Owner's Manual

PG16S

AZDOME

Enjoy Your Smart Driving

CE FC **RoHS** Made in China

V1.0

• INDEX

▪» WARRANTY & CUSTOMER SUPPORT

We provide 12-Month of limited warranty for your product from the date of purchase to be free from defects in materials and craftsmanship.

For questions, support, or warranty claims, contact us at **service@azdome.hk** with you Order Number. If you can provide the photos or video to show your problem we will be appreciated.

IMPORTANT: Proof of original purchase (Online order receipt is also accepted) is required for any warranty service.

AZDOME can only provide after sales service for products purchased directly from AZDOME. If you have purchased from a different seller, please contact them directly for service or warranty issues.

✉	service@azdome.hk

Please scan the QR Code to get the online user manual.

▪» OUT OF THE BOX INSTRUCTIONS

Please read and understand warnings & safety instructions before operating.

①Make sure to always keep the camera plugged into power, because camera's adapts super capacitor, if no power supply dash cam can't power on.

②You will need to insert a memory card before you can start recording. Please insert only a brand name Class-10 or above higher speed Micro-SD card.

③Before first time use, you MUST format the memory card in the camera to prevent any errors and for smooth operation.

④Setting Date & Time: Please set the correct date, please refer to page EN-14

⬤» SPECIFICATION

Model	PG16S
Mic / Speaker	Built In
Photo Format	JPG
Video Format	MOV
Video Resolution	Front:1440P ; 1080P Rear: 1080P
Memory Card	Micro SD Class 10 or above
Car Inverter DC	5V/3.0A
Relative Humidity	10%-70%
Battery	Super-Capacitor
WiFi	No
GPS Track	Support, need to connect GPS Module
Loop Recording	Support
G-sensor	Support
Motion Detection	No
Parking Monitor	Support, need to connect 3-lead hard-wire kit

⬤» PACKING LIST

Mirror Dash cam

Rear Dash cam (6M cable)

GPS Module

4 Rubber Fasteners

5 x Cable Clips

Wire Trim Tool

USB Car Charger
(3.5M Cable)

User Manual

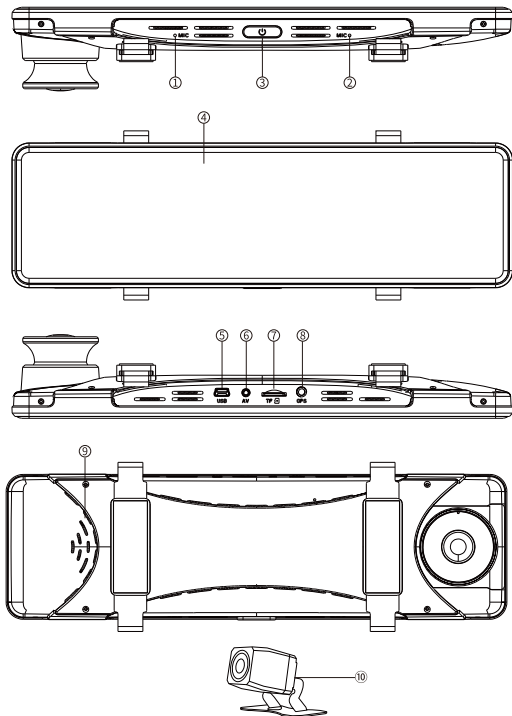Thank you Card

32GB Micro-SD Card

Cleaning Cloth

Anti-glare Screen Film

Dry Wet Cloth Pack

▸» PRODUCT DIAGRAM

#	Component	Description
1,2	Microphone	Records Audio
3	Power Key	-Long Press 3 seconds to turn off device. -Short Press once to turn on device. -Short Press to turn off/on screen when recording
4	Screen	Show the front and rear camera image
5	Mini USB Port	Connect to Mini USB cable & charge battery
6	Rear Cam Input	Connect to the Rear Camera
7	Micro SD Card Slot	Support Micro SD max to 64 GB, Class 10, U3 Speed
8	GPS	Check your route when you playback the videos Via AZDOME Player
9	Speaker	Built in Speaker
10	Reset	Press 'RESET' to reboot when device is Not Responding
11	Rear Camera	Records rear side

•» INSTALLATION

Install Micro SD Card

1.Make sure the dash cam is turned OFF.

