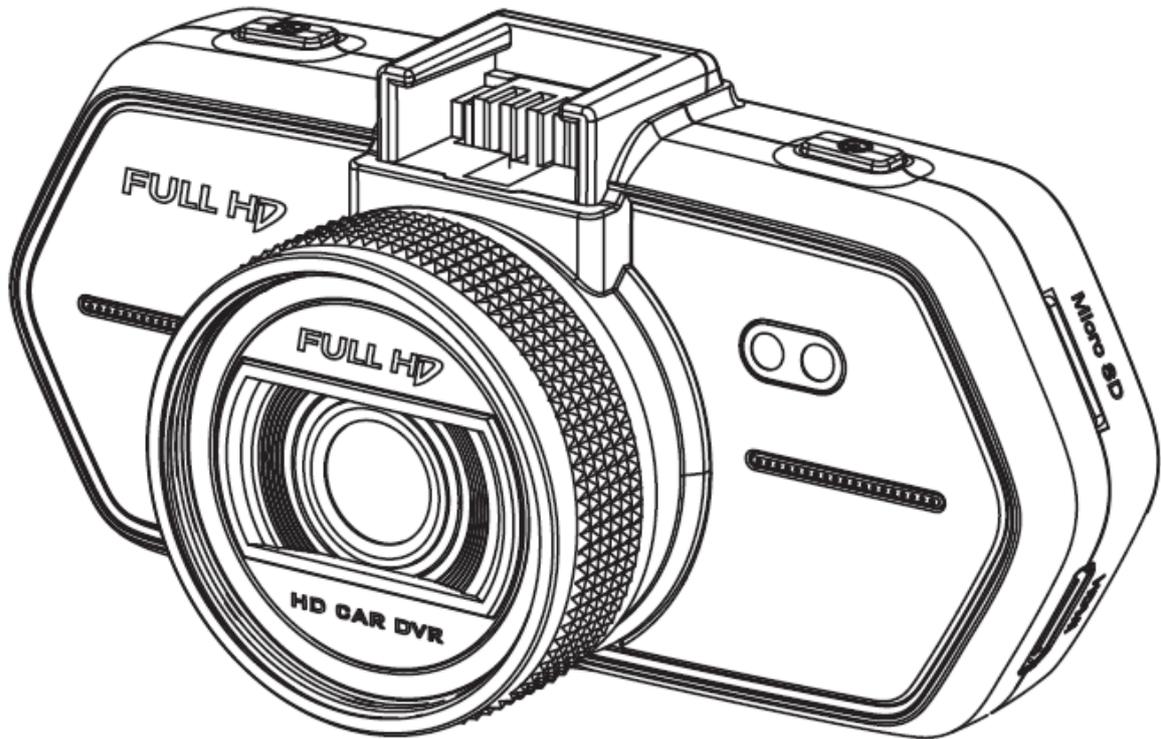


electric



SUPER HD DASH CAMERA

702A7CAM

702A7GCAM

2K Super HD

Micro SD

GPS Logger (702A7GCAM Only)

