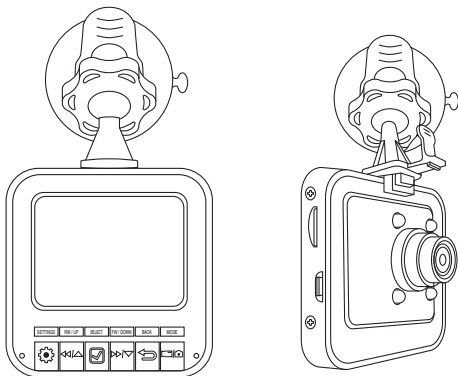# PEAK

2.4-inch Dash Cam

Model No.: PKC0VER

Owner's Manual
and Warranty Information

Read these instructions completely before using this product.

Retain this Owner's Manual for future reference.

CONTENTS

SAFETY PRECAUTIONS

⚠ WARNING **This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.**

⚠ This safety alert symbol indicates that a potential personal injury hazard is present. The symbol is usually used with a signal word (e.g., **WARNING**) which designates the degree or level of hazard seriousness.

The signal word **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

The signal word **NOTICE** indicates a situation which can cause damage to the product, other personal property and/or to the environment, or cause the product to operate improperly.

The combination of the safety alert symbol and signal word is used in safety messages throughout this manual and on safety labels on this product.

⚠ WARNING **All safety messages that follow have WARNING level hazards. Failure to comply could result in death or serious injury.**

Dash Cam Safety

- Check with your local and state authorities to confirm what is legal regarding the mounting of the Dash Cam to your vehicle. It is the responsibility of the vehicle owner to understand state and municipal regulations and ensure compliance.
- When <u>installing the Dash Cam</u>, the vehicle must be turned off with the vehicle in park and the parking brake applied.
- Do not modify the wiring in any way.
- Only install the Dash Cam to a 12-volt or 24-volt DC system or with supplied micro USB charge/download cable. Connecting to anything other than a 12-volt or 24-volt DC system may damage the Dash Cam components or the vehicle electrical system.
- Keep all power cords and wires away from the vehicle's mechanical controls.
- Do not use any charging cables that are not approved or supplied with this Dash Cam. Doing so may damage the Dash Cam.
- Do not remove the non-replaceable battery from the product.
- Do not operate the Dash Cam outside the temperature ranges of -4°F to 122°F (-20°C to 50°C).
- Do not store the Dash Cam outside the temperature ranges of -22°F to 140°F (-30°C to 60°C).
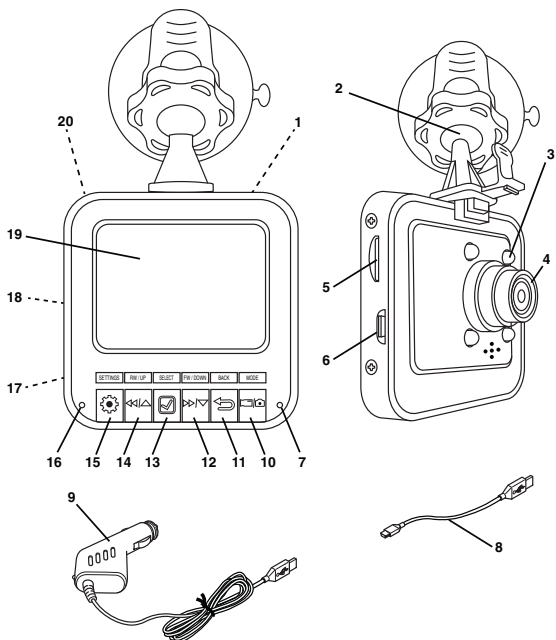
Vehicle Installation Warnings

- Do not mount the Dash Cam in any position where it can obstruct or interfere with your vision or view of the road while driving.
- Do not adjust Dash Cam settings while operating the vehicle.
- Do not place the Dash Cam near any airbags, as this will hinder the functionality of the airbags.
- Find a mounting surface inside the vehicle for the Dash Cam where it can be easily seen, but is not near the rearview mirror assembly or in any other position where it can obstruct your vision when driving.

INTRODUCTION

The PEAK® Dash Cam is a video recording camera intended to capture incidents while driving. It provides video evidence when you need it the most. The recorded footage can be played back on the 2.4 inch screen or downloaded to be reviewed on another device. The video footage can be protected after it is recorded to avoid accidently overwriting the old file.

