DASH CAMERA ORBIT 1400

Quick User Manual

Disclaimer

1. Please follow the set-up and usage instructions in the print material that came with this Dashboard Camera (dash cam) product.

2. You should not set/install this dash cam at a place that would obstruct or reduce a driver's view; make sure your usage complies with pertinent vehicle codes of your state, province, territory or country.

3. You should only use the standard original power cord that came with the product, professional installation is recommended.

4. You should not change the dash cam's setting or mode of operation or when the vehicle is in motion.

5. The optional driving warning signals, including any visual or audible reminding signals, should not replace your decision-making and judgment that are needed for the proper operation of the vehicle.

6. You should not leave the dash cam in a visible spot when no one is inside the vehicle, to avoid attracting break-ins to steal the unit, or other property.

7. You should avoid extended exposure of the dash cam to direct sunlight or extreme temperatures (either high or low temperature) which tend to degrade or damage the unit and its normal functionality.

8. You should examine, check and/or verify the dash cam at least every six (6) months, including the associated memory cards, to ensure the video reception and recording are working properly. For each use, you should verify that the dash cam unit, the visible lights and the audible sounds are working normally. If there are signs of non-operation or mal-function, you should immediately seek to replace the product and check to see if the product is covered under any applicable warranty.

9. The dash cam unit may have additional functionality, such as transmission and recordation of audible or GPS signal or other identification information. If you have privacy concerns about these functions, make sure you follow the instruction to disable these functions.

10. You should use the dash cam unit in the way it is intended. You should not use the dash cam unit in a way that would be illegal or that tends to physically damage the unit, or tends to cause danger to the safe operation of the vehicle or the occupants.

Attention Please!

【About Usage】

1. The embedded super capacitor can help to save your recorded file even if the power is off.
2. To avoid breaking down the file recorded, don't eject the micro SD card immediately after powering off.
3. We suggest using adapter provided to view the footage on the micro SD card.
4. To enable detecting and monitoring function, the power supplier must be enabled.

【About Micro SD Card】

1. Please use microSD card with the size / memory at least 16GB, Class 10 (up to 128GB).
2. Be sure to format Micro SD card before usage.
3. The following information is the card capacity and recording time.

    (Reference only)

Resolution	16GB	32GB	64GB	128GB
1920*1080 (F)	175min	370min	755min	1510min

Product features may change according to region in which it is purchased without notice.

Thank You!

Thank you for purchasing the ORBIT 1400 dash camera.

This user manual contains technical specifications and instructions for use, operate,

and install. Please read this manual carefully before using.

Product Overview

This product is a high-definition digital display with up to four cameras, with high-quality digital audio
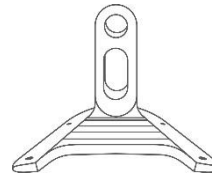
Package Contents

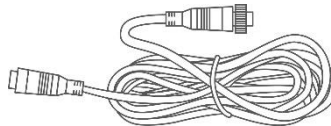Orbit 1400 Monitor   Cameras x4   Bracket

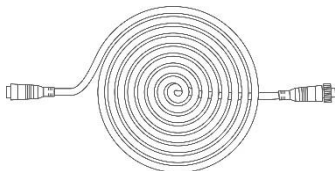32GB Micro SD Card   5m power cables x3   User Manual
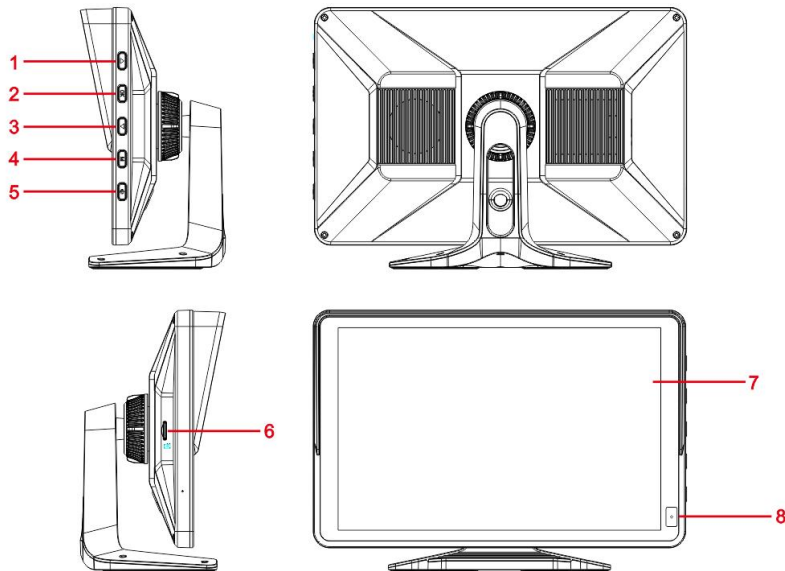
15m power cable x1