2.Insert the Micro-SD Card half way in (GOLD Contacts - Facing the Back/Lens Side)

3.Now gently push the card in until it clicks & looks in place.

4.Must use only Brand Name, Class-10, U3 or higher speed Micro-SD Card.

Remove Micro SD Card

-To remove the Micro SD card, gently push its top edge inward until it clicks, and then pops out, then simply pull it out of the slot.

> MOST IMPORTANT about Memory CARD
>
> 1.Do not remove or insert Micro SD card when the camera is powered on which may damage the memory card.
>
> 2. You MUST Format the MEMORY Card in camera before first time use.

Front Camera Installation

1. Turn off the car' s engine.

2. Insert a Micro SD card into the Micro SD slot of the dash cam. (Note:please use an A-Brand high-speed class 10 or above Micro SD card)

3. Loop the rubber fasteners over the top fastener clips(There are 2 types of fasteners; please use which ever suits your car. The longer fasteners are for the bulky pre-installed rear view mirrors); Put the mirror dash cam in position on the front face of your existing rear view mirror ensuring the camera lens clears the edge of your rear view mirror. Loop the bottom rubber fasteners over the mirror and attached to the bottom fastener clip.

4. Plug the 12V DC charger into your vehicle's cigarette lighter adapter. Run the cable along your vehicles console and windscreen and plug it into the mirror dash cam port marked with the USB icon.

Rear Camera Installation

The rear camera equipped with a 6-meter cable is to connect to the dash-cam via AV IN port. Before installation, please check if the provided cable is long enough to reach the rear cam in your car. Please follow these steps for installation:

1.Turn off the car, select a flat and centered location near the number plate lamp at the rear of the vehicle to mount camera.

2.Attach tape to the bracket of the camera to hold the camera in position while installing, and drill two small holes, one for the first screw, the second to run the reverse camera cable through.

3.Use a screw driver to fix the first screw, leaving the screw loose enough to adjust the camera.

4.Insert the camera wire through the intended drilled hole check-ing the installation position.

5.Mark the position suitable for the second screw and drill a small hole for it.

6.Fix the second screw and securely tighten both screws

4.Connect the GPS module to the dash cam, tear off the sticker of GPS module and place GPS module to car dashboard. It will take 1-3 minutes to receive GPS signal successfully.

DO NOT plug the rear camera into the front camera while it is turned ON. Only do so when it is turned OFF.

Inside the license plate Connect live line of reverse light anode.

Inside the rear wind-Shields Connect live line of reverse light anode.

●» FORMATTING MEMORY CARD

Formatting the Micro-SD card will delete all information on the inserted Micro SD card.1.Touch ◉ to stop the Mirror DVR from recording.
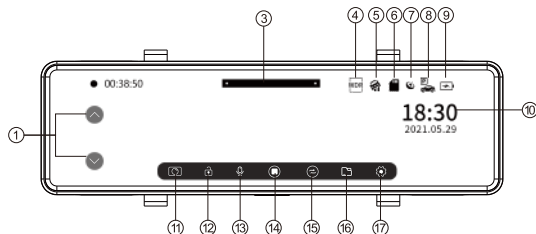
2.Touch ◉ the to enter the Settings Menu.

3.Touch "System" and slide the screen to touch "Format".

4.Touch "OK".

NOTE
1. Do not remove or insert Micro SD card when the camera is powered on which may damage the memory card.
2. You MUST Format the MEMORY Card in camera before first time use.

