

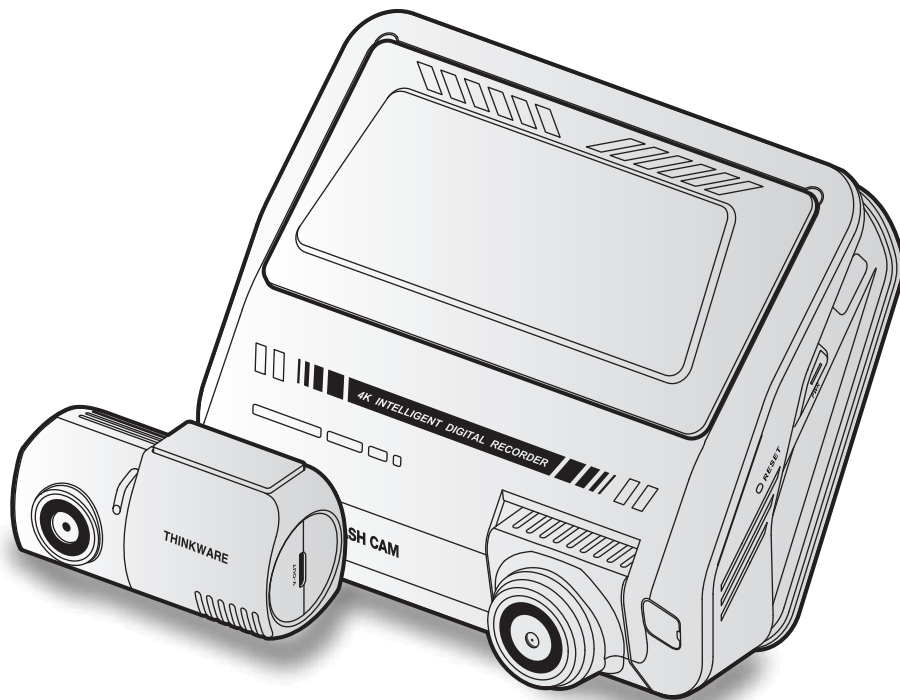
THINKWARE DASH CAM™

ARC 900

User Guide

This product records videos while the vehicle is operating.

Read and follow the instructions in this guide to properly use and maintain the product.



Before using the product

About the product

This product records videos while the vehicle is operating. Use this product only for reference when investigating incidents or road accidents. This product is not guaranteed to record all events. The device may not record accidents with impacts that are too minor to activate the impact sensor or accidents with massive impacts that cause the vehicle's battery voltage to deviate.

Please read the user guide thoroughly before using this product. The manufacturer is not responsible for any accidents that occur due to not reading the user guide thoroughly.

A PC meeting the minimum OS requirements is necessary for using all of this product's functions. Please check the "Using the mobile viewer" and "Using the PC viewer" sections later for details.

Video recording does not begin until the product is completely turned on (booted up). To ensure that all vehicle events are recorded, wait until the product is completely booted up after turning it on, and then begin operating the vehicle.

This product currently displays the product's status with LEDs. People who have difficulty distinguishing the colors of LEDs, such as those with color blindness or another color vision deficiency, should use it with caution.

Depending on the vehicle's configuration or operating conditions, such as the installation of remote door lock devices, ECU settings, or TPMS settings, some product features may not be supported, and different firmware versions may influence the product's performance or features.

About the user guide

The information provided in the guide may change when the manufacturer updates its service policy.

If the information provided changes, the THINKWARE website (www.thinkware.com) and its app will provide separate guidance.

This user guide is intended for THINKWARE ARC900 models only, and it may contain technical errors, editorial errors, or missing information.

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Registered trademarks

THINKWARE ARC900 is a registered trademark of THINKWARE.

Other product logos and service names in this guide are trademarks of the relevant companies.

Turning voice recording ON or OFF

Some jurisdictions may prohibit recording voice in the vehicle or may require that all passengers have knowledge of the recording and provide consent before you record voice in the vehicle. It is your responsibility to know and follow all laws and restrictions for your jurisdiction.

The device can record voice using the integrated microphone while recording video. Voice recording is ON by default. Please refer to the manual to turn voice recording on or off at any time.

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Safety information

Read the following safety information to properly use the product.

Safety symbols in this guide



"Warning" - Indicates a potential hazard which, if not avoided, may result in injury or death.



"Caution" - Indicates a potential hazard which, if not avoided, may result in minor injury or property damage.



"Note" - Provides useful information to help users better utilize the product's features.

Safety information for proper use

Driving and product operation



- **Do not operate the product while driving a vehicle.** Distraction while driving may cause accidents and result in injury or death.
- **Install the product in places where the driver's view is not obstructed.** Obstruction of the driver's vision may cause accidents and result in injury or death. Check with your state and municipal laws before mounting the product to the windshield.

Power supply



- **Do not operate or handle the power cable with wet hands.** Doing so may result in an electrocution.
- **Do not use damaged power cables.** Doing so may result in an electrical fire or electrocution.
- **Keep the power cable away from all heat sources.** Failure to do so may cause the power cord insulation to melt, resulting in electrical fire or electrocution.
- **Use the power cable with the correct connector and make sure the power cable is connected securely and is firmly in place.** Failure to do so may result in an electrical fire or electrocution.
- **Do not modify or cut the power cable.** Also, do not place heavy objects on the power cable or pull, insert, or bend the power cable using excessive force. Doing so may result in an electrical fire or electrocution.



- **Use only genuine accessories from THINKWARE or an authorized THINKWARE dealer.** THINKWARE does not guarantee compatibility and normal operation of third-party accessories.
- **When connecting the power cable to the product, ensure that the connection between the cable plug and the power cable connector on the product is secure.** If the connection is loose, the power cable may become disconnected due to vehicle vibration. Video recording is not available if the power connector is disconnected.

Children and pets



Ensure that the product is out of the reach of children and pets. If the product breaks, it may result in fatal damage.

Other information about the product

Product management and operation



- **Do not expose the product to direct sunlight or intense light.** The lens or internal circuitry may fail otherwise.
- **Use the product at a temperature between 14°F and 140°F (-10°C to 60°C) and store the product at a temperature between -4°F and 158°F (-20°C to 70°C).** The product may not function as designed and some permanent physical damages may result if it is operated or stored out of the specified temperature ranges. Such damages are not covered by the warranty.
- **Frequently check the product for the proper installation position.** Impact caused by extreme road conditions may alter the installation position. Ensure that the product is positioned as instructed in this guide.
- **Do not apply excessive force when pressing the buttons.** Doing so may damage the buttons.
- **Do not use chemical cleaners or solvents to clean the product.** Doing so may damage plastic components of the product. Clean the product using a clean, soft, and dry fabric.
- **Do not disassemble the product or subject the product to impact.** Doing so may damage the product. Unauthorized disassembly of the product voids the product warranty.
- **Handle with care.** If you drop, mishandle, or expose the product to external shocks, it may cause damage and/or result in the malfunction of the product.
- **Do not attempt to insert foreign objects into the device.** Doing so may damage the product.
- **Avoid excessive humidity and do not allow any water to enter the product.** Electronic components inside the product may fail if exposed to humidity or water.



- Depending on the make and model of your car, the power may be constantly supplied to the dash cam even when the ignition is turned off. Installation of the device to a continuously powered 12V outlet could result in vehicle battery drainage.
- This device is designed to record video while the vehicle is in operation. The quality of the video might be affected by weather conditions and the road environment, such as whether it is day or night, presence of street lighting, entering/exiting tunnels, and the surrounding temperature.
- THINKWARE is NOT responsible for the loss of any recorded video during operation.
- Although the device was designed to withstand high-impact car collisions, THINKWARE does not guarantee the recording of accidents when the device is damaged as a result of the accident.
- Keep the windshield and camera lens clean for optimal video quality. Particles and substances on the camera lens or windshield may reduce the quality of the recorded videos.
- This device is intended to be used inside the vehicle only.

1. Product overview

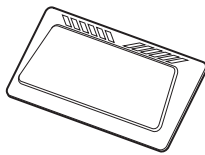
1.1 Included items

Ensure that all the items are included when you open the product box.

1.1.1 Standard items



Front camera (main unit)



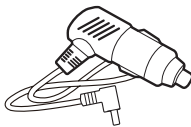
Mount



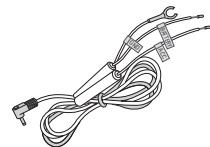
Rear camera



Rear camera cable



Car charger



Hardwiring cable



Adhesive cable holder



microSD memory card
(consumable)



Warranty & Quick Start Guide

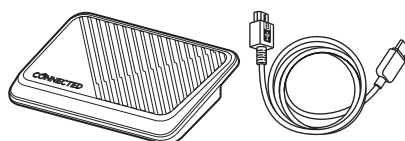


The standard items may change without prior notice.

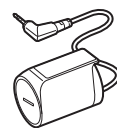
1.1.2 Accessories (sold separately)



OBD-II cable



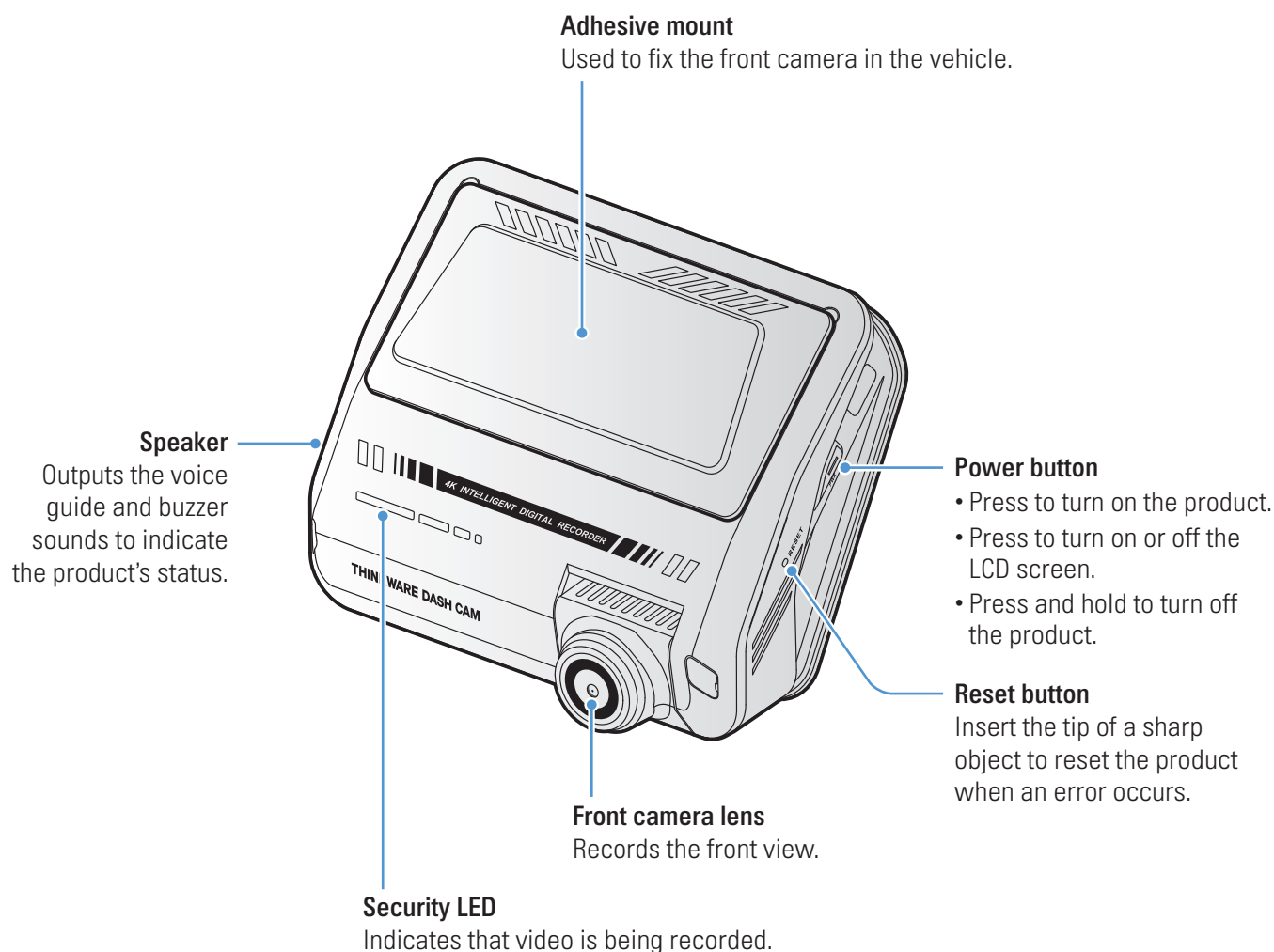
THINKWARE CONNECTED
LTE Module (TCM-LTE) & cable



