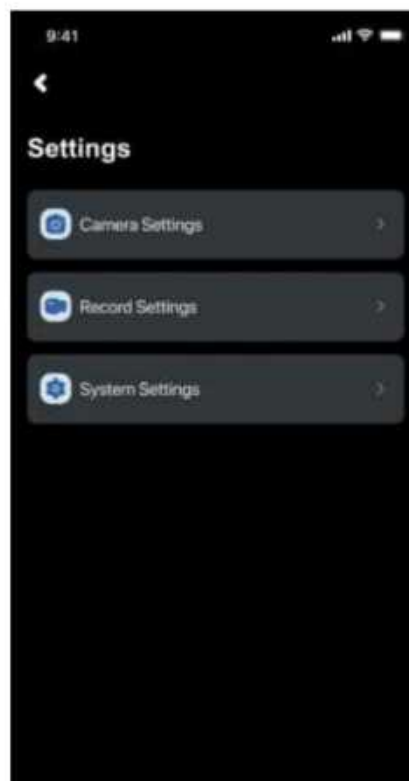
Note: After selecting any device, the system will display three connection guide images.



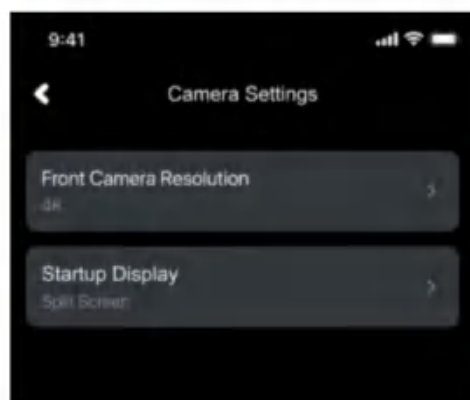
8.2 Playback Interface

- 
- The screenshot shows a video player interface with a central video view and a bottom grid of thumbnails. Callouts point to various controls and view options:
- 1 Fisheye View**
Original fisheye image
 - 2 Split View**
Two views displayed
 - 3 Quad View**
Four views displayed
 - 4 Panoramic View**
Wide panoramic view
 - 5 3D Surround View**
Top-down surround view
 - 6 Single View**
Single standard view
 - 1 Zoom In**
Enlarge the video view
 - 2 Zoom Out**
Reduce the video view
 - 3 Horizontal Mirror**
Flip the image horizontally
 - 4 Vertical Mirror**
Flip the image vertically
 - 5 Full Screen**
Enter full screen mode

8.3 Settings



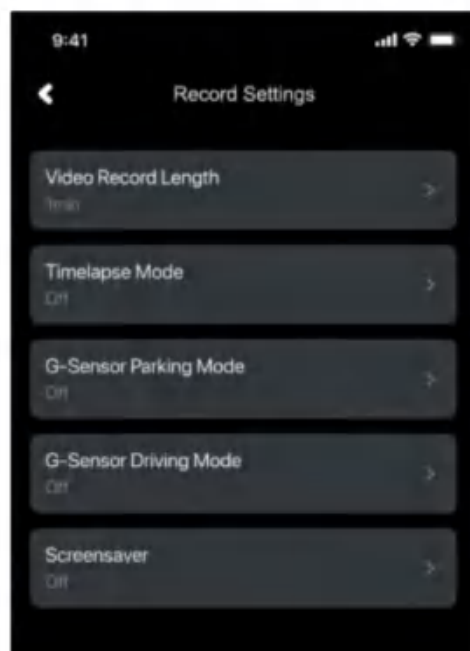
8.3.1 Camera Settings



Front Camera Resolution ----- Select the video resolution for the front camera (4K / 2K / 1K).

Startup Display ----- Select the display mode shown at startup (Split Screen / Front Camera / Rear Camera).

8.3.2 Record Settings



Video Record Length ----- Select the loop recording duration (1 min / 2 min / 3 min).

Timelapse Mode ----- Enable or disable time-lapse recording in parking mode (Off / 12H / 24H).

G-Sensor Parking Mode ----- Adjust the G-sensor sensitivity in parking mode (Off / High / Medium / Low).

G-Sensor Driving Mode ----- Adjust the G-sensor sensitivity during driving (Off / High / Medium / Low).

Screensaver ----- Set the idle time before the screensaver activates (Off / 1 min / 2 min / 3 min).