FEATURES

- 2.4-inch LCD screen displays footage being recorded
- Night vision – 4 infrared LEDs for clear capture at night
- 4 gigabyte micro SD card included to store recorded video
- Programmable date and time to display on recorded video
- 360-degree swivel ball joint suction mount provides the ability to rotate camera to desired position
- Built-in microphone to record audio
- Can be used with rechargeable battery or plugged into a 12/24-volt DC power socket
- Can record video or take a still image picture
- Anti-shake setting to allow clear pictures under vibration
- G-sensor – if an incident occurs, this feature activates to lock and save video file
- Park Mode – if an incident occurs when the car is parked, this feature activates to record and save files
- Micro USB charging provides versatility in charging with laptops and cell phones
- 120-degree viewing angle provides optimal field of vision for viewing
- Auto ON/OFF feature turns the Dash Cam on with engine start
- Power ON/OFF LED – when in screen saver mode, this LED blinks to let the user know recording is in progress

Legend

1. Power ON/OFF Button
2. 360-Degree Swivel Ball Joint Suction Mount
3. Night Vision Infrared LEDs
4. 120-Degree Viewing Angle Lens
5. Micro SD Card Slot
6. Micro USB Charging Port
7. Power ON/OFF LED
8. Micro USB Charge/ Download Cable
9. 12/24-volt DC Charge Cable
10. Mode Button
11. Back Button
12. Fast Forward/Scroll Down Button
13. Select Button
14. Rewind/Scroll Up Button
15. Settings Button
16. Microphone
17. Built-in Park Mode Sensor
18. Reset Button
19. 2.4-inch LCD Screen
20. Built-in G-Sensor

QUICK START GUIDE

Buttons	Description	Function
⏻	Power ON/OFF	Turns the Dash Cam on and off
⚙	Settings	Allows you to set up video and camera settings
⏪/△	Rewind/Scroll UP	In Playback Mode the RW/UP button allows you scroll to select the video to view. In Playback Mode when playing video, the RW/UP button will rewind the current video. When in the Settings menu it allows you to scroll up through the menus.
☑	SELECT	In Video Mode – the Select button allows you to start or stop recording. In Picture Mode – the Select button allows you to take a picture by pressing the button. In any other mode – It allows you to confirm your selection from the menu.
⏩/▽	Fast Forward/Scroll DOWN	In Playback Mode: the FW/DOWN button allows you to select the video to view. In Playback Mode when playing video, the FW/DOWN button fast forwards the current video. In the Settings menu it allows you to scroll down through the menus.
⇦	BACK	Pressing the Back button will take you back to the previous page.
▭◌	Mode	Pressing the Mode button allows you to choose between Video, Picture, and Playback Mode.
	Reset	Helps device to restart

INSTALLATION

NOTICE **Please review the Vehicle Installation Warnings prior to installing the Dash Cam in your vehicle.**

1. Find a mounting surface inside the vehicle for the Dash Cam where it can be easily seen, but is not near the rearview mirror assembly or in any other position where it can obstruct your vision when driving.

NOTICE **To maximize the effectiveness of the suction mount, the mounting location surface temperature should be between 70°F and 100°F (21°C and 38°C); avoid application below 50°F (10°C).**

2. Press the suction mount against the mounting surface and push the suction lock lever up. Make sure it is attached securely.
3. Plug the Dash Cam 12V/24V DC charge cable into the Dash Cam's micro USB port and the other end to the vehicle's 12-volt or 24-volt DC power socket.

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To stop recording and to access other menus, press the Select button to stop recording.

Initial Setup

The G-Sensor (((⌒))) feature locks video files during an incident. This setting allows you to turn off the feature, or set it at 2G (most sensitive to acceleration), 4G, or 8G (least sensitive to acceleration). The G-Sensor feature is "off" by default.

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. To turn on the G-Sensor (((⌒))), press the Settings button.
2. Ensure Video Mode 🎦 is selected.
3. Press the FW/DOWN Arrow button to highlight the G-Sensor option and press the Select button.
4. Using the RW/UP and FW/DOWN buttons choose the sensitivity of the G-Sensor.
5. 2G indicates most sensitive to acceleration.
6. 4G indicates more sensitive to acceleration.
7. 8G indicates less sensitive to acceleration.
8. Press the Select button to confirm your selection.
9. To exit out of the menu, press the Back button until you exit out of the Settings menu.

In Park Mode P when the Dash Cam is powered off and the car is parked, if an incident occurs the Dash Cam will automatically turn ON and start recording for 20 seconds if it is not externally powered. It will continuously record if it is externally powered. This setting allows you to turn off the feature, or set it at 2G (most sensitive to acceleration), 4G, or 8G (least sensitive to acceleration). The Park Mode feature is "off" by default.