RADAR module

1.2 Part names

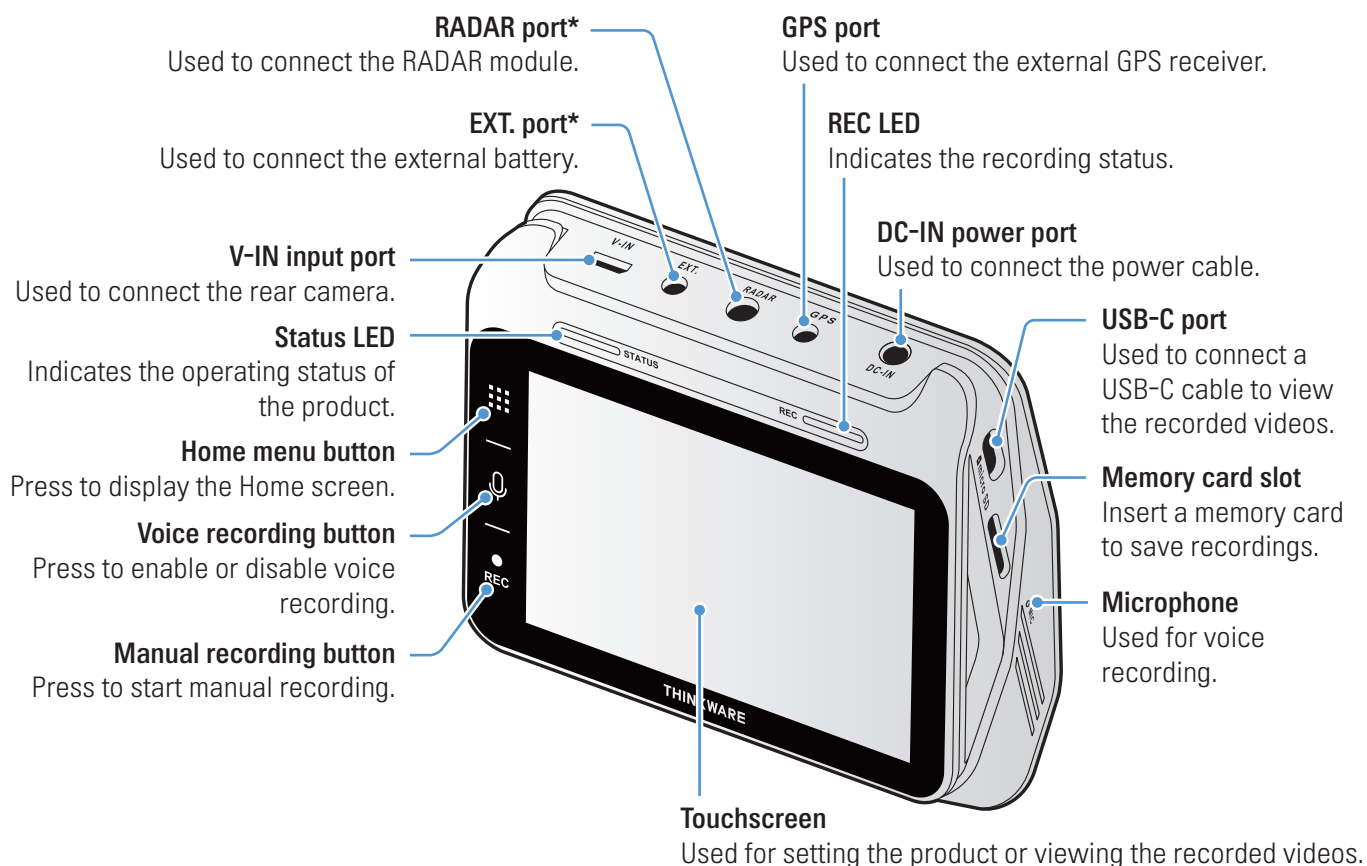
1.2.1 Front camera (main unit) - front view



Refer to the following table to check the status of the product using the LED indicators. For more information about the REC LED, refer to "3.4 Using the continuous recording feature" on page 20.

LED	STATUS status	Operation description
USB	— (light on)	USB connected
Wi-Fi	— (flickers)	Wi-Fi QR code on
	— (light on)	Wi-Fi connected

1.2.2 Front camera (main unit) - rear view

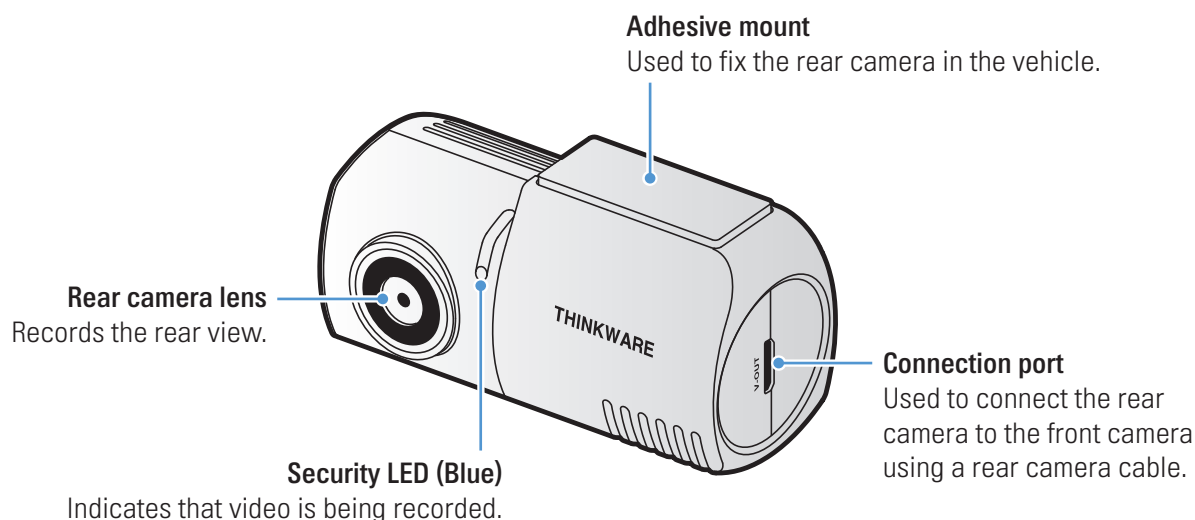


* To be supported



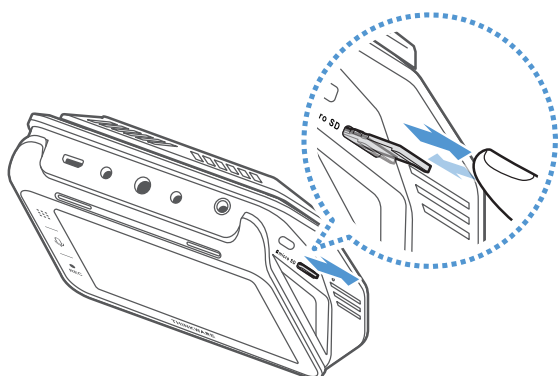
- This product uses a Capacity Touch Panel. Use appropriate pressure to press the touchscreen, as touches may not be detected if it isn't pressed hard enough.
- Remove the protective film before use. Touching the screen with the protective film left on may result in a malfunction.

1.2.3 Rear camera



1.3 Removing and inserting the memory card

Follow the instructions to remove the memory card from the product or to insert the memory card into the product.



Before removing the memory card, ensure that the product is turned off. Gently push the bottom of the memory card with your fingernail to release it, and then remove it from the product.

To insert the memory card, check the insertion direction marked on the product. Then insert the memory card into the memory card slot in the correct direction and press it until you hear a click.



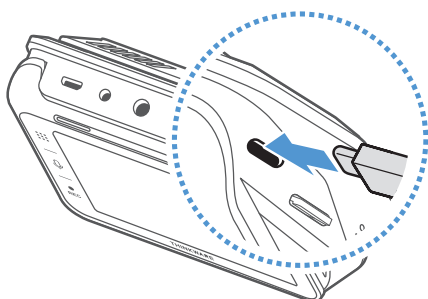
- Ensure that the product is turned off before removing the memory card. The recorded video files may be corrupted or lost if you remove the memory card while the product is on.
- Ensure that the memory card is in the correct direction before inserting it into the product. The memory card slot or the memory card may be damaged if it is inserted incorrectly.
- Use only authentic memory cards from THINKWARE. THINKWARE does not guarantee the compatibility and normal operation of third-party memory cards.



To prevent loss of recorded video files, periodically back up the video files on a separate storage device.

1.4 Accessing recorded videos using a USB-C data cable

You can view or save recorded videos without removing the memory card by using a USB-C data cable to connect the product to a smartphone. Recording stops when the USB-C data cable is connected.



With the product powered on, connect the USB-C data cable to the USB-C port on the side of the product and to your smartphone.



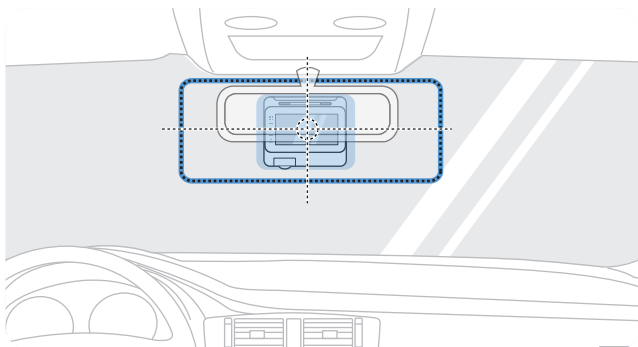
- Do not connect a USB-C charging cable to the USB-C port.
- Use only an authentic USB-C data cable.
- Use only an authentic USB OTG adapter when connecting an iOS device.

2. Installing the product

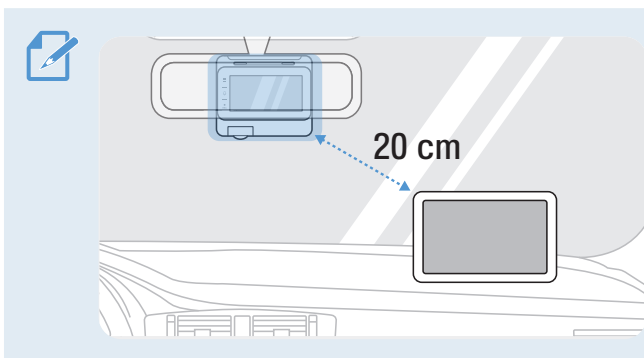
2.1 Installing the front camera (main unit)

Follow the instructions to properly install the product.

2.1.1 Selecting an installation location



Select an installation location that can record the entire view in front of the vehicle without obstructing the driver's vision. Ensure that the front camera lens is located in the center of the windshield.

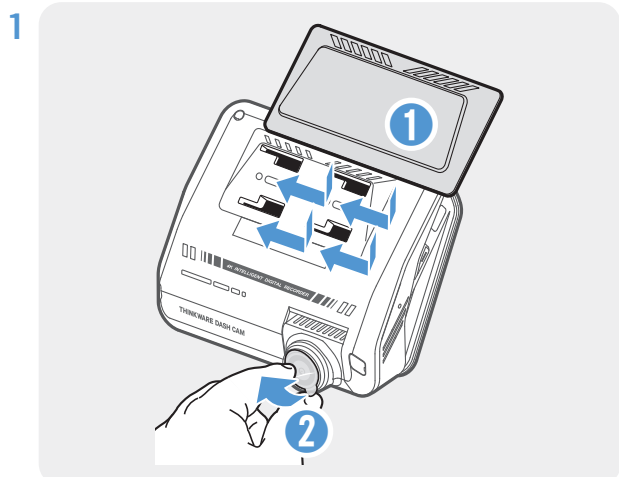


If a GPS navigating device is installed on the dashboard, its GPS reception may be affected depending on the dashboard camera's installation location.

Adjust the installation location of the GPS navigating device to ensure that the two devices are separated by at least 20 centimeters (approximately 8 inches).

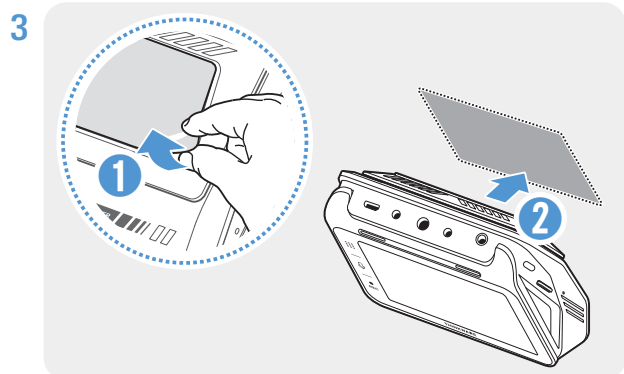
2.1.2 Securing the product

Follow the instructions to secure the product at the installation location.

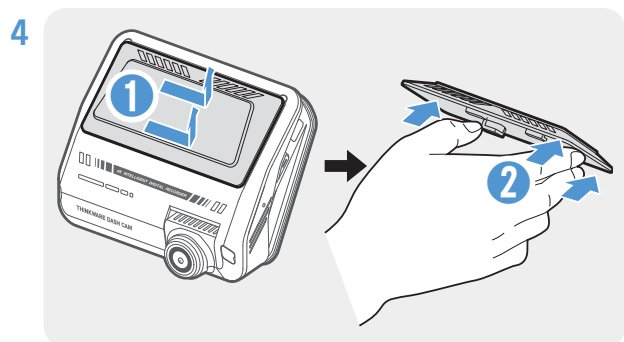


Align the mount to the mount rail on the product, and then slide it until you hear a click (1). Then, carefully remove the protective film (2).