●» BUTTON FUNCTION

● 00:38:50

18:30
2021.05.29

#	Description	Feature
1	Adjust View Angle	Touch/tap ⊙⊙ to adjust view angle, can't work when dual camera display
2	Recording Timer	Shows the elapsed recording time
3	Screen Brightness Control	Touch/tap ☀ or △ sign to increase or decrease the screen brightness
4	WDR	Show the status of Wide Dynamic Range
5	G-sensor	Show the status of G-sensor
6	Micro SD Card	Show the status of Micro SD Card
7	GPS	Yellow: Receiving GPS signal successfully Red: Receiving GPS signal failed
8	Parking Monitor	Show the status of Parking Monitor
9	Battery Mode	Shows the status of Battery, if no power supply, device will turn off immediately
10	Date/Time	Shows the date and name of the day
11	Photo Shooting	Touch to take photos
12	Emergency Lock	Touch during recording to lock the current recording file
13	Audio	Touch to turn on/off audio recording.
14	Recording	Touch to turn on/off recording
15	Display Mode	Touch/tap to shift Front Camera/Rear Camera/Dual Camera Image
16	Playback	Touch/tap to open playback interface
17	System Setting	Touch/tap to open system setting

●» FUNCTION

General

G-Sensor — Off/ High/ Medium(Default)/ Off

G-Sensor is a 3-axis impact gravitational accelerometer which is designed to detect physical and gravitational forces on the camera. While Video is Being Recorded: In the event when G-Sensor is triggered due to physical or gravitational impact force on the camera, the current loop cycle length of video file will be locked so it will NOT be deleted by loop cycle function.

Screen Saver — 1(Default)/3/5 minutes/ Off

1/3/5 minutes: The dash cam LCD screen will turn off after 1/3/5 minutes, but still recording.
Off: The dash cam LCD screen will always on.

Beep Sound — Low/ Medium(Default)/ High/ Off

This feature allows you to turn ON/OFF camera button's beep sound & any voice confirmation.

Speed Unit — KM/H(Default), MPH

You can choose desired speed option stamp to be displayed.

Video Stamp — On(Default)/Off

This stamps menu allows you to choose your choice of stamps for the bottom of the video.
Date & Time, speed, GPS Coordinates, AZDOME Logo and model.

Timezone

From GMT -12, GMT0, GMT+12,

Date/Time Setting

To set the date & time, please do as below:
①Please connect GPS module.
②Set the GMT/UTC time-zone value first.
③Set the Date/Time: Year-Month-Day-Hour-Minute
The dash camera will set the date and time based on the GMT/UTC value selection when it receives the GPS signal automatically.

USA Time Zones	When Daylight Savings Ends Nov - March	When Daylight Savings Begins March - Nov
Hawaii	GMT (-10:00)	
Alaska	GMT (-9:00)	GMT (-8:00)
Pacific Time Zone	GMT (-8:00)	GMT (-7:00)
Mountain Time Zone	GMT (-7:00)	GMT (-6:00)
Central Time Zone	GMT (-6:00)	GMT (-5:00)
Eastern Time Zone	GMT (-5:00)	GMT (-4:00)

	British Summer Time	British Winter Time
UK Time Zones	GMT/UTC +1	GMT/UTC ±0

Go to https://www.timeanddate.com/time/map/ to find out your Correct GMT (Greenwich Mean Time) value

Frequency — 50HZ/ 60HZ(Default)

Here you should choose the frequency accordingly to your power supply specification used in your country based on your geographical location.
60 Hz (USA – North America)
50 Hz (Europe – Most Asian Countries)

Format Remind — Off/ 15/ 30(Default)/ 60 Days

This feature allows you to set a FORMAT REMINDER to format

your memory card. Once set, the camera will remind you to format your memory card at a set interval.

Parking Assistance Line — On(Default)/Off

On: The function is activated when the reverse gear is selected. The camera image is shown on the dash cam screen with assistance line.

Off:The function is activated when the reverse gear is selected. The camera image is shown on the dash cam screen but without assistance line.

Rear Video Mirror — On(Default)/ Off

On: The image on the dash cam screen matches that of your rear-view mirror.

1Frame Per 1Sec — On/Off(Default)

This menu will be shown when ONLY connected to 3-lead hard-wire kit.

Parking Monitor — On/Off(Default)

This menu will be shown when ONLY connected to 3-lead hard-wire kit.

This function can't work if connected car Cigarette lighter by USB charger.If you want to use 24-hours Parking Monitor, we suggest to connect 3-lead hard-wire Kit, please do as below.