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. To turn on the Park Mode P, press the Settings button.
2. Ensure Video Mode 🎦 is selected.
3. Press the FW/DOWN Arrow button to highlight the Park Mode option and press the Select button.
4. Using the RW/UP and FW/ DOWN buttons, choose the sensitivity of the Park Mode sensor.
5. 2G indicates most sensitive to acceleration.
6. 4G indicates more sensitive to acceleration.
7. 8G indicates less sensitive to acceleration.
8. Press the Select button to confirm your selection.
9. To exit out of the menu, press the Back button until you exit out of the Settings menu.

The Night Vision feature ☼ is "off" by default.

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. To turn on the Night Vision ☼, press the Settings button.
2. Ensure Video Mode 🎦 is selected.
3. Press FW/DOWN arrow button to highlight the Night Vision option and press the Select button.
4. Using the RW/UP and FW/DOWN Arrow button, select On or Auto (for automatic turn on of night vision).
5. Press the Select button to confirm your selection.
6. To exit out of the menu, press the Back button until you exit out of the Settings menu.

General Settings 🔧

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. To change the settings for the microphone, loop recording, date/time stamp and other general settings, press the Settings button until the Setup icon 🔧 is highlighted.
2. Use the RW/UP and FW/DOWN Arrow buttons to select the desired feature and use the Select button to confirm your selection.
3. Within the selected feature use the RW/UP and FW/DOWN Arrow buttons to select the desired setting of the feature and use the Select button to confirm the selection.

Simple Operation

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

To manually start and stop recording a video:

Option 1:
1. Press Power ON/OFF button.
2. If the video is recording, it will automatically stop. If the video is stopped, it will automatically begin recording.

Option 2:
1. Press the Mode button 🔲 and select Video Mode 🔲.
2. Press the Select button to start or stop recording.

NOTE: While recording, you can also lock the file by pressing the Back button.

SETUP

Video Mode 🔲

1. To adjust settings for Video Mode, press the Settings button and highlight the Video Mode Setting Menu Icon 🔲.
2. Using the RW/UP and FW/DOWN Arrow buttons, choose the desired feature and press the Select button to confirm the selection.
3. Within the selected feature, use the RW/UP and FW/DOWN Arrow buttons to choose the desired setting of the feature and press the Select button to confirm the selection.

Description	Function
MP Resolution	Setting up resolution of video.
	1080FHD (highest), 1080P, 720P, WVGA, VGA (Lowest)
Loop Recording	Sets up how much time to record before looping over. Settings are Off, 1, 2,3, 5 or 10 minutes.
G-Sensor	This feature locks video files during an incident. This setting allows you to turn off, 2G (most sensitive to acceleration; 4G, 8G least sensitive to acceleration)
Park Mode	When the Dash Cam is powered off and feels a sudden acceleration, the Dash Cam will start recording for 20 seconds if it is not externally powered and continuous recording if externally powered. This setting allows you to turn off, 2G (most sensitive to acceleration; 4G, 8G least sensitive to acceleration)
Exposure	This feature allows the user to manually control the amount of sunlight penetrating into the sensor. +2.0 (more bright), +5/3, +4/3, +1.0, +2/3, +1/3, +0.0 (Default), -1/3, -2/3, -1.0, -4/3, -5/3, -2 (dim image).
Date Stamp	Allows the setup for time and date for video recording
Night Vision	Enables the ability to record videos in the dark. To set up simply select ON, OFF or Auto Mode
Microphone	Enables the ability to record sound when recording.

Camera Mode ⟨⬡⟩

1. To adjust the settings for Camera Mode, press the Settings button and highlight the Camera Mode Setting Menu Icon ⟨⬡⟩.
2. Use the RW/UP and FW/DOWN Arrow buttons to select the desired feature and use the Select button to select the feature.
3. Within the selected feature use the RW/UP and FW/DOWN Arrow buttons to select the desired setting of the feature and press the Select button to confirm the selection.

Description	Function
MP Resolution	Setting up resolution of the pictures.
	12M (highest), 10M, 8M, 5M, 3M, 2MHD, 1.3M, VGA (lowest)
Sharpness	Choose the sharpness of the pictures taken. Strong, Normal, Soft.
Quality	Choose the quality of the pictures taken. Fine, Normal, Economy.
White Balance	Calibrate the white color on image. Auto, Daylight, Cloudy, Tungsten, Fluorescent.
ISO	Adjust camera sensitivity level setting. Auto, 100, 200.
Exposure	Allows the user to manually control the amount of sunlight penetrating into the sensor. +2.0 (more bright), +5/3, +4/3, +1.0, +2/3, +1/3, +0.0 (Default), -1/3, -2/3, -1.0, -4/3, -5/3, -2 (dim image).
Anti-Shaking	Allows the camera to take clear pictures under vibration.
Quick Review	Off – Take photo (under Picture Mode) will immediately return a live picture after taken.
	2 seconds - When picture is clicked, the frame will freeze for 2 seconds before returning to Live Mode.
	5 seconds – When picture is clicked the frame will freeze for approximately 5 seconds before returning to Live Mode.
Date Stamp	Allows user to set up time and date for video recording.
Night Vision ☀	Enables the ability to record videos in the dark. To set up simply turn ON, OFF or set in Auto Mode.