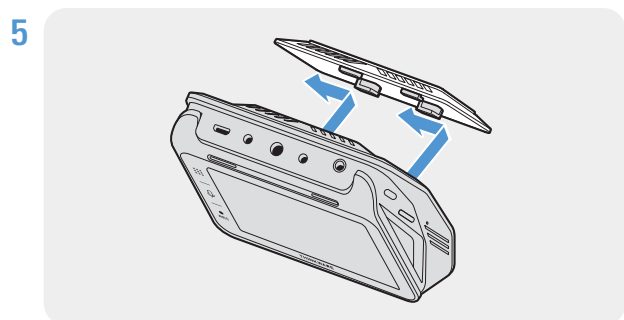
- 2 After determining the installation location, wipe the installation location on the windshield with a dry cloth.



Remove the protective film from the adhesive mount, and then press the mount to the installation location.



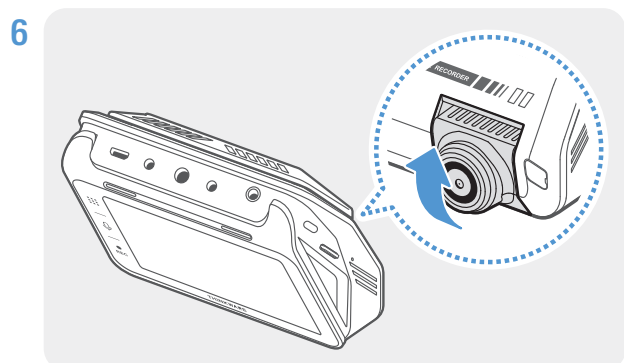
Remove the product from the mount and push the mount against the windshield to ensure that the mount is firmly fixed.



Align the product to the mount, and then slide it into the locking position until you hear a click.



- The product may fall and be damaged during vehicle operation if it is not firmly fixed to the mount.
- If you need to remove the mount from the windshield to alter the installation location, be careful not to damage the windshield's film coat.

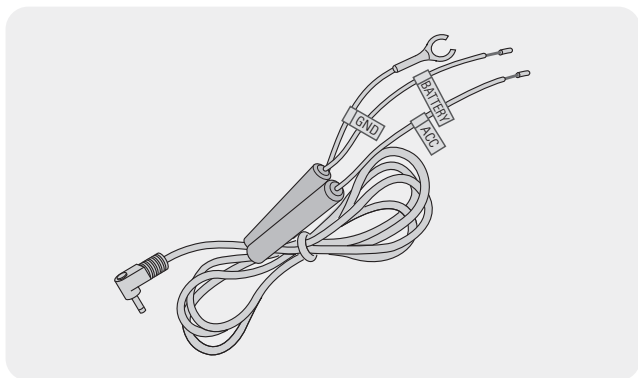


Set the vertical angle of the camera appropriately.

2.1.3 Connecting the power cable

When the engine and electrical accessories are turned off, connect the hardwiring cable or the cigar socket power cable to the product.

Connecting the hardwiring cable



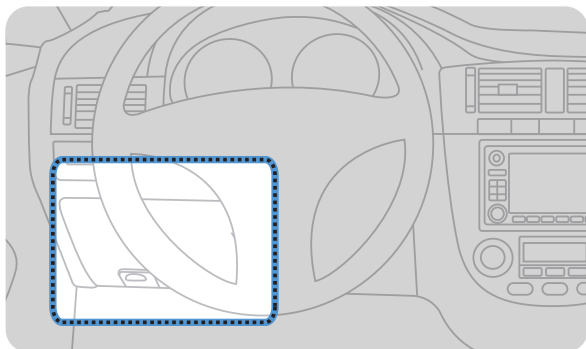
If you connect the product to the vehicle with the hardwiring cable, the camera continues operating even when the vehicle is not operating (parking mode). In parking mode, the camera detects impacts to the vehicle and nearby motion and records video.

For more information about parking mode, refer to "3.7 Using parking mode" on page 21.



- We strongly recommend professional installation by a trained mechanic. Contact an authorized service center to connect the hardwiring cable to the vehicle. If the product is not installed properly, the product may be damaged, or an electrical fire or electrocution may occur.
- Use the authentic THINKWARE hardwiring cable only. Using other manufacturer's cable may damage the product or cause electrocution due to the voltage difference.
- When connecting the hardwiring cable, pay special attention to wiring. If the wires are connected incorrectly, the product or the vehicle may be damaged.

1

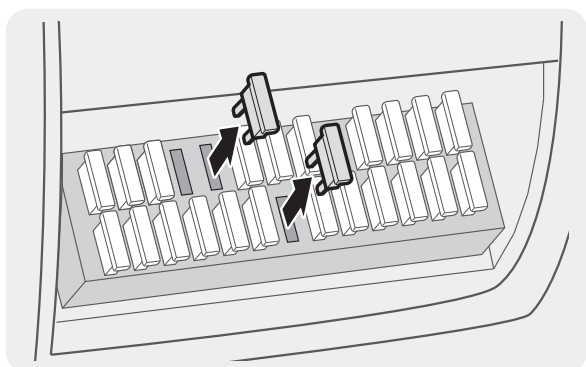


Find the vehicle's fuse box. Usually the fuse box is installed under the driver's seat.



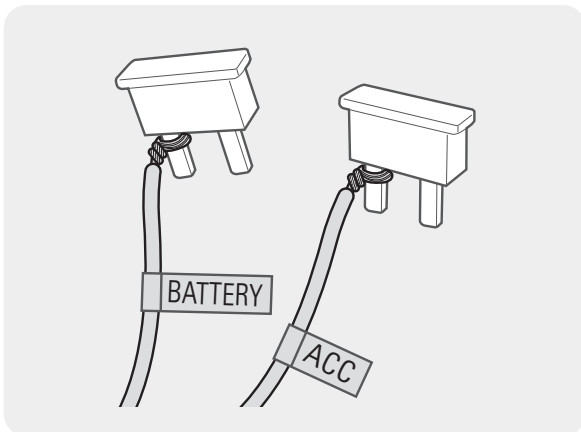
The location of the fuse box may differ depending on the make and model of the vehicle. For more information, refer to your vehicle's owner's manual.

2



Open the fuse box, find the continuous power terminal (which supplies power when the vehicle is off) and the ACC terminal (which supplies power when the ignition status is "ACC ON") by using an electrical tester, and detach the fuses from the terminals.

3



Connect the BATTERY wire to a fuse leg of the continuous power terminal and connect the ACC wire to a fuse leg of the normal (ACC) terminal.

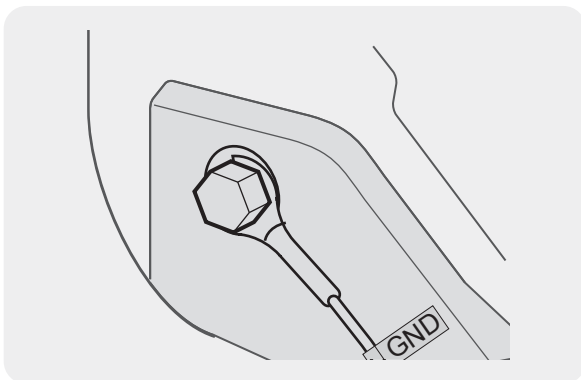
4 Check the fuse panel's input and output contact points by using an electrical tester.

5 Place the fuses back into their locations on the fuse panel, connecting each fuse leg with the wire to the output contact point and taking care not to change the fuse position.



When you install the fuses on the fuse panel, the fuse legs for the BATTERY wire and the ACC wire must be connected to the output terminals respectively. If the fuse leg with the wire is connected to an input terminal, the product or vehicle may be damaged or electrical fire may result.

6

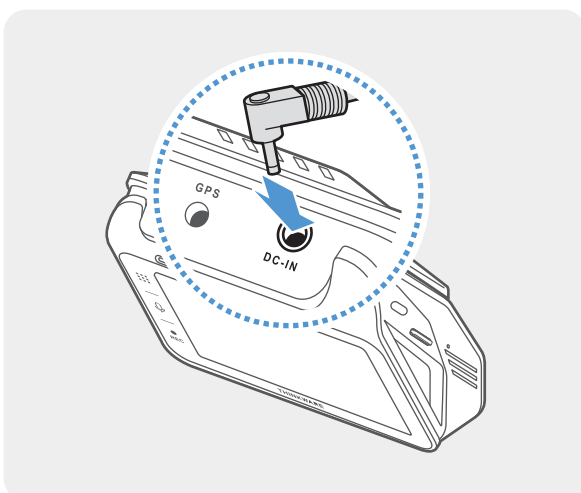


Connect the ground wire (the GND wire) to a bolt attached to a metallic part of the vehicle's body.



Normally, the metallic bolt that you can connect the ground wire to (the GND wire) is fitted nearby fuse box or the driver seat's door interior.

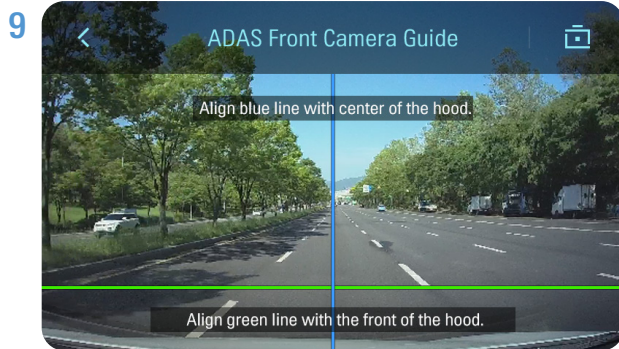
7



Connect the hardwiring cable to the DC-IN power port and start the engine to make sure the product operates normally.

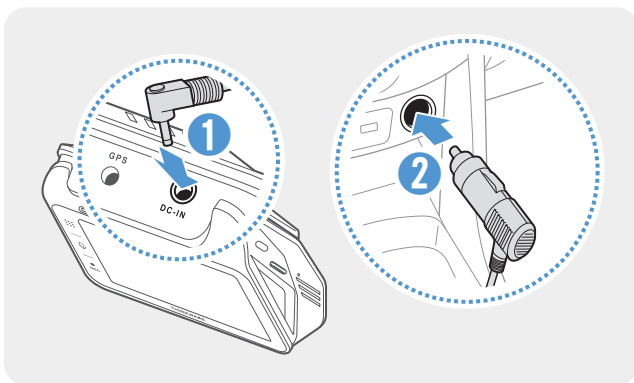
When the product is powered on, the initial settings screen appears. Tap **NEXT** to complete the settings.

- 8 On the left side of the LCD screen, tap Home menu (🏠) button > **Settings** > **Road Safety Settings**, and then select a **Vehicle Type** from **Sedan / SUV / Truck(Bus)** under **ADAS Settings**.



Tap **ADAS Front Camera Guide**, and then follow the on-screen instructions to adjust the front camera's angle by aligning the blue and green lines.

Connecting the car charger



Connect the car charger to the product's DC-IN power port and insert the cigar jack into the vehicle's power socket.



- The location and specifications of the power socket may differ by vehicle make and model.
- The initial settings are the same as for the hardwiring cable. Refer to Step 7 on the previous page.

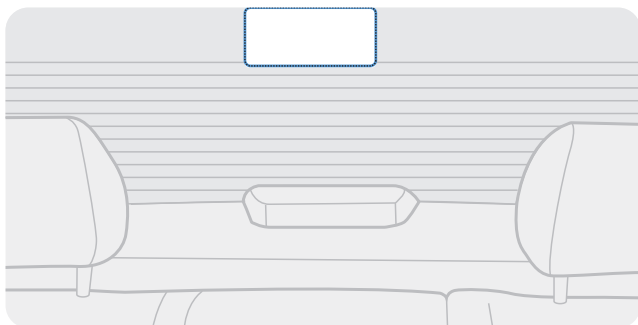


- Use the authentic THINKWARE car charger. Use of third party power cables may damage the product and result in an electrical fire or electrocution due to the voltage difference.
- Do not cut or modify the power cable yourself. Doing so may damage the product or the vehicle.
- For safe driving, arrange the cables to prevent the driver's vision from being obstructed or interfering with driving. For more information about arranging cables, visit www.thinkware.com.

2.2 Installing the rear camera

Refer to the following instructions to properly install the rear camera.

2.2.1 Selecting an installation location



Select a location on the rear windshield where there is no defrost grid wire and the camera can record the entire rear view.



- For vehicles with a sunshade attached to the rear windshield, you must select a location where using the sunshade will not interfere with camera operation.
- The adhesive part of the rear camera should not touch the defrost grid.