8.3.3 System Settings

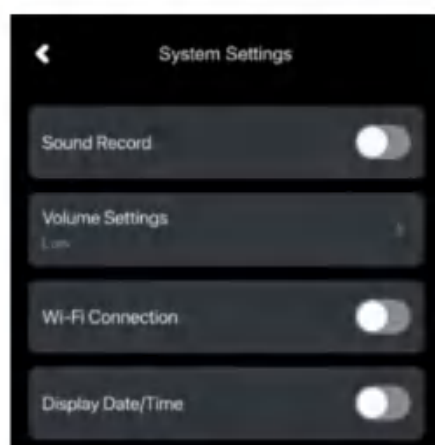


image 1

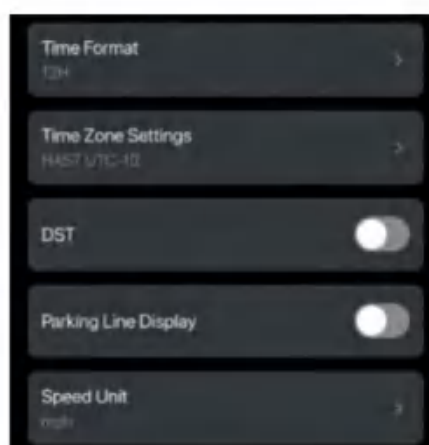


image 2



image 3

Sound Record ----- Turn audio recording on or off (ON / OFF).

Volume Settings ----- Adjust the system volume level (Low / Mid / High).

Wi-Fi Connection ----- Enable or disable the Wi-Fi function (ON / OFF).

Display Date/Time ----- Turn the on-screen date and time display on or off (ON / OFF).

Time Format ----- Select the time display format (12H / 24H).

Time Zone Settings ----- Select your local time zone (HAST UTC-10 / AST UTC-9 / PST UTC-8 / MST UTC-7 / CST UTC-6 / EST UTC-5).

DST ----- Enable or disable Daylight Saving Time (ON / OFF).

Parking Line Display ----- Turn the parking guideline display on or off (ON / OFF).

Speed Unit ----- Select the GPS speed unit (KM/H / MPH).

Language ----- Select the system language (Japanese / French / English / Spanish).

Format microSD Card ----- Select this option to delete all files stored on the microSD card.

Factory Reset ----- Select this option to restore all settings to factory default.

GPS Information ----- Displays current GPS status and satellite information.

Note:

1) When the mobile app is connected via WiFi, the DVR function can only be controlled through the app. Touchscreen operations will resume 30 seconds after exiting the app.

2) For safety, park in a secure location and engage the parking brake before connecting the mirror app via WiFi, as the rearview monitor and camera functions will be disabled.

3) Keep your vehicle's ACC on while using the app to download videos or watch live camera footage on your phone.

8. Specifications

Basic Parameters	
Video Input (backup camera)	AHD
System Language	English, French, Spanish, Japanese
Screen Dimensions	480 × 854
Front Camera	1920×1920 / H: 360° / V: 220°
Wi-Fi	5.8G
Speaker	8Ω / 1W
GPS	Built-in
Power Supply Voltage	DC 5V (DC 12V~24V)
Rated Current	Built-in microSD card (Class10 high-speed card)
Super Capacitor	5.5V@5F
System	Linux
Storage	MicroSD / ≥class10 / 16GB-256GB
Operational Temperature	-10°C~ +60°C
Storage Temperature	-30°C~ +70°C
Operational Humidity	45%~80%RH
Storage Humidity	30%~90%RH
Backup Camera Parameters	
Resolution	1920*1080
Construction	3G+3P
Water Proof	IP67
Viewing Angle	H: 116°±5° / V: 58°±5°
Proximity Radar Parameters	

9. Troubleshooting

- No display: Check to ensure the cable is properly connected and terminal connection is not loose.
- Rydeen logo stuck on screen start-up: Please insert a small pin into reset hole and restart.
- GPS suddenly no signal:
 - a. You have entered a tunnel or other area where there is no GPS signal.
 - b. Please check whether the GPS cable is loose or disconnected.
- GPS Time Zones shows wrong time: This may be that the time zone of your area cannot be accurately identified by GPS. Please manually select your time zone in Settings
- No video (screen without red dot):
 - a. The microSD card is not formatted or corrupted.
 - b. The microSD card is not inserted in place.
- The image display is hazy or blurry: Check if the lens is dirty.