User Manual

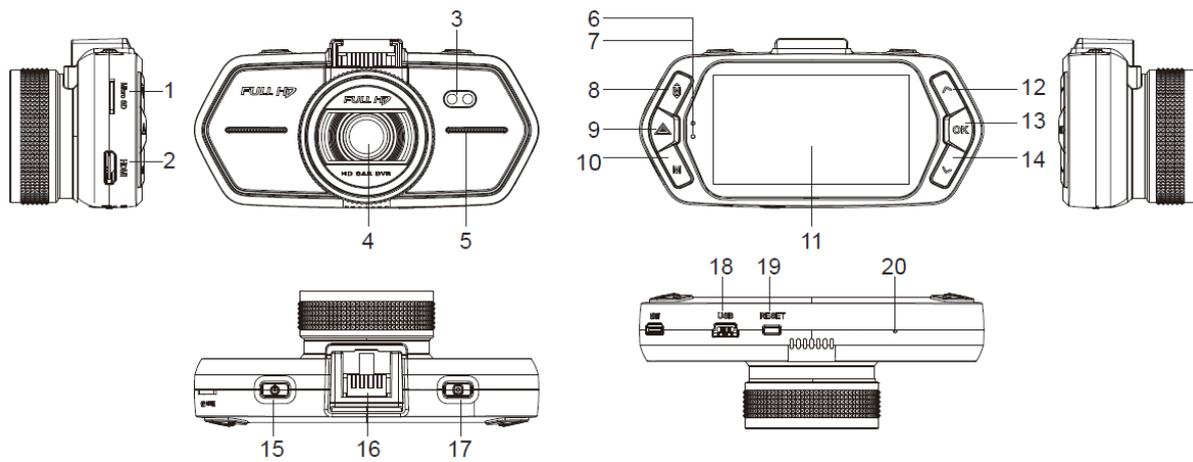
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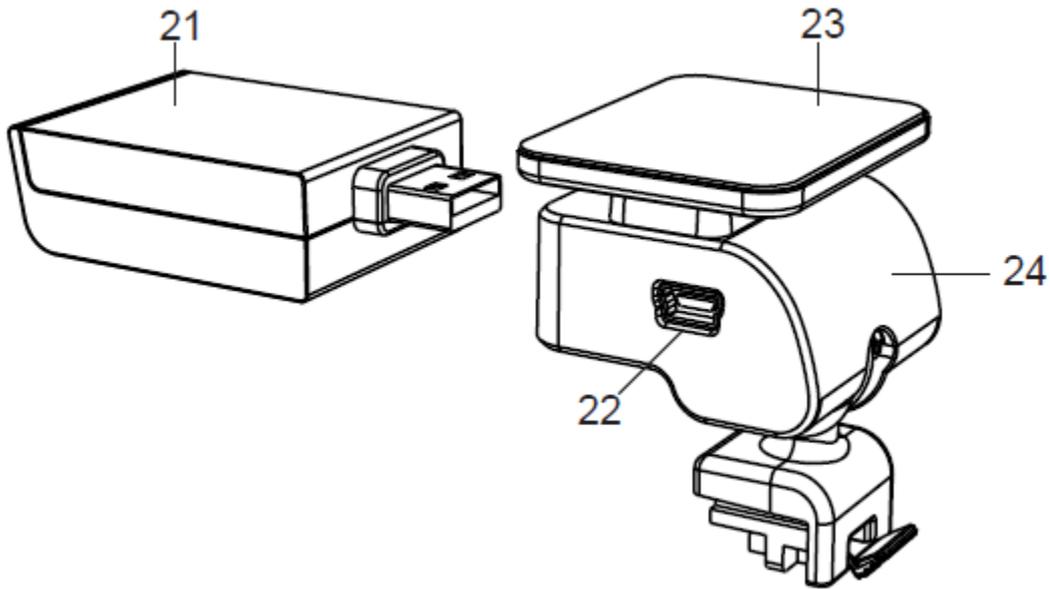
QUICK START GUIDE

Connect the camera to the camera mount by sliding the two parts together until they click into place. Mount the camera in the desired location in the vehicle. Connect the power supply cable to a 12V outlet in your vehicle and to the camera mount USB port. The camera will power on and start recording video automatically. To stop video recording press the OK button. To restart recording, press the OK button.

PRODUCT OVERVIEW



1. Micro SD Card Slot	2. HDMI Port	3. LED Light
4. Lens	5. Speaker	6. Status Light (Blue)
7. Charging Light (Red)	8. Menu Button	9. File Protection Button
10. Mode Button	11. LCD Display	12. Up Button
13. OK Button	14. Down Button	15. Power Button
16. Holder Connector	17. Photo Button	18. USB Port
19. Reset Button	20. Microphone	



21. GPS/ Radar Detector Module
22. USB Port
23. Sticker/Suction Mount attachment
24. Camera Holder

Accessories:

Car Charger x1	Sticker x1	Suction cup x1	USB cable x1
GPS Module x1 (702A7GCAM only)		CPL Lens	

BUTTON FUNCTIONS

Power Button – Press this button for 2-3 seconds to turn on/off the device. Power will only come on if the camera is connected to a power source.