2.2.2 Securing the rear camera

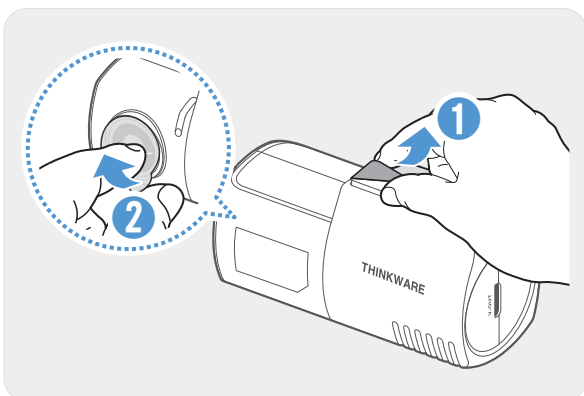
Refer to the following instructions to secure the product to the installation location.

- 1 After determining the installation location, wipe the installation surface of the windshield with a dry cloth.



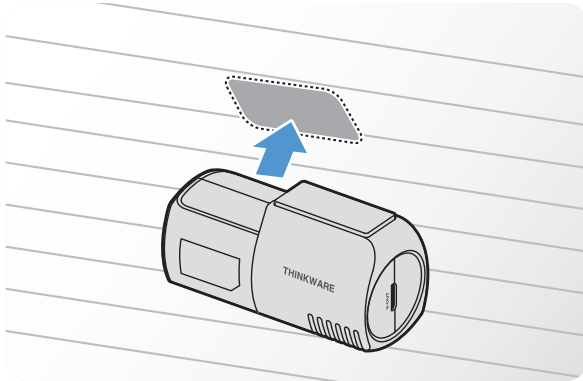
Check the installation location before you secure the rear camera to the rear windshield. After securing the rear camera to the windshield, it is hard to remove the camera or change the installation location due to the strong adhesive.

2



Remove the protective film from the adhesive mount and camera lens.

3

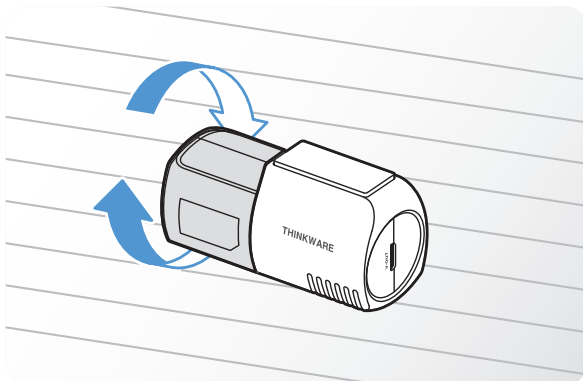


Attach the product with the THINKWARE logo facing indoors and press the adhesive tape firmly to secure the camera.



If the product is fixed in reverse, the rear view will be recorded upside down.

4

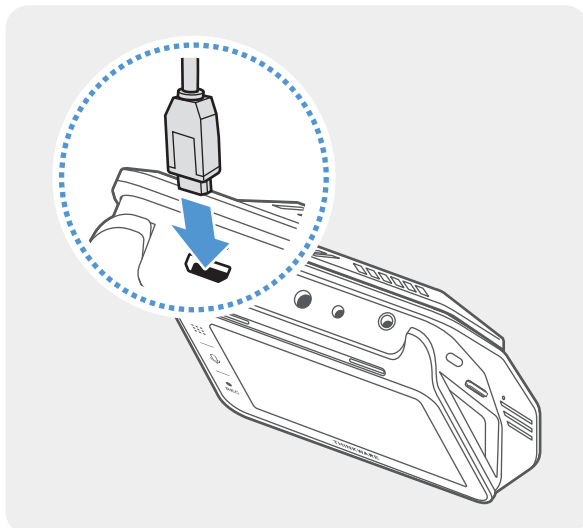


Adjust the camera's vertical angle.

2.2.3 Connecting the rear camera cable

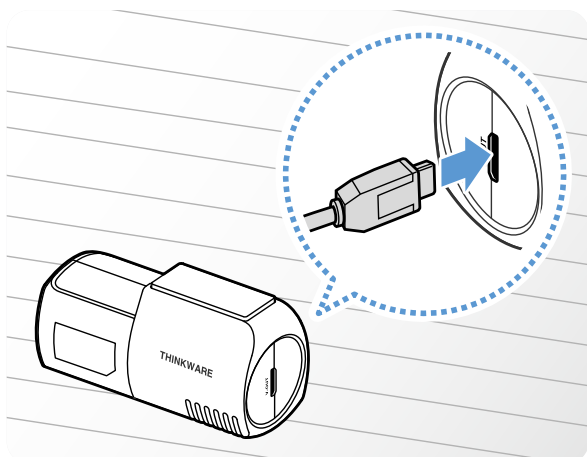
Power off the product and connect the rear camera cable to the front camera (main unit).

1



Connect one end of the rear camera cable to the front camera's V-IN port.

2



Connect the other end of the rear camera cable to the rear camera's connection port.



For safe driving, arrange the cables to prevent the driver's vision from being obstructed or interfering with driving.

- 3 Turn on the ACC or start the engine to check if the product is powered on. After the product is powered on, the status LED and the voice guidance will turn on.



The product is powered on when the ACC mode is turned on or when the engine starts.

- 4 Check the Live view screen on the LCD display and adjust the camera angle as necessary.

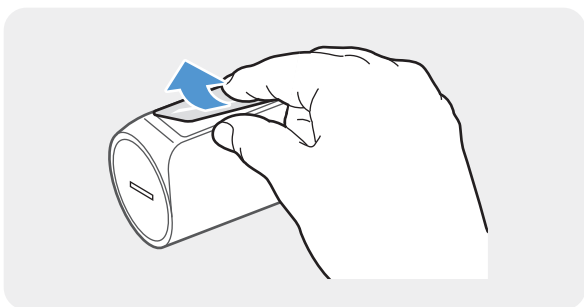
2.3 Installing the RADAR module (optional)

Refer to the following instructions to properly install the RADAR module. Install the RADAR module near the product, taking the module's cable length into account.



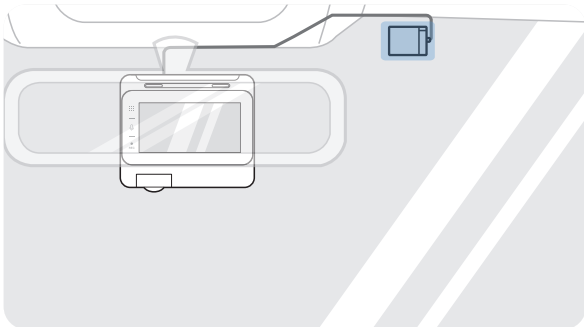
- When the RADAR module (optional) detects an object in the radar area, Energy Saving is switched off and the impact detection is set for 30 seconds. (If there is no impact detected, the product does not store the recording and switches back to Energy Saving.)
- If an object and impact are detected in the radar area, a video is recorded for 20 seconds and stored in the "parking_rec" folder. When the recording ends, the product switches back to Energy Saving.

1



Remove the film on the back of the RADAR module.

2

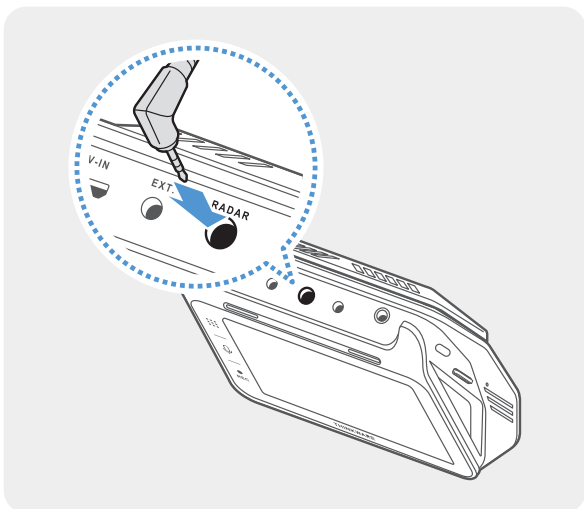


Attach the RADAR module's adhesive surface to the upper part of the front windshield and press the adhesive part firmly to secure it.



Before installation, make sure the RADAR module's cable length is sufficient and check the cable routing path.

3



Connect the RADAR module to the product's RADAR connector.



Check the RADAR connector location again before connecting the module. If you connect the RADAR module to the DC-IN power connector, the pins inside the port may be damaged.

- 4 Turn on the ACC or starts the engine to check that the product is powered on. After the product is powered on, the recording LED (**REC**) and the voice guidance will turn on.

3. Using recording features

3.1 Turning the product on or off

The product is turned on automatically and continuous recording starts when you turn on the ACC or start the engine.



- Use the power switch on the side of the product to force the product to power on or off.
- Wait until the product is completely booted up after turning it on, and then begin operating the vehicle. The video recording does not begin until the product is completely turned on (booted up).

3.2 Using the LCD display

This product allows you to check recorded videos in real time on the LCD display by providing the Live view feature.

You can set the time that the LCD will turn off automatically. Tap Home menu (⌘) button on the left side of the LCD screen > **Settings** > **System Settings** > **LCD Auto-off**, and select the desired screen off time from **30 sec./1 min./10 min..**

When the product's internal temperature gets too high, screen saving is activated. If you touch the LCD, a notification is displayed while video recording continues normally. Normal LCD operation resumes automatically when the temperature returns to normal.

3.3 Learning about the LED indicator and file storage locations

[LED indicator](#)

You can check the operating status, even when the LCD is turned off, by checking the LED indicator on the rear of the product.

For more information about what the LED indicates in each recording mode, refer to the corresponding section of the recording mode (the continuous recording, the manual recording, and the parking mode recording).

[Video file storage location](#)

Videos are stored in the following folders according to their recording mode. The folder names displayed on the screen and created in the memory card are as follows.

On the product screen	Continuous	Continuous Incident	Parking	Parking Incident	Manual Recording	SOS Recording
In the memory card	cont_rec	evt_rec	motion_rec	parking_rec	manual_rec	sos_rec

3.4 Using the continuous recording feature

Connect the power cable to the product's DC-IN power port and then turn on the vehicle's electrical accessories or start the engine. The status LED and the voice guidance will turn on, and the continuous recording starts.

When the Live view screen is displayed, the continuous recording will start automatically.

Mode	Operation description	REC LED
Continuous recording	During driving, videos are recorded in 1 minute segments and stored in the " cont_rec " folder.	 (light on)
Incident continuous recording*	When an impact to the vehicle is detected, a video is recorded for 20 seconds, from 10 seconds before the detection to 10 seconds after the detection, and stored in the " evt_rec " folder.	 +  (flickers)

* When an impact to the vehicle is detected during continuous recording, incident continuous recording starts with a buzzer sound.



- Wait until the product is completely booted up after turning it on, and then begin operating the vehicle. The video recording does not begin until the product is completely turned on (booted up).
- When incident continuous recording starts, the buzzer sounds as a notification.
- To use all recording modes, insert a memory card into the product.

3.5 Recording manually

You can record a scene you want to capture while driving and store it as a separate file. Manually recorded videos are stored in the "**manual_rec**" folder to prevent important data loss due to insufficient storage.

To start manual recording, tap the Manual recording (●) button on the Live view screen.

Mode	Operation description	REC LED
Manual recording	When you press the Manual recording (●) button, a video will be recorded for 1 minute, from 10 seconds before to 50 seconds after pressing the button, and stored in the " manual_rec " folder.	 (flickers)

To watch a manually recorded video, tap Home menu (⌂) button on the left side of the LCD screen > **File List** > **Manual recording**, and select a video to play.

3.6 Using the SOS recording feature

You can record a scene when an accident occurs while driving and store it as a separate file.

To start SOS recording, press the Manual recording (●) button for 3 seconds. During SOS recording, the product operates as follows.

Mode	Operation description	REC LED
SOS recording	If you press the Manual recording (●) button for 3 seconds when an accident occurs, a video will be recorded for 10 seconds (from 5 seconds before the accident to 5 seconds after pressing the button) and stored in the "sos_rec" folder.	 (flickers)



- To use this feature, you must sign in to the **THINKWARE CONNECTED** application.
- The video will be uploaded to the **THINKWARE CONNECTED** application with the location where the accident occurred.

3.7 Using parking mode

When the product is connected to the vehicle via the hardwiring cable, the operating mode is switched to parking mode with the voice guide after the engine or electrical accessories are turned off.



- Parking mode operates only when the hardwiring cable is connected. We strongly recommend professional installation by a trained mechanic.
- To use all recording modes, insert a memory card into the product.
- Depending on the battery charging status of the vehicle, the duration of parking mode may differ. If you want to use parking mode for an extended period, check the battery level to prevent battery depletion.

If you do not want to use parking mode or you want to change the mode settings, tap Home menu (⌂) button on the left side of the LCD screen > **Settings > Record Settings > Parking Mode**.

Refer to the following table to set the **Parking Mode** options.