10. Technical Support Contact Info

For any questions about **MiNy360X**, please contact your retailer or RYDEEN Technical Support:

- Phone: **1-310-787-7880** Fax: **1-310-787-7881**
- Email: tech1@rydeenmobile.com
- Web: <https://rydeenmobile.com/contact-support/>

11. One Year Limited Warranty

RYDEEN MOBILE (a manufacturer of "RYDEEN" products) warrants product (MiNy360X) only to the original purchaser as described following:

Warranty Period

Rydeen warrants this product for a period of one (1) year from the original purchase date.

Warranty Coverage

This warranty covers all defects in material and workmanship except as specified below.

1. Any products distributed outside of the USA by Rydeen North America, Inc. (Rydeen) or which is not purchased in the USA or Canada unless the product is purchased through the USA Military Exchange Service.
2. Any product(s) which are purchased from an unauthorized retailer (in store or online).
3. Any products in which the serial number label or the model number label are removed, torn, modified or replicated.
4. Any damage defects or malfunctions resulting from any of following:
 - a) When defect occurs during shipment of product (freight carrier's responsibility).
 - b) Installation or removal of product.
 - c) Accidents, act of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow product owner's manual instructions.
 - d) Any repair or attempt to repair without RYDEEN authorization.
 - e) Any other cause which is not related to product defect.
 - f) Any cosmetic damages due to normal wear and tear.
 - g) Any consumable items (such as fuse or batteries).

If any problems develop with your Rydeen products during or after the Limited Warranty Period, or if you have any questions regarding the operation or installation of the product, you should contact your Rydeen retailer. If the problem or your question is not handled to your satisfaction, please contact Rydeen Customer Service Department at 1-310-787-7880 on Monday-Friday between 8:00 AM to 5:00 PM Pacific Standard Time or visit www.Rydeenmobile.com.

12. To Obtain Warranty Service

If warranty service is required for your Rydeen product:

1. Please call Rydeen Customer Service Department at 1-310-787-7880, Monday-Friday between 8:00 AM to 5:00 PM Pacific Standard time and obtain a Return Authorization Number ("RA") Number.
2. Please pay for any shipping charge to Rydeen Customer Service Department. Rydeen will pay the return shipping charge, if the repair or service was performed during the warranty period. Rydeen will ship freight collect (recipient is responsible for shipping charge) if Rydeen determine the service was performed outside of warranty period or exclusions described above. Rydeen will not accept warranty service requests from outside of the U.S.A. even if product was purchased in the USA.
3. Please include a copy of your original purchase receipt including Rydeen product model number, purchase date, retailer name/address and a RA Number whenever your product is sent for warranty service.

4. Rydeen will pay for all labor and material expenses for covered product during warranty period.
5. Shipping address for Rydeen Customer Service Department is following:
Rydeen North America, Inc. (a manufacturer of Rydeen products), 2701 Plaza Del Amo, Unit 705, Torrance, California 90503, USA.

13. FCC Compliance Statement

This device complies with Part 15 of the FCC interference limits for Class B digital devices for home or office use. These limits are designed to provide more reasonable protection against harmful interference in a residential installation and are more stringent than "outdoor" requirements.

Operation of this device is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

14. Copyright

1. Intellectual Property Rights of Software are proprietary to RYDEEN North America, Inc. or its suppliers and are subject to copyright and other intellectual property laws. Client's only rights with respect to any RYDEEN North America, Inc. software included with the products shall be provided, under the terms of RYDEEN North America, Inc. software license. The title to all RYDEEN North America, Inc. Software remains with RYDEEN North America, Inc. Client agrees that RYDEEN North America, Inc. retains ownership of all rights, title and interest in all intellectual property, works of authorship, trade secrets and the like in all aspects of the Product(s). Client and its affiliates and subcontractors agree not to reverse engineer any aspect of the Software and/or Products supplied under this agreement and further agree to pay assessed damages should such action take place.
2. Copyright and Copies. The Software (including any copy thereof) is owned by RYDEEN North America, Inc. or its suppliers and is protected by United States, Canadian, European, Brazilian and Australian copyright and patent laws and international treaty provisions. The Software copy is licensed to you the client, not sold to you, and you (the client) are not an owner of any copy thereof. You may make one copy of the software for backup or archival purposes. You may not otherwise copy the software, except as authorized by applicable law, nor the written materials accompanying the Software. RYDEEN North America, Inc. hereby reserves all rights not explicitly granted in this license agreement.
Software Copyright © 2026, RYDEEN North America, Inc.

15. Disclaimer

The information in this user's manual is for general guidance. The images in the manual may be similar to the images shown in the actual product, but they do not exactly match. Depending on the optional package, some functions described in the manual may not be available or the functions described may be restricted.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



rydeenmobile.com

Rydeen North America, Inc.

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