Camera Button – In video mode, pressing the camera button will capture a still image.

Reset Button – Should the system crash for any reason, press the reset button to reset the device.

Menu Button – Pressing the menu button will access all the menus for the camera. If this is pressed whilst the camera is recording the flash status will be changed between "A", "f", "o" (Autoflash, forced flash, no flash). Stop the recording to access the menus.

File Protection Button – In video mode, when the device is recording, press this button to set the video recording to be protected manually. This will stop it from being overwritten by loop recording.

In playback mode, press this button to lock or unlock the video/picture file.

When file protection is active, the  will appear on the LCD display.

Mode Button – The camera only has 2 modes, video and playback mode. Pressing this button during standby will switch between playback and video mode. If this is pressed whilst the camera is recording nothing will happen.

Up Button – In video and standby mode, pressing this button will turn on/off the LCD display.

In the menu screen pressing this button will navigate upwards

In playback mode pressing this button will choose the previous file.

When playing a video in playback mode pressing this button will rewind the video

OK Button – In video mode pressing this button will start/stop video recording.

In playback mode pressing this button will play/pause a video file.

In menu pressing this button will confirm the selection.

Down Button – In vide mode pressing this button will turn on/off the sound recording function.

In menu pressing this button will navigate downwards.

In playback mode pressing this button will chose the next file.

When playing a video in playback mode pressing this button will fast forwards the video.

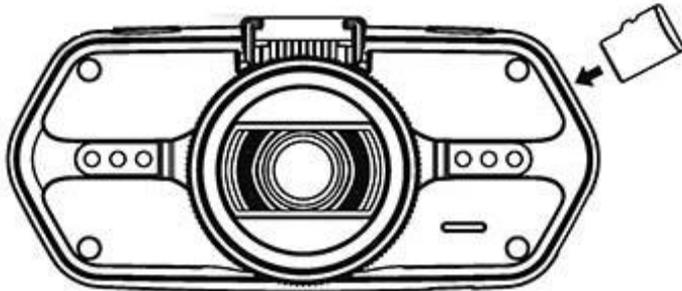
LED STATUS LIGHTS

LED Light	Status	Meaning
Status Light (Blue)	Flashing	Video is recording
	On	Camera is in standby or playback mode
	Off	Device is off
Charging Light (Red)	On	Battery charging
	Off	Charging complete

OPERATION

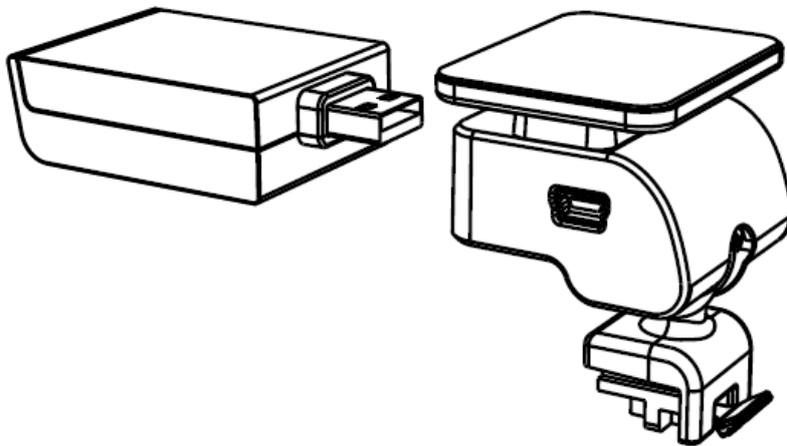
Micro SD Card Installation

Install the Micro SD card as shown below:



GPS Module Installation (702A7GCAM only)

Insert the GPS module into the camera holder as shown below:



Install the device on the windscreen using the sticker or sucker.