Option		Operation description	REC LED
Motion Detection	No motion or impact detected	Monitors movement in the area or impacts to the vehicle. Video will be recorded only when motion or an impact is detected.	 (light on)
	Motion detected	When a moving object detected while parked, a video is recorded for 20 seconds, from 10 seconds before detection to 10 seconds after detection, and stored in the "motion_rec" folder.	 +  (flickers quickly)
	Impact detected	When an impact is detected while parked, a video is recorded for 20 seconds, from the moment 10 seconds before detection to 10 seconds after detection, and stored in the "parking_rec" folder.	 +  (flickers quickly)

Option		Operation description	REC LED
Time Lapse	No impact detected	A video is recorded at a rate of 2 fps for 5 minutes, compressed into a 1-minute long file, and stored in the "motion_rec" folder. Since the video file recorded with this option is small, you can record a long video.	 (light on)
	Impact detected	When an impact is detected while parked, a video is recorded for 100 seconds at a rate of 2 fps, from the moment 50 seconds before detection to 50 seconds after detection, and stored in the "parking_rec" folder after being compressed into a 20-second long file.	 (flickers quickly)
Energy Saving	No impact detected	Monitors impacts to the vehicle. Video will be recorded only when an impact is detected.	Off
	Impact detected	When an impact is detected while parked, a video is recorded for 20 seconds (after collision detection) and stored in the "parking_rec" folder.  • When the RADAR module (optional) detects an object in the radar area, Energy Saving is switched off and the impact detection is set for 30 seconds. (If there is no impact detected, the product does not store the recording and switches back to Energy Saving.) • If an object and impact are detected in the radar area, a video is recorded for 20 seconds and stored in the "parking_rec" folder. When the recording ends, the product switches back to Energy Saving.	Off
OFF		The product is powered off when electric accessories and the engine are turned off.	Off



If parking mode settings are changed, the videos recorded with the previous settings will be deleted. To prevent data loss, back up all parking mode videos before changing parking mode settings.



- You cannot use Motion Detection, Time Lapse, or Energy Saving at the same time.
- You can record bright, clear videos when parking at night with the Night Vision feature enabled.

3.8 Using the Night Vision

With Night Vision feature, you can record videos that are much brighter than those recorded without this feature. This feature is enabled by real-time image signal processing (ISP) that improves the video brightness. This feature is available in continuous, parking, and continuous+parking modes.

- 1 On the left side of the LCD screen, tap Home menu (⌂) button > **Settings** > **Camera Settings**.
- 2 From **Night Vision**, select the desired recording mode from **Continuous Mode/Parking Mode/Continuous + Parking**.



- If both **Continuous Mode** and **Parking Mode** are selected, the Night Vision feature will be available in both modes.
- If you select **Continuous Mode**, the HDR feature will be disabled.

3.9 Using the High Dynamic Range (HDR)

The Clear HDR feature works by simultaneously capturing a low-gain image in the bright region and a high-gain image in the dark region, which are then overlapped and synthesized. This method effectively solves artifact issues, even in motion.

- 1 On the left side of the LCD screen, tap Home menu (⌂) button > **Settings** > **Camera Settings**.
- 2 From **HDR**, select **ON** or **OFF** for the HDR feature.



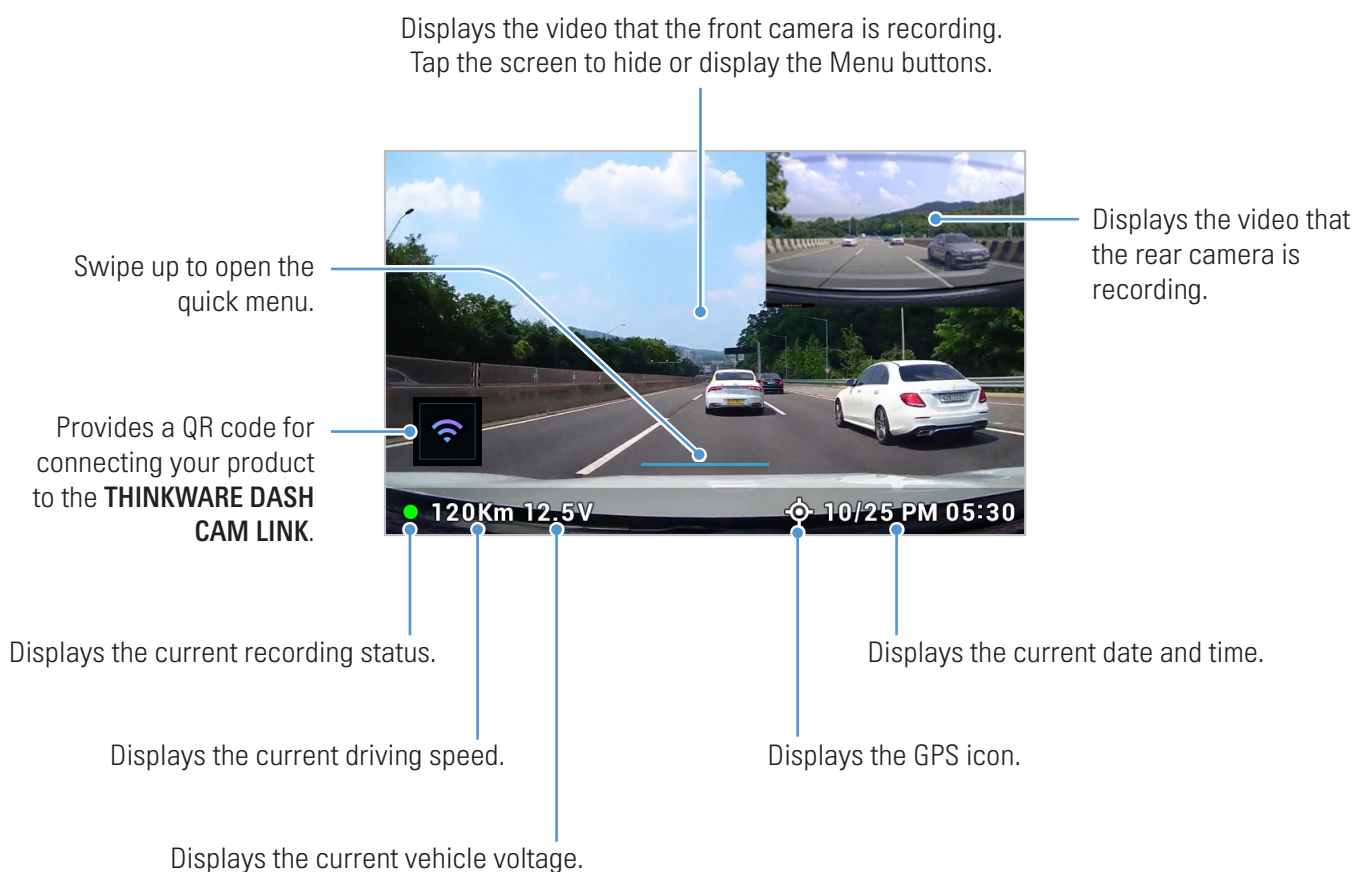
- You cannot use the Night Vision and HDR features at the same time.
- This feature is only available in continuous mode.
- This feature is supported by both the front and rear cameras.

3.10 About the screen layout

The followings are layout descriptions of the Live view and Home screens.

3.10.1 Live view screen

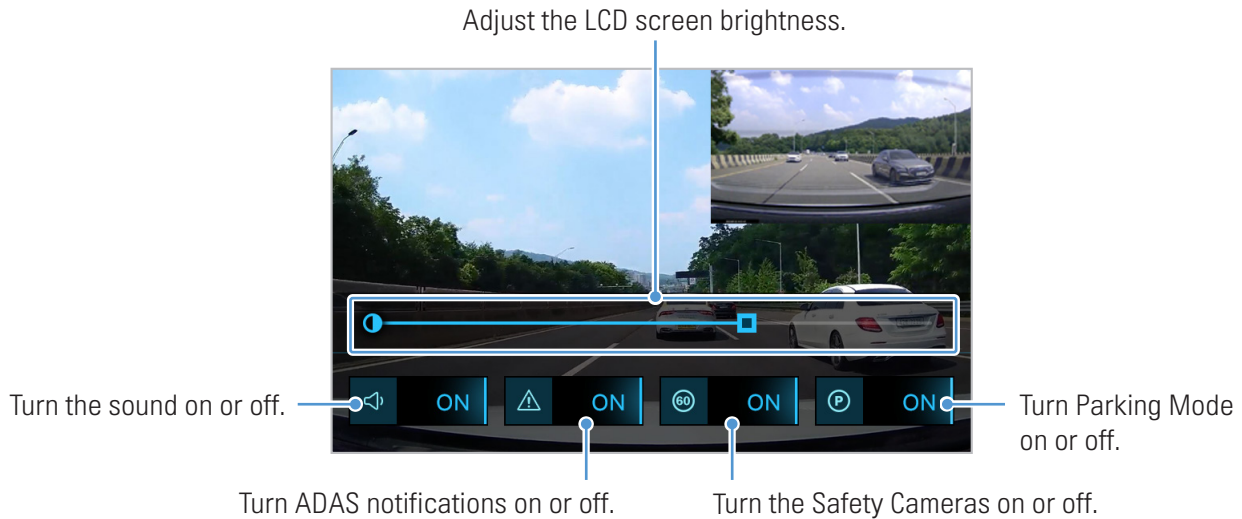
On the Live view screen, you can view the currently recorded video and operate the product by tapping on the LCD display. When you turn on electrical accessories and start the engine, the Live view screen will be displayed.



Wait until the product is completely booted up after turning it on, and then begin operating the vehicle. The video recording does not begin until the product is completely turned on (booted up).

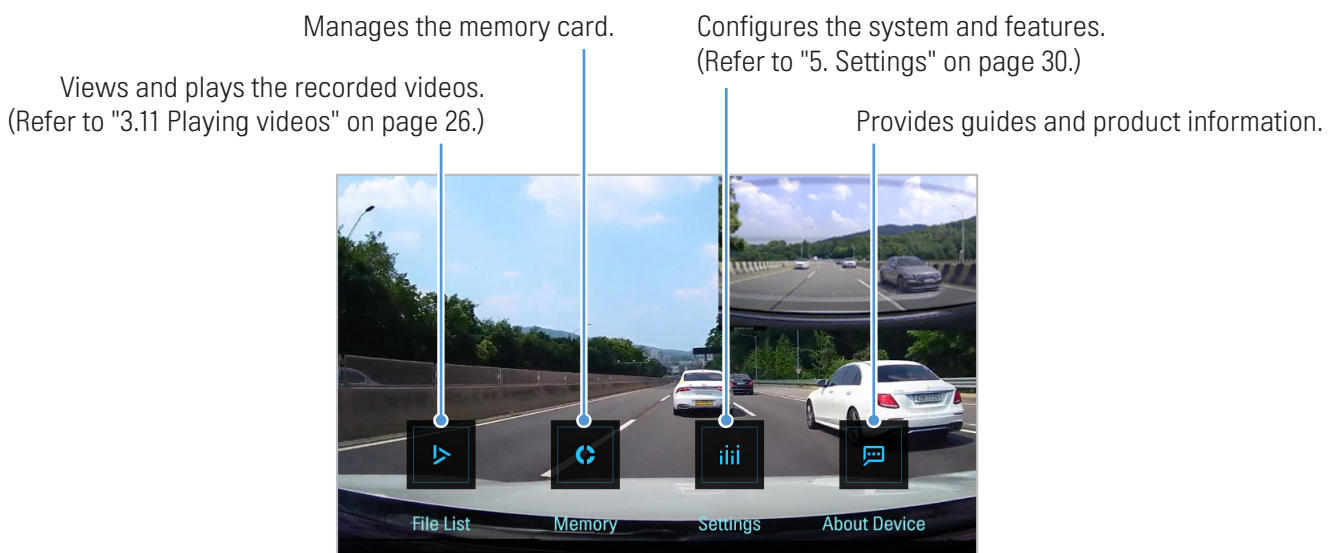
3.10.2 Quick menu screen

On the Live view screen, you can open the quick menu by swiping up on the quick menu bar at the bottom.



3.10.3 Home screen

You can move to the Home screen by tapping Home menu (📱) button on the left side of the LCD screen.