①Set function "Parking Monitor" "1Frame Per 1Sec" to ON, "G-sensor" at medium, AZDOME 3-Lead Hard-wire Kit is installed properly.

②When you turn OFF the car's engine and turn the key to the lock position. Then the camera will STOP the continuous video recording and it will go into the 1Frame Per 1Sec recording mode automatically.

③While this 1Frame Per 1Sec is being recorded, If someone hits your car, then the camera will lock the 1Frame Per 1Sec recording, then saved in LOCK folder of Micro SD card > then go on 1Frame Per 1Sec recording.

④Now when you start your car for the next time, the camera will automatically STOP the 1Frame Per 1Sec. Then it will go into normal video mode automatically to start the continuous video recording.

Note: when playback the 1Frame Per 1Sec video files plays at faster speed.

Video Settings
Resolution — 1440P30(Default)/1080P30

Allow to choose the desired video resolution and fps(frames per second). Higher resolution and fps videos result in smoother videos, but also take more storage space. The video resolution is ONLY for FRONT camera recording.

Loop Recording — 1min/ 3mins(Default)/ 5mins

Allow the dash-cam to continuously record. Please notice: the dash-cam will keep deleting the oldest files automatically when memory card gets full so that it can keep recording over and over. Here select the length of video file for the loop recording.

Time-lapse Record — On/Off(Default)

Time Lapse recording mode allows you to capture specific images per second at a much lower rate. So when you combine and play those images at the normal 30fps rate, everything seems to be moving faster in time lapse.

WDR — On/Off(Default)

Wide Dynamic Range (WDR) improves the exposure by taking the combinations of over exposed and under exposed image into one robust wide range of lighting with higher depth image.

System Settings

Language — Multilingual, default English.

Allow to choose your desired language for dash-cam system.

Reset Settings

Here you can restore all the settings to factory default settings.

Version

Here you can check the current firmware version installed on your camera. You will need this information in the future to check if newer version of firmware is available. Please visit: http://www.azdome.hk/downloads.html for latest firmware upgrade instructions.

●» PLAYBACK RECORDED VIDEOS

There are 2 different way you can access your videos.

A. Directly On The CAMERA by entering to the PLAYBACK MODE You can do this by pressing 🗁 so It will enter to Playback Mode.

B. On Computer

1.Please remove the Micro SD card from camera and insert it directly in your laptop if you have a Micro SD Card slot (otherwise please using a Micro SD Card reader).

2.You should be able to see drive "D" or "E" or other name depending on the pre-installed hard drives.Once you find the added flash drive, double click in it, then you will see the file folders- Movie / LOCK / Photo

Movie：The loop recording video files that can be overwritten.
LOCK：The video file will be locked so it will NOT be deleted by loop recording function.
Photo：The pictures
3.Then simply double click on the video to play them.
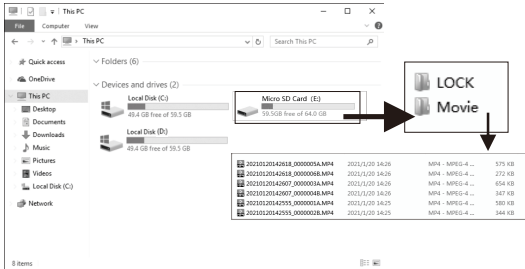
File named *********A=Front dash cam video file
File named *********B=Rear camera video file

GPS PLAYER SOFTWARE INSTALLATION (PC/MAC ONLY)

(Only suitable for the units with GPS module)
1. Go to our website www.azdome.hk/downloads to download the AZDOME Player (For Windows32bits/64bits or macOS)
2. Install the AZDOME Player in your laptop, photo as below;

3. The latitude and longitude and speed will be embedded in the video.AZDOME Tech Support : service@azdome.hk
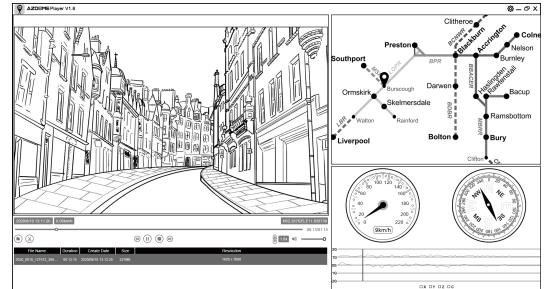
UPDATING FIRMWARE