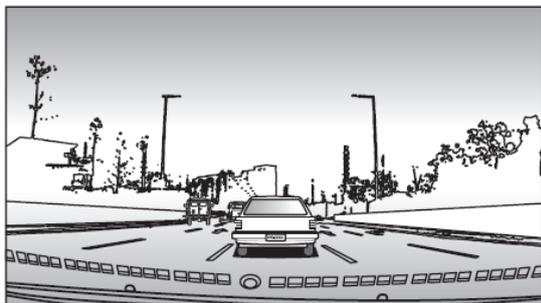
When the power is on, the device will automatically search and find GPS signal where available.

When the unit has found a GPS signal the GPS icon  will be shown on the camera display.

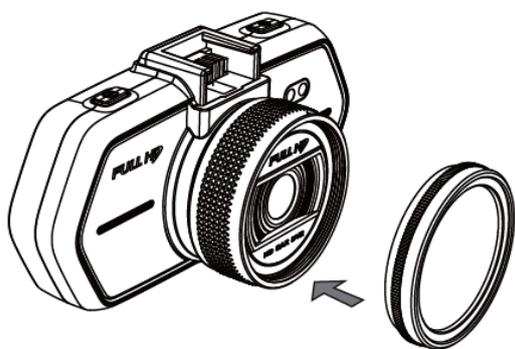
CPL Installation (Optional)

CPL: Circular-Polarizing Filters can reduce the reflection from the inside of the car window

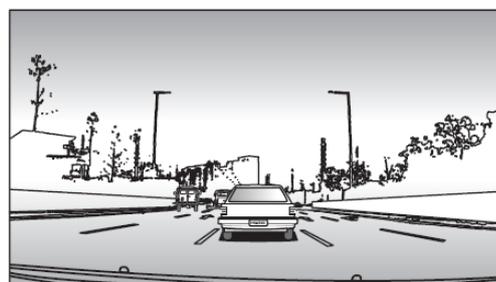
Without CPL



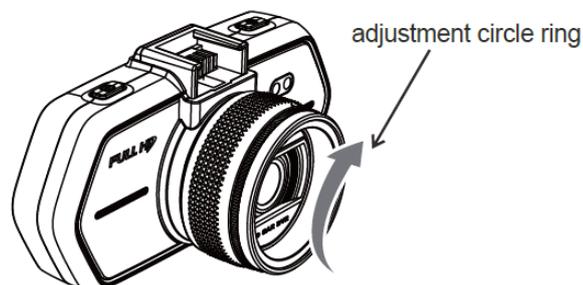
Install the CPL onto the device by screwing on to bezel.



With CPL



With the CPL in place, rotate the ring to achieve the best effect from the polarization through the windscreen.



Power Connection

Connect the USB charger to the USB port (21) on the camera holder. Connect the other end to the 12V outlet (e.g. cigarette lighter) in your vehicle. The camera will power on automatically once the 12V outlet is turned on.