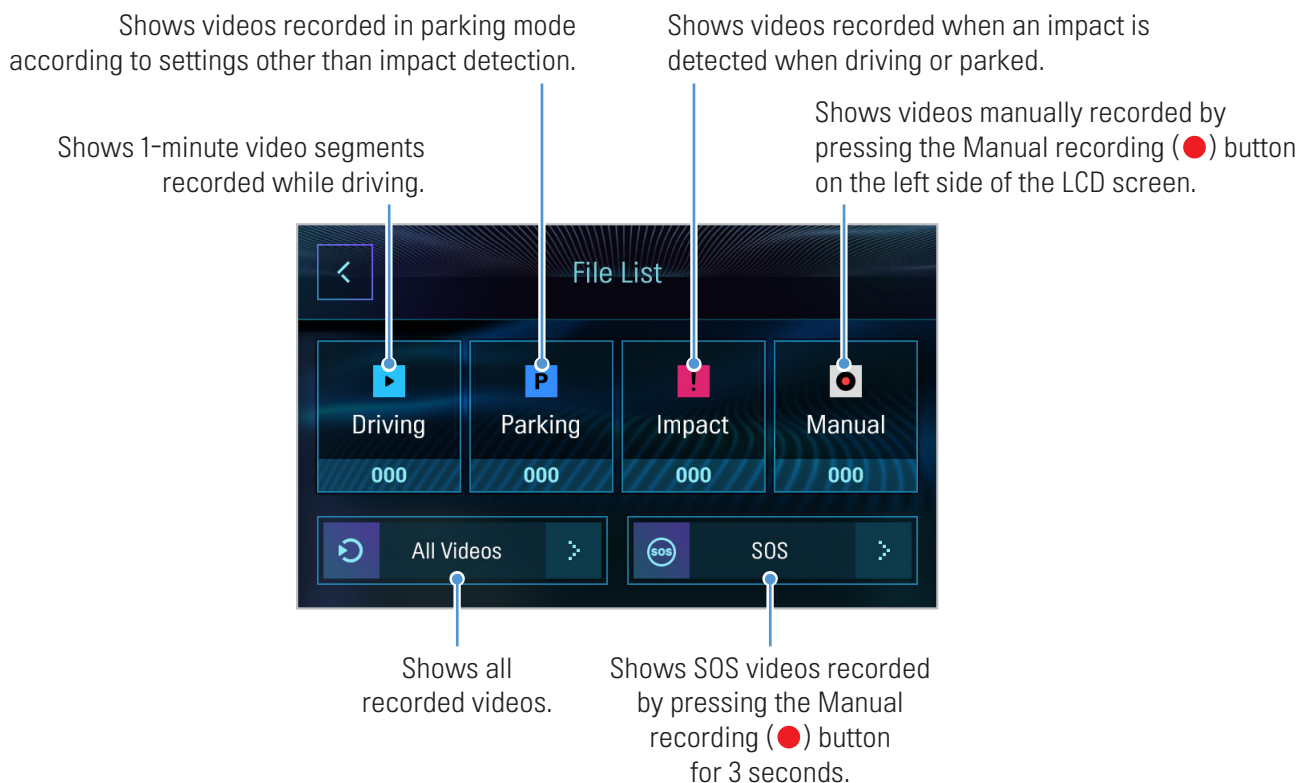


- Stop your vehicle in a safe location before operating the product.
- The product will stop recording while the Home screen is being operated.
- Play videos only on the product or a computer. If you play videos by inserting the memory card in a device, such as a smartphone or a tablet PC, video files may be lost.

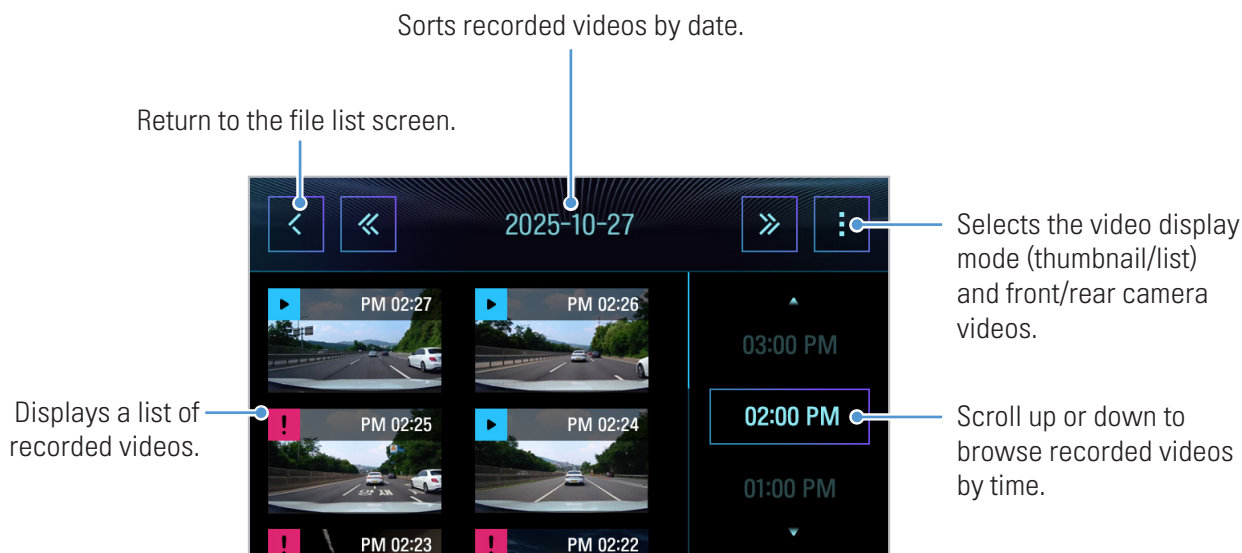
3.11 Playing videos

You can play recorded videos on the product or PC viewer. Refer to "8. Using the PC viewer" to learn how to play videos on the PC viewer. Follow the instructions to play the videos.

- 1 On the left side of the LCD screen, tap Home menu () button > **File List**. The number of videos in each recording mode category will be displayed.



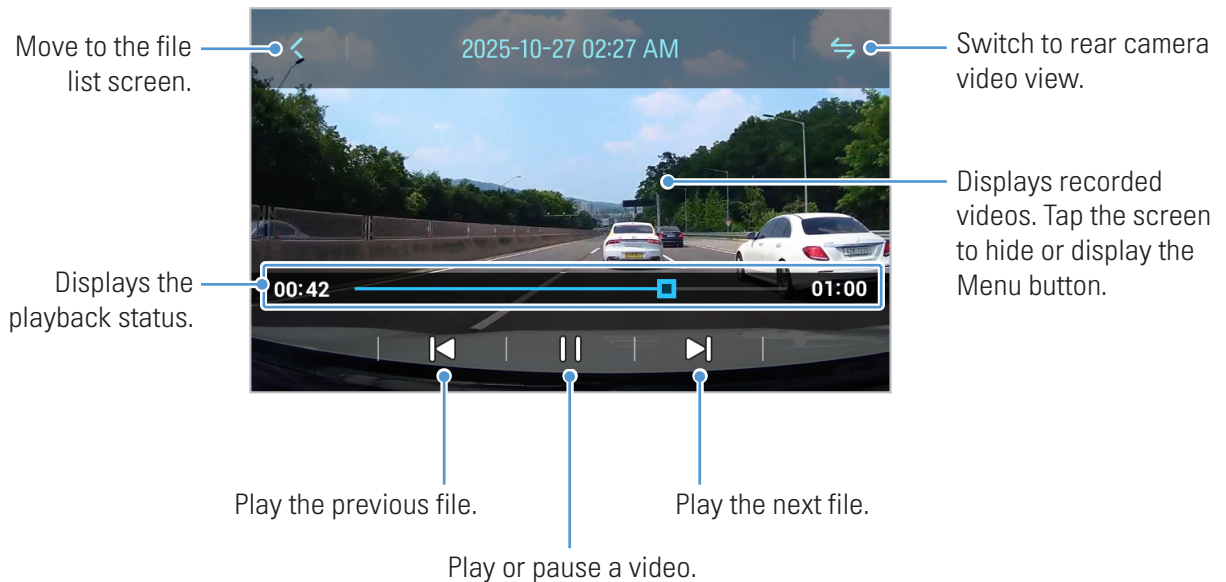
- 2 When you select a category, the video file list will appear. Select the video you want to play.



3 Tap a button on the playback screen to control the video player or other functions.



If you touch the LCD display's playback area, the screen will switch to full screen mode. To exit full screen mode, touch the screen again.



- While you are checking the video file list or playing a video, the product will stop recording.
- Play videos only on the product or a computer. If you play videos by inserting the memory card in a device, such as a smartphone or a tablet PC, video files may be lost.
- During playback, vehicle license numbers may not be identifiable due to the relative vehicle speed or lighting conditions.



- A file name is composed of the recording start date and time, and the recording option.

REC_20251219_125815_F.MP4
REC_20251219_125815_R.MP4

Recording conditions

- F: Front camera
- R: Rear camera

- If the memory card runs out of space while recording, previously recorded videos will be deleted to create sufficient storage. To prevent data loss, back up important videos on additional storage devices.
 - **When the continuous recording storage is insufficient:** The oldest continuous recording file will be deleted and replaced with the new video file. Event video files (incident recording and manual recording files) will not be deleted.
 - **When the storage is insufficient (for event video files only):** Event video files will be deleted chronologically from the oldest to the most recent.

4. Using the road safety and ADAS features



- The surrounding environment, such as the road and weather conditions, can affect the system's recognition and performance.
- Any situation that covers part or all of the camera lens may result in reduced system functionality.

4.1 Road safety features

The road safety features include the Safety Cameras and the Mobile Zone Alert.

To deactivate the road safety features, tap Home menu (⌂) button on the left side of the LCD screen > **Settings > Road Safety Settings**, and then set the **Safety Cameras** or **Mobile Zone Alert** to **OFF**.

Features	Description	Notification icons
Safety Cameras	When the vehicle approaches the speed limit zone, the speed limit will be displayed on the screen. It also provides road information in real time to assist you while driving.	
Mobile Zone Alert	Provides a guide to speed zones in each country.	



- Safety Cameras provides guidance on speed zones in each country.
- The **Mobile Zone Alert** can be set only when the **Safety Cameras** setting is set to **ON**.

4.2 ADAS features

ADAS features include the ADAS settings and the ADAS safety features.

4.2.1 ADAS settings

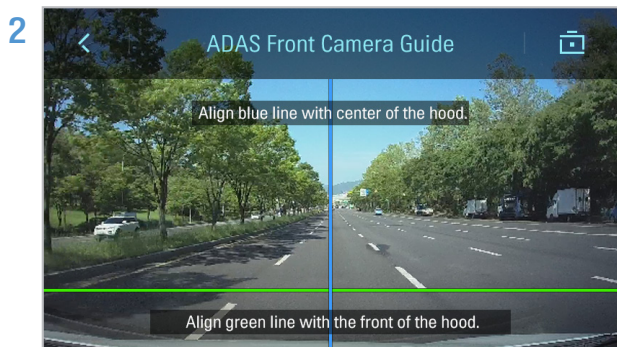
Identifying the vehicle type

On the left side of the LCD screen, tap Home menu (⌂) button > **Settings > Road Safety Settings**, and then select a **Vehicle Type** from **Sedan / SUV / Truck (Bus)** under **ADAS Settings**.

Setting the ADAS settings

To enhance the ADAS feature's accuracy, follow the instructions on the ADAS Front Camera Guide screen to set the alignment.

- 1 On the left side of the LCD screen, tap the Home menu (⌂) button > **Settings > Road Safety Settings**, and then tap **View** next to **ADAS Front Camera Guide** under **ADAS Settings**.



Follow the instructions on the ADAS Front Camera Guide screen to adjust the front camera's angle.

After positioning the camera, drive for at least one minute to finish the alignment.



When you align the ADAS Front Camera Guide screen, adjust the product's position to be within 7 cm of the default installation location (where the camera lens is located at the center of the front windshield).

You can use ADAS features after the initial setup.

4.2.2 ADAS safety features

Refer to the following table for the ADAS safety features.

To deactivate the ADAS safety features, tap Home menu (⌂) button on the left side of the LCD screen > **Settings > Road Safety Settings**, and then set the features you want to deactivate to **OFF** under **ADAS Comfort Features**.

Features	Description	Notification icons
FVSA (Front Vehicle Start Alert)	Detects the departure of another vehicle that was stationary in front of the vehicle and informs the driver.	
TLCA (Traffic Light Change Alert)	Detects when the traffic light changes while the vehicle is stationary (0 km/h) and alerts the driver.	



- TLCA is only supported in the US and Canada.
- TLCA is disabled in regions other than the US and Canada.

5. Settings

You can set the product features according to your needs and preferences using the settings menu.



To reset all settings, tap the Home menu (⌂) button on the left side of the LCD screen > **About Device** > **Device Info** > **Reset Settings**, and tap **Confirm**.

5.1 Managing the memory card

On the left side of the LCD screen, tap Home menu (⌂) button > **Memory** to manage the memory card settings.

Options	Description
Partition Settings	Select from Continuous Priority/Incident Priority/Parking Priority/Manual Priority/SOS Priority/Driving Recording Only for the memory partition type.
Formatting Memory Card	In Formatting Memory Card , tap Format > Confirm to proceed with formatting the memory card. Formatting the memory card will delete all recorded videos.
Overwrite Videos	Select the desired modes to allow video overwriting. If you do not allow overwrite, recording will no longer be possible when the recording folder is full. (A voice guide will be provided when the area is full.)



- Once the formatting is performed, all data stored on the memory card will be deleted. To cancel the format, tap the cancel (X) button.
- Refer to the following table for the storage space allocation of each memory partition setting.