Product Features

1. 4 cameras, 142 degree high resolution wide angle lens

2. DDR3 512M Memory

3. 10.1 inch IPS screen

4. Built-in Microphone

5. Built-in Speaker

6. Support Micro SD card up to 128GB

7. SOS File Locking Function

8. Loop Recording, Time and Date Stamp

9. 50Hz/60Hz Refresh Rate

10. Supports PC USB Connection

Dash Cam Monitor Button Layout

1. Up Button	2. OK Button	3. Down Button
4. Menu Button	5. Power Button	6. TF/SD Card Slot
7. Screen	8. IR Receiver	

Where to Install Your Unit

1. To have a better view, try to install the monitor on your dashboard.
2. Make sure the lens of the front facing camera is located in a place where the windshield wiper can clean the window to ensure view is clear.
3. Make sure the device is not installed in a place where it will interfere with the safety bag.
4. Make sure the device will not be obstructed by the windshield's sun control film (window tint).
5. Clean the area you desire to have the dash cam placed before sticking the device, and DO NOT move the device for a 24-hour period.

How to Install Your Dash Cam

1. Insert a C10/U3 or higher, 16 GB or larger, MicroSD card. (32 GB MicroSD card included)
   ⚠️Notice:
     - Use a genuine high-speed SD card Class 10 (C10/U3) or higher, 16GB or above. Insufficient card capacity or insufficient card speed will result in incompatibility or unstable recording. When using a new card, please format the card in the menu and set the date and time before use.
2. Remove the protective film from the cameras and mount them.

3. Affix the mount onto the inside of the cabin with a clear view of the windshield.

4. Connect the power cord to one of the power connectors of the Orbit 1400
5. Carefully manage and run your wiring along the window trim.
6. Dash cam will automatically turn on once the ignition is on

Wiring

1. Please wire the cables into the corresponding fuse box interface
- Yellow – 12V-24V (battery)
- Red – Ignition
- Black - ground.

Trigger Lines

The corresponding 12 – 36V trigger signal source such as reversing, turn signal.
1. Channel 1 – Front
2. Channel 2 – Rear
3. Channel 3 – Left
4. Channel 4 – Right

Power ON

1. Wire the cables into the proper battery power source and the device will auto power on.
2. Make sure to input the microSD Card into the microSD Card slot on device.
3. After turning on, the system will start recording automatically. The LED light will turn flashing when recording mode has started.

*Reminder: For the first time, please format microSD card before you start recording.

Power Off

Hold down the power button at least 5 seconds to turn off device. To avoid breaking down the last file recorded, do not eject the SD Card immediately after powering off.
If you need to turn it back on simply hold the power button for at least 3 seconds.

Micro SD Card Insert and Removal

1. Insert the Micro SD card into the Micro SD card slot on the dash cam.

2. To take out the Micro SD card, please gently press down the Micro SD card and it will pop out from the slot.

⚠️ **Caution**！

- Please pay attention to the direction of the Micro SD card when inserting.

- If you are going to upgrade bigger capacity Micro SD card, please refer to the compatible

- microSD card brands on www.mygekogear.com or contact myGEKOgear customer service.

- Please use a high-speed Micro SD card (Class10 or above).

Menu

1. To enter menu, press the Menu button ⓜ or the Home button on the screen.
2. Use the Up and Down arrow buttons ▲ ▼ to navigate or press the option you desire on the screen.
3. To exit the menu, short press the menu button ⓜ again to exit.
4. Press OK ⓞⓚ to start the recording again

Four Way Monitoring
- Takes you back to the recording screen

AI Pedestrian Detection
1. Ped Detection
- Close/Open/Signal Trigger(Default)

2. Ped Detection Alarm
- Close/Open/Signal Trigger(Default)

3. AI Anti Theft
- Close(Default)/Left/Right

Settings Options
4. Recording Resolution
- Resolution: 1080P FHD/ 720P

5. Loop Recording
- 2 minutes/3 minutes/5 minutes

6. Microphone
- Turn off/Turn on

7. Image Mirror
- Front/back/left/right

8. Video Format
- 720P 25FPS/720P 30FPS/1080P 30FPS

9. Parking Monitoring
- Turn off/4 hours/8 hours/12 hours

10. Time Configuration
- YY/MM/DD HH/MM/SS

11. Reversing Line
- Turn off/Turn on

12. Reversing Line Calibration
- Use the Up and Down arrow buttons ▲ ▼ to calibrate reversing lines, once done click confirm to finish.