The firmware will be updated regularly to introduce new functions and improve the general performance. When the camera doesn't respond to your operation and the resetting doesn't help, it's useful to update to the latest firmware. Please follow these steps to update the firmware:
1.Use a memory card and format it in your PC.
2.Download firmware in AZDOME official website www.azdome.hk/downloads.html
3.Save the downloaded firmware file (FW96565A.bin) to your SD card. Turn off the dash cam , insert the SD card into the dash cam.

4.Please power on the dash cam, the dash cam screen go black for about 40 seconds, then dash cam will power on automatically when the updating is successful.

5.Please format SD card in the dash cam.

●» FAQ

Q1:Why the rear cam image is converse on the screen?

According to your habit, please use the function called "Backup Cam Mirror Image" .

Q2:Poor image quality of rear cam

The most likely cause is simply a dirty lens. Since many cameras are mounted low on the back of the car, they're subject to being obscured by mud, snow, dirt or other debris. Luckily, the fix is easy: Clean the lens with a soft cloth (to prevent scratching the lens).

If still doesn't work, please e-mail to service@azdome.hk with order number.

Q3:Dash cam will be warm

Yep! A dash cam of this caliber is a pretty high-tech piece of equipment. When you think about it from an engineering perspective, capturing high quality full HD video takes a large amount of computer processing power. Heat is the by-product of all that data processing that is going on.

But not to worry. The case of the Dash cam itself is actually used as a heat-sink (notice the nice vents you see along the top and bottom of these models), so that's why you may notice it is warm or hot to the touch. Don't worry, this is normal, and your AZDOME is operating as designed.

Q4:My Video playback on PC is lagging.

You are viewing high-bit rate version of video files. General computer configuration may have problem with faster data processing. Please record videos at lower resolution and try again. Contact us if problem still exists.

Q5:Why dash cam can't get the GPS signal?

1.Check if the GPS icon goes green (it will take 3-5minutes to get GPS signal successfully)

2.Depending on the vehicle and the location of the GPS signal can be blocked due to strong radio interference of other electronic devices in the car, the cloudy/rainy weather or mountains, tunnels, tall buildings on both sides of road etc.

3.Please check if GPS works by taking the GPS Module from the car to outside. If it works then there must be a heavy interference in the car, for example thick car Explosion-proof

membrane, metal item and etc.

●≫ DISCLAIMER

AZDOME Streaming Mirror Dash Camera is designed to be use as a driver's assistant, it dose NOT remove the responsibility of driving the vehicle from the driver. The legal responsibility and safe driving practice always remains with the driver.

You agree to use this product and under-stand that this is to be use as aid only. We highly recommend that you have this product professionally installed to ensure that it will provide the function it is set out to perform. In case of you change your mind or return of this product, company is NOT responsible in anyway for the holes or installation modifications made to your vehicle.

●≫ WARNINGS

·Do not expose this product to rain, moisture or water under any circumstances or it will result in external or internal damage.

·Do not put the unit in a damp environment. This device is not designed to be damp proof.

Do not try to open the cover or try to repair it yourself. If the accessories for t his device have any problem, please contact the seller for assistance.

·Do not expose this device to an excessive heat, dust or use any chemical substance or cleaning solvent to clean this device.

·Do not operate or install the camera while driving, or attempt to change any setting etc. Pull off the road first and only do so when it is safe.

·Do not drop, puncture or disassemble this product or dispose it on fire. It contains Battery and can explode if improperly handled.

·Do not use the charger if the cord is broken or damaged. Keep out of reach of children.

·Do not leave the camera in the direct sunlight for a long period of time or where temperature could go above 140°F (60°C).

·Removing the camera from the vehicle when not in use is recommended. This pre vents likelihood of theft or exposure to excessive heat to prevent damage to unit.