Folders	Continuous Priority	Incident Priority	Parking Priority	Manual Recording Priority	Driving Recording Only
/cont_rec	62.5%	45%	35%	35%	81.5%
/motion_rec	12%	14%	41.5%	5%	-
/evt_rec	12%	21%	10%	15%	10%
/parking_rec	5%	11.5%	5%	5%	-
/manual_rec	8%	8%	8%	39.5%	8%
/sos_rec	0.5%	0.5%	0.5%	0.5%	0.5%

5.2 Setting the Camera

On the left side of the LCD screen, tap Home menu () button > **Settings** > **Camera Settings** to adjust the camera settings.

Options	Description
Resolution	Select from 4K 30fps + QHD 30fps/QHD 60fps + FHD 60fps for the desired front/rear resolution.
Rotate Rear camera	Select from ON/OFF .
Night Vision	Select from Continuous Mode/Parking Mode/Continuous + Parking for the Night Vision feature.
HDR	Select from ON/OFF .



For more information about the Night Vision and HDR features, refer to "3.8 Using the Night Vision" on page 23 and "3.9 Using the High Dynamic Range (HDR)" on page 23.

5.3 Setting recording features

On the left side of the LCD screen, tap Home menu () button > **Settings** > **Record Settings** to change the recording settings.

Options	Description
Set Privacy Recording	You can set the privacy recording feature to delete your recorded files after a set amount of time to protect the privacy of others. Select from G-Shock only/1min (max. 2min)/3min (max. 4min)/Disabled for the privacy recording setting. If it is set to G-Shock only mode, then it is not consistently recorded.
Voice Recording	Select from ON/OFF . (Audio is recorded inside the cabin.)
Continuous Impact Sensitivity	Select one of the five continuous impact detection sensitivity levels.
Parking Mode	Select from Motion Detection/Time Lapse/Energy Saving/OFF for the parking mode.
Parking Mode Waiting Time	Select from 30 sec./1 min./2 min./3 min./4 min./5 min. for the parking mode waiting time (time to switch to parking mode).
Smart Parking Recording	Select to enable or disable Thermal Protection .
RADAR	Select from Enabled/Disabled .
Parking Sensitivity	Select one of the five parking mode sensitivity levels.
Motion Sensitivity	Select one of the five motion detection sensitivity levels.
Use External Battery	Select from Enabled/Disabled .
Off Timer	Select the desired off time. To turn off the off timer, select OFF .
Battery Protection	Select from ON/OFF for the battery protection.
Vehicle Type	Select from Regular car/Hybrid car/Electric car for the vehicle type.
Off Voltage	Set the off voltage according to the vehicle type.
Wintertime Battery Protection	Select the month(s) to apply the battery protection feature.



- If the continuous impact detection sensitivity is too high, the product will record a video even when a minor impact caused by the road condition and your driving is detected. This may shorten the memory card's life.
- If the continuous impact detection sensitivity is too low, the product may not record a video when a minor accident occurs.



- If you record in parking mode for an extended period, the vehicle's battery may be depleted and you may not be able to start the vehicle.
- **Vehicle Type**, **Off Voltage**, and **Wintertime Battery Protection** can be set only when the **Battery Protection** setting is set to **ON**.
- If the off voltage value is too low, the product may consume the battery completely depending on the conditions like the vehicle type or temperature.
- For vehicles using a 12 V battery (most passenger vehicles), set the voltage to **12 V**. For vehicles using the 24 V battery (like most trucks and large vehicles), set the voltage to **24 V**.
- **Thermal Protection** is a smart feature that prevents heat-related damage by automatically switching the dash cam to the energy saving mode if the temperature inside the vehicle gets too high during Parking mode.

5.4 Setting road safety features and ADAS features

On the left side of the LCD screen, tap Home menu (⌂) button > **Settings** > **Road Safety Settings** to change the Safety Cameras and ADAS features.

Options	Description
Safety Cameras	Select from ON/OFF for the safety cameras.
Mobile Zone Alert	Select from ON/OFF for the mobile zone alert.
Vehicle Type	Select the vehicle type from Sedan/SUV/Truck (Bus) .
ADAS Front Camera Guide	Tap View to adjust the product's position according to the on-screen guidance.
Initialize ADAS	In Initialize ADAS , tap Reset > Confirm to proceed with initializing.
FVSA (Front Vehicle Start Alert)	Select from ON/OFF for the FVSA feature.
TLCA (Traffic Light Change Alert)	Select from ON/OFF for the TLCA feature.

5.5 Configuring the system settings

On the Live view screen, tap the Home menu (🏠) button > **Settings** > **System Settings** to configure the hardware system settings.

Options	Description
Language	Select the desired language.
Volume	Select the desired volume level for each feature (Road Safety/ADAS/System and Others).
LCD Brightness	Select a brightness level.
LCD Auto-off	Select from 30 sec./1 min./10 min..
Front Security LED	Select from Continuous Mode/Parking Mode/Continuous+Parking for the front security LED. You can set the LED effect for the selected mode.
Rear Security LED	Select from Continuous Mode/Parking Mode/Continuous+Parking for the rear security LED. You can set the LED effect for the selected mode.
Time Zone	Set your local time zone. The dash cam automatically sets the date, so only the time zone needs to be changed.
Daylight Saving	Select from ON/OFF for the daylight saving.
Speed Unit	The driving speed is displayed at the bottom of the recorded video. Select from km/h/mph for the speed unit.
Speed Stamp	Select from ON/OFF for the speed stamp.
Wi-Fi Frequency Band	Select from 2.4GHz/5GHz for the Wi-Fi frequency.
USB-C	Select from Disabled/LTE Modem/USB Camera for the USB-C port. If you use the THINKWARE CONNECTED LTE Module, select LTE Modem . If you use the interior IR camera, select USB Camera .



This product features Format Free 2.0, allowing you to store video for extended periods of time without frequent memory formatting.

6. Using the mobile viewer

You can view and manage recorded videos and configure various product features on your smartphone. For proper installation, download the **THINKWARE DASH CAM LINK** application.



- One of the following environments is required to use **THINKWARE DASH CAM LINK** application:
 - Android 9.0 or later
 - iOS 15 or later
- The services and features provided by **THINKWARE DASH CAM LINK** application may change according to the service policy. Refer to the THINKWARE website (<https://www.thinkware.com>) for more information.
- According to the service policy, if the minimum OS requirement increases, the app will not be updated to the latest version for users using older OS versions, and services provided through app updates will not be available. However, existing apps can continue to be used.

6.1 Connect the product to a smartphone

- 1 On your smartphone, search for the **THINKWARE DASH CAM LINK** app on the Google Play Store or Apple App Store, or scan the QR code below to download and install the app.



- 2 Run **THINKWARE DASH CAM LINK**.
- 3 Tap **Dash cam connection is required.** at the bottom of the screen and follow the on-screen instructions to connect the product to a smartphone.

7. Using THINKWARE CONNECTED (optional)

To use the features of THINKWARE CONNECTED, the THINKWARE CONNECTED LTE Module and an LTE SIM card must be properly installed in the dash cam.

Depending on your service plan, the following features may be available in the THINKWARE CONNECTED application:

- Vehicle status monitoring while driving and parking
- Driving and parking impact notifications with video backup
- Last parking location and image capture transmission
- Remote live view
- Monthly driving report
- SOS notifications and SMS transmission
- Geo-fence feature

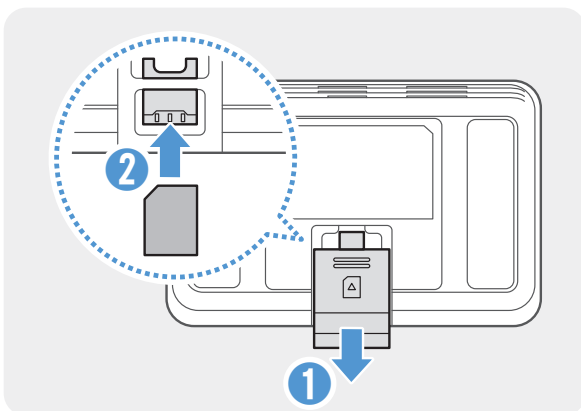


- One of the following environments is required to use the THINKWARE CONNECTED application:
 - Android 7 or later / iOS 16 or later
- The OS version requirements may change according to the policies of the Google Play Store and Apple App Store.
- The services and features provided by the THINKWARE CONNECTED application may vary depending on the service policy and your service plan. Refer to the THINKWARE website (<https://www.thinkware.com>) for more information.

7.1 Installing the THINKWARE CONNECTED LTE Module (optional)

Refer to the following instructions to properly install the LTE Module.

1



Open the SIM card slot cover and insert the SIM card until it is fully inserted.

- 2 Connect the front camera's USB-C port to the THINKWARE CONNECTED LTE Module using the USB-C to Micro USB (Micro 5-Pin) cable. Then, turn on the ACC or start the engine to power on the product.
- 3 On the mobile viewer, tap **Dash Cam Settings > System Settings**, then set the **USB-C** option to **LTE Modem**.

7.2 Connecting the product to THINKWARE CONNECTED



To use the THINKWARE CONNECTED service, you must first register your dash cam in the **THINKWARE DASH CAM LINK** app. After registration, you can access the Connected features in the **THINKWARE CONNECTED** app.

- 1 On your smartphone, search for the **THINKWARE CONNECTED** app on the Google Play Store or Apple App Store.
- 2 Log in to the THINKWARE CONNECTED app, tap **Register Dash Cam**, and follow the on-screen instructions to register your dash cam.

8. Using the PC viewer

You can view and manage the recorded videos and configure various product features on your PC.

8.1 System requirements

The following are the system requirements for running the PC viewer.

- Processor: Intel Core i5 or higher
- Memory: 4 GB or more
- Operating system: Windows 7 or later (64-bit is recommended), Mac OS X 10.10 or later
- Other: DirectX 9.0 or later / Microsoft Explorer version 7.0 or later



The PC viewer will not operate properly on PC systems running an operating system other than those listed in the system requirements.

8.2 Learning about the PC viewer

8.2.1 Downloading the PC viewer

You can download the latest PC viewer software from the THINKWARE website.

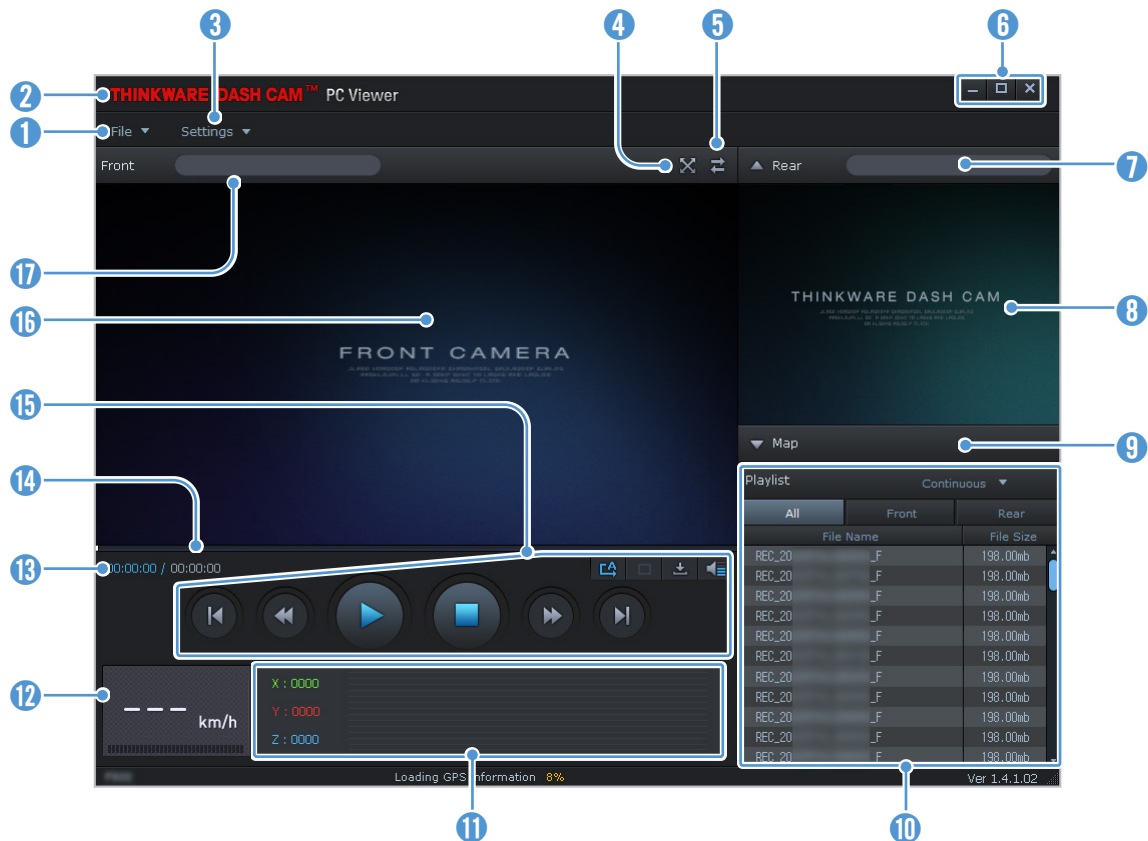
- 1 On your PC, open a web browser and go to <https://www.thinkware.com/Support/Download>.
- 2 Select a model name.
- 3 Click **Select OS** to select your OS, then click **DOWNLOAD**.