13. Screen Saver

- Turn off/1 minute/5 minutes

14. Language

- English/French/Chinese

15. Storage Info

- 2 minutes/3 minutes/5 minutes

16. Format

- Format/Cancel (Formats the SD Card)

17. Factory Reset

- Confirm/Cancel

18. Firmware Version

- Displays current firmware version

19. Return

- Exit the menu options

Recording Mode

When the red dot is in the upper left corner it means you are in recording mode, you can:

- Audio Recording (Default ON): Tap the screen and press the record button (the second button to the right) to stop or start recording. Press the microphone button (third button to the right) to mute audio recording. Press the Microphone button to start audio recording again.

Playback Mode
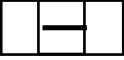
When red dot is blinking, it means dash cam is in the recording mode. Press OK (OK) to stop recording. Then, press M (M) to enter the menu and select Video Playback. In Playback mode, you can:

- Playback: To navigate a file, press up arrow (▲) or down arrow (▼) button to navigate files.

- Enter Playback Menu: Short press the up arrow button (▲), or the down arrow button (▼) to navigate. Press the ok button (OK), to enter the setting. Use up (▲) and down (▼) button to navigate selections. Press OK (OK) to select or menu button (M) to exit selection.

Reverse Mode

- When the reverse cable signal is triggered, the camera view for channel 4 will automatically be displayed to show the rear image.

- When the signal disappears, it will automatically switch back to the multi-camera display. (Any adjustments to the operation in reverse mode can only be made when there is a reverse signal).

Screen Layout Options

- Short press the Up arrow button ⊙ to switch the 4-screen interface
- Short press the up arrow button ⊙ to switch to the next display mode
- Press the screen layout button [├─] on the screen (5th button from the left) to change the layout

Left		Front					
Right		Rear		Left	Right	Front	Rear
(1)		(2)		(3)		(4)	

Front		Left	Right		Front	Front	
Left	Right	Rear		Left	Rear	Rear	Right
(5)		(6)		(7)		(8)	

Front	Rear		Front	
Left	Right	Left	Rear	Right
(9)			(10)	
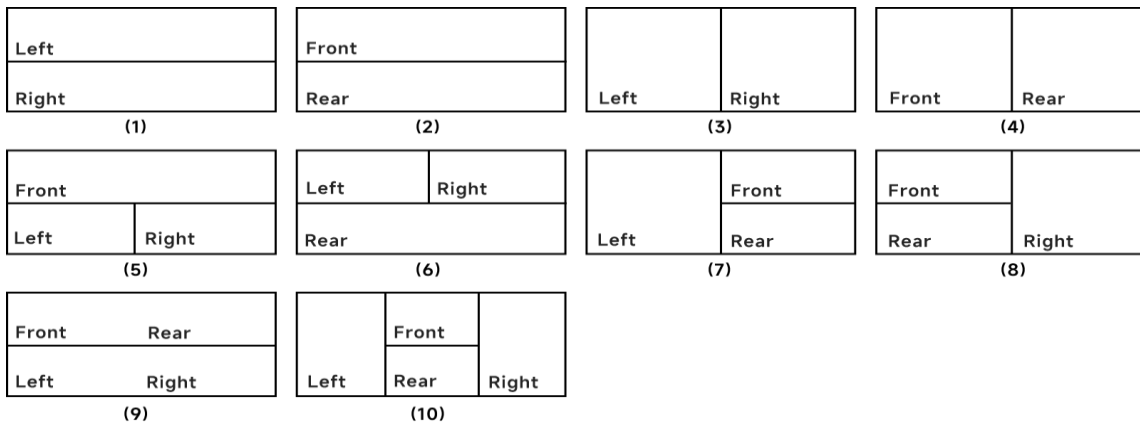
Specifications