General Setup ⟨▭⟩

1. To adjust settings for General Set Up, press the Settings button and highlight the General Setup Menu Icon ⟨▭⟩.
2. Use the RW/UP and FW/ DOWN Arrow buttons to select the desired feature and use the Select button to select the feature.
3. Within the selected feature, use the RW/UP and FW/DOWN Arrow buttons to select the desired setting of the feature and use the Select button to confirm the selection.

Description	Function
Date/Time	Sets up Date/Time
Screen Saver	Sets the time before a blank screen appears. Off, 3 min, 5 min, 10 min.
Auto Power Off	Sets the time before a blank screen appears. Off, 1 min, 3 min.
Beep Sound	Enables sound when each button is pressed.
Volume	Controls the volume of the video. (0 low - 7 high)
Microphone	Enable the ability to record sound.
Night Vision	Enables the ability to record videos in the dark. To set up simply turn ON, OFF or set in Auto Mode.
G-Sensor	Feature locks video files during an incident. This setting allows user to turn off, 2G (most sensitive to acceleration; 4G, 8G least sensitive to acceleration)
Park Mode	When the Dash Cam is powered off and feels a sudden acceleration, the Dash Cam will start recording for 20 seconds if it is not externally powered and continuous recording if externally powered. This setting allows you to turn off, 2G (most sensitive to acceleration; 4G, 8G least sensitive to acceleration)
Language	Change all text to selected language. English, Traditional Chinese, Simplified Chinese, Japanese, French, Dutch, Korean, Italian, Portuguese, Russian, Spanish.
Format	Erases all files in the SD card.
Default Setting	Reset all settings to factory default settings.
Version	Firmware update.

OPERATION

To record a video:

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

To manually start and stop recording a video:

Option 1:
1. Press Power ON/OFF button.
2. If the video is recording it will automatically stop. If the video is stopped it will automatically begin recording.

Option 2:
1. Press the Mode button and select Video Mode ▭.
2. Press the Select button to start or stop recording.

NOTE: While recording, you can also lock the file by pressing the Back button.

To take a picture:

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. Press the Mode button and continue clicking until Camera Icon ⃞ is highlighted on screen. The text "camera" will be displayed on the screen.
2. Press the Select button to confirm selection.

3. Press the Select button again to take a picture. The frame will freeze to confirm the picture has been taken.

To view a recorded video or picture ▷:

NOTE: Upon powering up, the Dash Cam will be in the default Video Mode and will start recording. To access other menus, press the Select key to stop recording.

1. Press the Mode button and continue clicking until the Playback Arrow Icon ▷ is highlighted. The text "playback" will be displayed on the screen.
2. Press the Select button to confirm selection.
3. In Playback Mode, use the RW/UP and FW/DOWN Arrow buttons to scroll and select the file you want to view.
4. Press the Select button to choose the file.
5. When the file is chosen, use the RW/UP and FW/DOWN Arrow buttons to highlight one of the three functions.
    •   When the Play Icon is selected, the selected file will play on screen.
    •   When the Protect Icon is selected, it will allow user to lock the current file, unlock the current file, lock all files or unlock all files.
    •   When the Delete Icon is selected, it will allow the user to delete the current file or delete all files.
6. When the desired function is highlighted, press the Select button to activate the function.
7. When finished use the Back button until you exit the menu.

To protect a file:

Option 1:

1. Press the Back button when recording in Video Mode to lock the current file.

Option 2:

1. Press the Mode button and continue clicking until the Playback Arrow Icon ▷ is highlighted. The text "playback" will be displayed on the screen.
2. Press the Select button to confirm selection.
3. In Playback Mode, use the RW/UP and FW/DOWN Arrow buttons to scroll and select the file you want to protect.
4. Press the Select button to enter the file.
5. When the file is chosen, use the RW/UP and FW/DOWN Arrow buttons to highlight the Protect Icon.
6. When the Protect Icon is selected, it will allow the user to lock the current file, unlock the current file, lock all files or unlock all files.
7. When the desired function is highlighted, press the Select button to activate the function.
8. When finished use the Back button until you exit the menu.