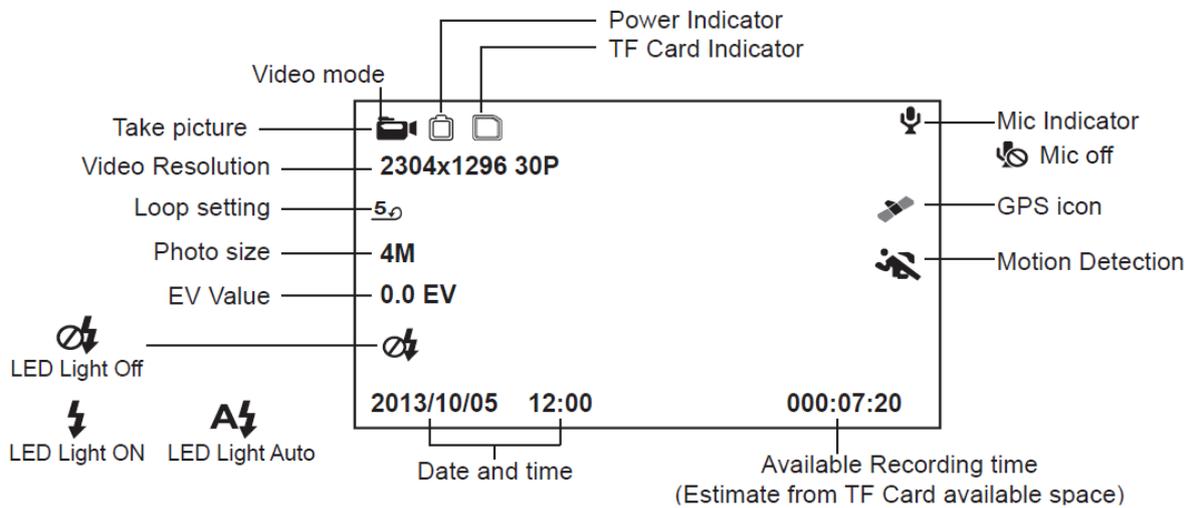
Note: There are 2 Mini USB ports on the device. One on the camera holder and one on the camera. If you connect the power to the one on the camera, only the camera will be powered. If you connect the power to the one on the camera holder, both the camera and GPS module will be powered.

G-Sensor Function

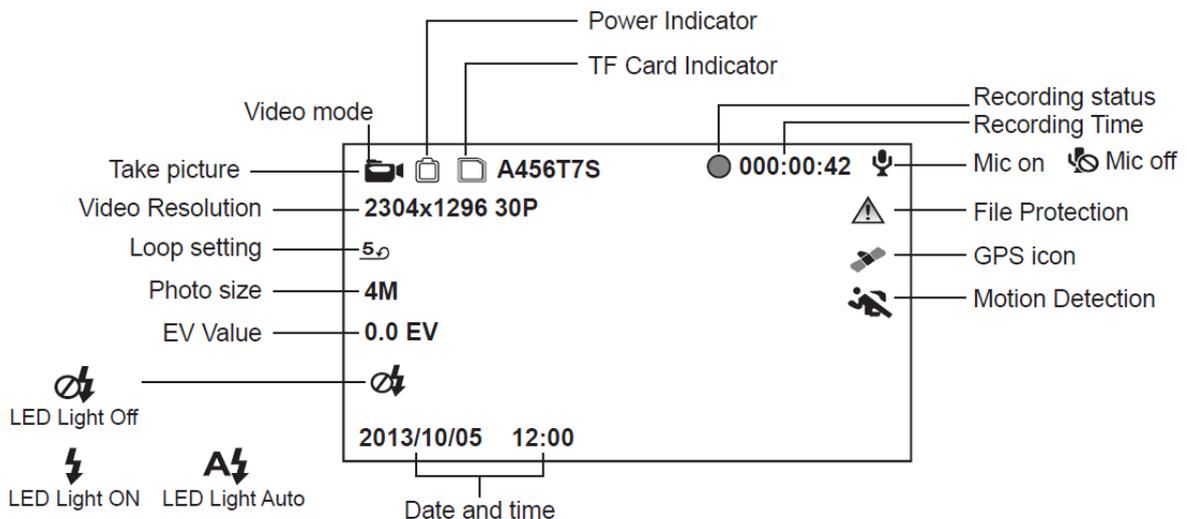
In the event of a collision the Gravity Sensor (G Sensor) will record the direction and data associated with that collision. The sensitivity of the G Sensor can be set to activate the protection function for the current video file. This will stop the file being over written in the event of a collision. The sensitivity can be altered in the settings menu, the higher the value the more sensitive the G Sensor will be.