- The new PC viewer for Mac can be downloaded from the Apple App Store without visiting the THINKWARE website. Search for "Thinkware Dashcam Viewer" in the Apple App Store.
- If you are using Mac OS X 10.13 or earlier, you can only download the PC viewer from the website.

8.2.2 PC viewer screen layout

The following provides brief information about the PC viewer's screen layout.

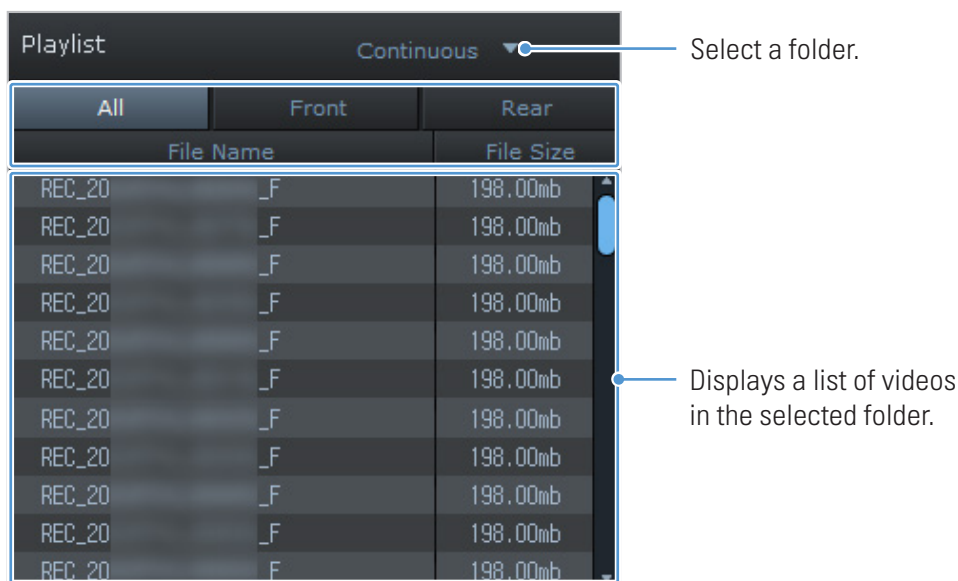


Number	Description
1	Open a file, or save a video with a different name.
2	Visit the THINKWARE website.
3	View or configure the dashcam settings, and set the language for the PC viewer.
4	Display the current video in full screen. Tap the Back () button to return to the previous screen.
5	Switch between the front and rear videos.
6	Minimize, expand, or close the software.
7	Displays the rear camera video file name.
8	Displays the recorded rear camera video.
9	Display the map screen.
10	Displays the playlist.
11	Indicates the G sensor value at the time of recording.
12	Indicates the vehicle's driving speed at the time of recording.
13	Displays the current and total running time of the current video.
14	Displays the progress of video playback.
15	Play or control a video.
16	Displays the recorded front camera video.
17	Displays the front camera video file name.

8.2.3 Playing recorded videos on the PC viewer

Follow the instructions to play recorded videos.

- 1 Turn off the product and remove the memory card.
- 2 Insert the memory card into a memory card reader connected to your PC.
- 3 Double-click the shortcut to the PC viewer () to open the program. The video files in the memory card will be automatically added to the playlist in the bottom-right corner of the PC viewer screen. The playlist section layout is as follows.



- 4 Double-click a video file after selecting a video folder, or click the Play (▶) button after selecting a video file. The selected video file will be played.



If the video files on the memory card are not automatically added to the playlist when you run the PC viewer, click **File ▼ > Open**, select the removable storage device for the memory card, and click **Confirm**.

9. Upgrading the firmware

A firmware upgrade is provided to enhance the product's features, operation or to increase stability. For optimal operation of the product, ensure that you keep the firmware up to date.

Follow the instructions to upgrade the firmware.



You can also download the firmware from the mobile viewer and the PC viewer. After downloading the file using the method below, proceed from step 6.

- Mobile viewer: Connect the product to the **THINKWARE DASH CAM LINK** application, then tap **MORE > Support** to check for and download the latest firmware.
- PC viewer: Connect the memory card to your PC and launch the PC viewer. A notification pop-up will be displayed on the PC viewer screen when the latest firmware is available, and you can download the update.

- 1 On your PC, open a web browser and go to <https://www.thinkware.com/Support/Download>.
- 2 Select the product and download the latest firmware upgrade file.
- 3 Unzip the downloaded file.
- 4 Disconnect power to the product and remove the memory card.
- 5 Open the memory card on a PC and copy the firmware upgrade file to the root folder of the memory card.
- 6 While the power is disconnected from the product, insert the memory card into the memory card slot on the product.
- 7 Connect the power cable to the product, and then turn on the power (ACC ON) or start the engine to turn on the product. The firmware upgrade starts automatically, and the system will restart once the firmware update is completed.



Do not disconnect the power or remove the memory card from the product during the upgrade. Doing so may cause serious damage to the product, or to the data stored in the memory card.

10. Troubleshooting

The following table lists the problems users may encounter while using the product and measures to resolve them. If the problem persists after taking the measures provided in the table, contact the customer service center.

Problems	Solution
Cannot power on the product	• Make sure the power cable (the hardwiring cable or the car charger) is connected to the vehicle and the product properly. • Check the vehicle's battery level.
The voice guide and/or buzzer do not sound.	Check if the volume is set to 0.
The video is unclear or hardly visible.	• Ensure that the protective film on the camera lens has been removed. The video may look unclear if the protective film is still on the camera lens. • Check the installation location of the front or rear camera, turn on the product, and then adjust the camera's viewing angle.
The memory card cannot be recognized.	• Ensure that the memory card has been inserted in the correct direction. Before inserting the memory card, check the metal contacts on the memory card and the insertion direction marked on the product. • Turn off the power, remove the memory card, and then check to ensure that the contacts in the memory card slot are not damaged. • Ensure that the memory card is an authentic product distributed by THINKWARE. THINKWARE does not guarantee compatibility and normal operation of third-party memory cards.
The recorded video cannot be played on a PC.	The recorded videos are stored as MP4 video files. Ensure that the video player installed on your PC supports the playback of MP4 video files.
GPS signal cannot be received.	The GPS signal may not be received in out-of-service areas, or if the product is located between tall buildings. Also, GPS signal reception may not be available during storms or heavy rain. Try again on a clear day at a location that is known to have a good GPS reception. It may take up to 5 minutes until GPS reception is established.

[Before contacting a service center](#)

Please back up all important data stored in the memory card. The data in the memory card may be deleted during repair. Every product requested for repair is regarded as a device that has had its data backed up. The customer service center does not back up your data. THINKWARE is not responsible for any loss, such as data loss.

11. Specifications

To see the product specifications, refer to the following table.

Item	Specification	Remarks
Model name	ARC 900	Rear camera: BCQH-700
Dimension	98 x 83.4 x 46.1 mm	Rear Camera (BCQH-700): 65.9 x 34.3 x 31.9 mm
Memory	microSD memory card	64 GB, 128 GB, 256 GB, 512 GB
Display panel	3.5" IPS (800 x 480)	
Camera sensor	8.4 Megapixel, 1/1.8"	Rear Camera: 5.12 M, 1/2.8
Video	• Front: 4K UHD (3840 x 2160) @30fps + Rear: QHD (2560 x 1440) @30fps (2CH) • Front: QHD (2560 x 1440) @60fps + Rear: FHD (1920 x 1080) @60fps (2CH) • H.264 / MP4 / AAC	
Recording mode	Continuous Rec, Incident Rec, Manual Rec, Parking Mode (Motion Detection / Time Lapse / Energy Saving)	
Features	Night Vision, HDR, Smart Parking Recording, Battery Protection, Thermal Protection	
Acceleration sensor	3-axis acceleration sensor (3D, ±3G)	5 levels for sensitivity adjustment available
GPS	Embedded GPS	Supports ADAS features (FVSA, TLCA)
Wi-Fi	Standard	2.4 GHz (802.11 b/g/n) 5 GHz (802.11 a/n/ac)
	Frequency	2.400 GHz – 2.4835 GHz 5.150 GHz – 5.850 GHz
Power input	DC 12/24 V  supported	Rear Camera (BCQH-700): DC 5 V  supported
Power consumption	2ch: 5.1 W / 1ch: 3.6 W (mean)	• Actual power consumption may vary depending on the usage conditions and environment. • Rear Camera (BCQH-700): 0.59W
Auxiliary power unit	Super Capacitor	
LED indicators	STATUS, REC, Security	
Alarm	Built-in speakers	Voice guide (buzzer sounds)
Operating temperature	14 – 140°F / -10 – 60°C	
Storage temperature	-4 – 158°F / -20 – 70°C	

FCC Compliance Statement

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.

FCC Interference Statement

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 correct the interference by one 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 which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b/g/n operation of this product in the USA & CANADA is firmware-limited to channels 1 through 11.

FCC ID: 2ADTG-ARC900

Responsible Party – U.S. Contact Information

- Company Name : Thinkware Systems USA Inc.
- Company Address : 18021, Sky Park Circle, STE J2, Irvine, CA, 92614, USA
- E-mail : support@thinkware.com

Industry Canada Statement

This device complies with RSS-247 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Industry Canada Radiation Exposure Statement

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

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

IC: 12594A-ARC900

Canadian Representative

- Company Name: Mondo System Technology Canada Inc.
- Contact Name: Youngtae Song
- Company Address: 210-1580 BRIGANTINE DRIVE COQUITLAM BC, V3K7C1, CANADA
- ISED Company Number: 9737B
- Telephone: 604.544.2741
- Email: andy.song@mondosystem.com

Canada Availability Guarantee

Garantie de disponibilité (Canada)

Repairability and Availability Information

To comply with Québec's *Consumer Protection Act* (Bill 29), this product includes information on the availability of spare parts, repair services, and repair instructions.

Spare parts are covered under Thinkware's limited warranty and available for purchase after the warranty period.

Information sur la réparabilité et la disponibilité

Conformément à la *Loi sur la protection du consommateur* du Québec (projet de loi 29), ce produit comprend des renseignements sur la disponibilité des pièces de rechange, des services de réparation et des instructions de réparation.

Les pièces de rechange sont couvertes par la garantie limitée de Thinkware et disponibles à l'achat après la période de garantie.

Scan the QR code here for more information.

Scannez le code QR ici pour plus d'informations.





Hereby, THINKWARE declares that the radio equipment type ARC900 is in compliance with Directive 2014/53/EU.

- WIFI (IEEE 802.11b/g/n) in the 2.4GHz ISM band (2402-2438.5MHz), Maximum Power (22 dBm/159 mW (EIRP))
- WIFI (IEEE 802.11a/an/ac) in the 5GHz ISM band (5150-5850MHz), Maximum Power (17 dBm/51 mW (EIRP))



Important information on handling electrical and electronic equipment

Thank you for purchasing a THINKWARE brand product. To ensure that you can dispose of the device properly and in an environmentally friendly manner, we would like to draw your attention to the statutory provisions of the European Waste of Electrical and Electronic Equipment (WEEE) directive and its national implementations.

1. Separate disposal

The WEEE directive and related national laws stipulate that electrical equipment must not be disposed of with household waste. Instead, it must be disposed of properly. Please hand in the device at a public collection point or your local recycling center. There it will be handled properly and recycled in an environmentally friendly manner.

2. Labeling

Electrical appliances are marked with a symbol (crossed-out dustbin on wheels) indicating that the appliance must not be disposed of with household waste.

3. Data erasure

Before disposing of the electrical device, you must ensure that all personal data stored on the device has been deleted. To do this, you can reset the device to the factory settings or delete the data manually.

4. Return and collection systems

You also have the option of returning the electrical device free of charge to municipal collection points, recycling centers or retailers. There, the device will be properly handled and recycled.

We hope that you are satisfied with your electrical product and that it will serve you well. If you have any further questions, please do not hesitate to contact us or one of our local distributors.



Statement of Compliance

1. Product Type : Car Dash Cam
2. Manufacturer : THINKWARE CORPORATION
- Manufacturer's Address : 9FL., Samwhan Hipex A, 240, Pangyoyeok-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, South Korea
3. This declaration of compliance is prepared by the manufacturer of this product.
4. Object of the declaration : ARC 900
5. We declare that, in our opinion, the product meets the applicable security requirements.
- Schedule 1 of the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulation 2023.
6. References to the relevant harmonized standards or other technical specifications in relation to which conformity is declared : ETSI EN 303 645 V2.1.1 (2020-06) ref. REN/CYBER-0048
7. Defined support period : 2025. 10. 15 - 2028. 10. 14
(3 years from the first product supplied date)
8. Weblink for latest information and to report security issues : www.thinkware.com/PSTIpolicy
- Signed for and on behalf of : THINKWARE CORPORATION
- Date : 2025. 09. 23

Name : Jinwoo Jung

Function : Project Manager

Signature :



<https://www.thinkware.com>