To save the files to your computer:

Option 1:

1. Turn off the Dash Cam on by pressing the Power ON/OFF button.
2. Plug the micro USB charge/download cable into the micro USB charging port.
3. Plug the USB end of the charge/download cable into the USB port of your computer, laptop or other device.
4. When connected the text mass storage will display on the Dash Cam screen.
5. Use your computer, laptop or other device to browse the stored files on the SD card. Copy the videos or pictures from the SD card to your computer, laptop or other device.

Option 2:

1. Turn off the Dash Cam by pressing the Power ON/OFF button.
2. Remove the micro SD card from the Dash Cam.
3. Insert the micro SD into your micro SD card reader or micro SD card port on your laptop.
4. Open up the micro SD card from your computer.
5. Copy the videos or pictures from your micro SD card to your computer.

CHARGING GUIDELINES AND PRECAUTIONS

NOTICE Failing to follow the guidelines below may shorten the lifespan of the battery or damage the internal battery.

NOTICE Only charge the battery using a 12V or 24V system and the cables supplied with the Dash Cam. Never charge the Dash Cam using any other cables than the supplied cables.

NOTE: When the battery is low, the Battery Low warning will flash on the screen.

Option 1:

Plug the Dash Cam 12V/24V DC charge cable into the Dash Cam's micro USB charging port and the other end into the vehicle's 12-volt or 24-volt DC power socket to start charging.

Option 2:

Plug the Dash Cam micro USB portion of the cord into the Dash Cam's micro USB charge port and the other end to the USB port of your computer or AC adapter to start charging.

CARE AND MAINTENANCE

Storage

Store this Dash Cam in a cool, dry area and keep it away from direct sunlight, heat, excessive humidity and dampness.

Cleaning

Turn off and unplug the Dash Cam before cleaning.

Do not clean or wipe the Dash Cam with solvents or chemical materials.

Fuse Replacement

1. Disconnect the 12/24-volt DC charge cable from the vehicle's 12V or 24V DC power socket and from the Dash Cam.
2. Turn fuse holder cap counterclockwise to remove cap and fuse.
3. Clean fuse socket and terminals as required.
4. Replace fuse with equivalent 3A fuse. (Not provided by OWI.)
5. Install cap and tighten clockwise by hand.

Disposal

The Dash Cam is designed to provide years of service. However, when the internal battery reaches the end of its service life, the Dash Cam will not be able to charge anymore. The internal battery is not designed to be user replaceable.

The Dash Cam should be recycled or safely disposed of at a local recycling center. Examples of places that will accept items like this are: county or municipal recycling drop-off centers, scrap metal dealers and retailers who sell replacement lithium ion batteries.

SPECIFICATIONS

Current consumption	≤500 mA
View angle	120°
Screen size	2.4"
Video file resolution	1920X1080 pixel
Picture resolution	4032X3024 pixel
Battery	3.7V 0.925Wh lithium battery
Video format	MJPEG
Picture format	JPG
Working temperature	-4°F to 122°F (-20°C to 50°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)

FCC INFORMATION

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

NOTICE **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 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 transmitter.**
- **Increase the separation between the equipment and monitor.**
- **Connect the equipment into an outlet on a circuit different from that to which the monitor is needed.**
- **Consult the dealer or an experienced radio/TV technician for help.**

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 of device. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

Notice to Drivers in California and Minnesota:

State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard or friction mounting options should be used. PEAK® does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71)

TROUBLESHOOTING

Problem	Situation	Action
Monitor is blank or unclear	No power to Dash Cam	Ensure that the charging cable is connected correctly to the micro USB port and the 12V or 24V DC power socket.
	Dash Cam is off	Turn on the Dash Cam by pressing the Power ON/OFF button.
	Screen saver is on	Press a button to deactivate screen saver.
	Auto On/Off feature	Press a button to turn the Dash Cam back on.
Blue screen or locked screen	Dash Cam not functioning properly	Using a paper clip, press the Reset button.
Cannot access Settings menu	Dash Cam is recording	Press the Select button to stop recording.
Cannot access Mode menu	Dash Cam is recording	Press the Select button to stop recording.
Suction cup keeps falling off	Improper installation	Refer to the Installation section on page 5 for proper installation procedures.
Dash Cam is not recording	User has stopped recording	Press the Select button to start recording.
	Micro SD card is full	Option 1: Delete some files. Refer to Operation on page 9 to delete files. Option 2: Save files to your computer. Refer to Operation on page 9 to save files to your computer.
	Loop recording feature is off	Turn on loop recording feature. Refer to Initial Setup on page 5 for instructions on how to set up the loop recording feature.