Screen	10.1" IPS screen
Video Resolution	FHD 1920X1080 30fps
Lens	142 degree wide angle
Languages	English/French/Chinese/Korean/Japanese
Photo Format	JPEG
Video Format	TS / H.264
G-sensor	YES
Loop Recording	YES
Memory	DDR3 512M
Working Temperature	0℃~60℃ / 32°F~140°F
Storage Temperature	-10℃~70℃ / 14°F~158°F
Memory card	Micro SD card up to 128GB, Class 10 or above
Power	9V/30V
Cores	four-cores

Common Troubleshooting Issues

1. Camera is not recording
- Format the TF card through the machine.
- Format the SD card in a PC/Mac to the FAT32 file system.
- Replace with a new memory card.

2. Memory error or file error
- Format the SD card.

3. Screen freezes or crashes
- Format the SD card.
- Replace the SD card with a Class 10/U3 (or higher) memory card.

4. Recordings have no sound
- Set [Record Audio] to ON in the menu.
- Toggle mute audio from OFF to ON by pressing the Microphone button while recording.

5. Screen goes black after a few minutes
- Check [Screen Saver] setting in the main menu.

6. Screen is blurry or goes black while recording
- Format the SD card.
- If the above suggestions do not work, replace the SD card with a new C10/U3 card.

7. The M/MENU button does not work
- Press the OK button to PAUSE recording and try again.

8. After connecting power, the camera does not turn on
- Ensure the wiring is properly connected

Precautions

1. To ensure the highest possible video quality, check for obstructions in front of the lens, and clean the lens regularly with a soft lens cloth.
2. To reduce wear and tear on the camera and its internal components, avoid long-term exposure to the sun or extreme hot/cold environments.
3. Upon inserting a new SD card, format the SD card in the camera's menu first, otherwise there may be a card read error.
4. To avoid card speed or card read errors, format your SD card regularly.
   It is recommended to replace the SD card every six months to minimize the chance of a fault that may result in corrupted or lost recordings.
5. If the recording date is incorrect, enter the menu and re-enter the time and date information

Disclaimer

1. Follow the setup and usage instructions in the printed materials included with this dash cam.
2. Do not set/install the BH100 where it obstructs or reduces the driver's view. Ensure that your use of the dash cam is in compliance with the relevant vehicle regulations of your state, province, region, or country.
3. If audio or other information/signals related to in-vehicle activity are to be recorded, you should post necessary recording notices to occupants of the vehicle.
4. Do not change camera settings or operating modes while the vehicle is in motion.
5. Optional driving warning signals, including any visual or audible reminders, should not replace your decision-making and judgment.
6. Avoid placing the camera in a conspicuous place when no one is in the vehicle to avoid attracting thieves.
7. Avoid exposing the BH100 to direct sunlight or extreme temperatures (high or low), as these factors can degrade or damage the device.
8. Inspect and verify proper camera operation once at least every 6 months, including testing the memory

card, to ensure the camera is functioning and recordings are captured properly. On each use, you should verify that the camera assembly, indicator lights, and sounds are functioning. If there are any signs of non-operation or malfunction, immediately seek a replacement product or check if it is covered by any applicable warranty.

9. Dash cams may have additional functions such as transmitting and recording sounds, GPS signals, or recording other identifying information. If you have privacy concerns about these features, follow the instructions in this manual to disable these features.

10. Please use the dash cam for its intended purpose. Do not use it in an illegal manner, or in a way that may physically damage the device or create a hazard to the safe operation of the vehicle or its occupants.

Firmware Updates

1. Check the current firmware version of the dashcam in the menu settings to ensure you are not downloading the same firmware or incorrect version.
2. Download the firmware file onto a computer and insert the SD card into the computer.
3. Format the SD card and then drag the bin file of the firmware onto the SD cards folder.
4. Once the firmware bin file has been dragged into the SD card, unplug the SD card from the computer, insert the SD card into the dashcam and power the dash cam on, it will automatically begin flashing the firmware.

Contact Service Team

Need more information? Visit our website via www.mygekogear.com

Feel free to contact our service team at service@mygekogear.com if you have any additional questions.

Before Contacting a Service Team Member

Please back up all important data stored in the microSD card. The data in the microSD card may be deleted during repair.

The customer service team does not back up your data.

myGEKOgear is not responsible for any loss on data.