Video Mode

When the device is powered on it will default to recording mode and the screen will display as below:



When the camera is recording the screen will display as below:



Still Picture

To capture a still picture, press the Camera Button (14). In video mode this will take a picture of the current view from the camera. In playback mode this will take a snapshot of the current frame on the video.

MENU SETTINGS

Pressing the Menu button (6) once will bring up the Video Mode Menu.

Navigate the menu by pressing the Up (11) & Down (13) buttons. Make a selection by pressing the OK (12) button.

The following settings can be selected and changed:

Item	Options	Remark
Video Resolution	2560x1080 30p 21:9 2304x1296 30p 16:9 1920x1080 45p 16:9 1920x1080 30p 16:9 HDR 1920x1080 30p 16:9 1280x720 60p 16:9 1280x720 30p 16:9	The higher the resolution the better quality the video but the recording time on your Micro SD card will be reduced. The higher the frame rate the smoother the video will look (60p>30p)
Loop Setting	Off 1 Minutes 3 Minutes 5 Minutes 10 Minutes	The length of a file created before it is recorded over.
Photo Size	13M (4800x2700 16:9) 9M (4000x2250 16:9) 4M (2688x1512 16:9)	The higher the resolution the better quality the picture will be but it will use up more space on your Micro SD card.
Photo Quality	Highest Good Normal	The higher the quality the better quality the picture will be but it will use up more space on your Micro SD card.
Record Audio	Off On	Turn on or off the built in microphone.

Motion Detection	Off Low Middle High	The higher the setting the more sensitive the motion detection will be.
Sensor Flip	Off On	Rotate the image display if the camera is to be used upside down.
LDWS	Off On	Turn on or off the Lane Departure Warning system.
LDWS Calibration	Move the red line using the up and down keys to match the horizon to match the view on the screen. Press OK and then move the green line to match the front of your vehicle on the screen. Press OK again to return to menu.	Lane departure will display message if you drift from your lane whilst driving.
Flicker	Auto 60Hz 50Hz	Choose the camera frequency best suited to your region. 50Hz will generally work best for UK. Auto will chose the best automatically.
ISO	Auto 100 200 400 800 1600 3200	Auto will adjust the ISO setting to best suit the surroundings. If you need to manually change the ISO setting, chose the relevant figure from the options.
White Balance	Auto Sunny Cloudy Tungsten Fluorescent	Under normal conditions Auto will adjust the white balance accordingly. If you need to alter this, select the relevant

		option to your conditions.
Contrast	Standard High Low	Increase or decrease the contrast as required.
Sharpness	Standard High Low	Increase or decrease the sharpness.
EV	+2.0 +1.7 +1.3 +1.0 +0.7 +0.3 +0.0 -0.3 -0.7 -1.0 -1.3 -1.7 -2.0	The higher the exposure the brighter the image will be, the lower it is the darker it will be. Start at +0.0 and adjust as required to the conditions you are recording in.
Video Quality	Highest Good Normal	Increase or decrease the video quality.

Pressing the Menu button (6) again will bring up the Setup Menu. Navigate the menu by pressing the Up (11) & Down (13) buttons. Make a selection by pressing the OK (12) button.

The following settings can be selected and changed:

Item	Options	Remark
Power On Delay	Off 10 Seconds 20 Seconds 30 Seconds	Delay the point that the camera turns on once it receives power.
Power Off Delay	Off 10 Seconds 20 Seconds 30 seconds	Delay the point that the camera turns off once it stops receiving power.
Auto Power Off	Off 1 Minute 3 Minutes 5 Minutes	When the camera isn't recording it will turn itself off after the selected time period.
LCD Screen Savers	OFF Speedometer: 1Min Speedometer: 3Min Speedometer: 5Min Power Off Screen: 1Min Power Off Screen: 3Min Power Off Screen: 5Min	Select the time point that the screen powers off whilst the camera is running. Speedometer will show your speed and compass direction of travel.
Time Setup	+01 (time zone) 2016 (year) 12 (month) 30 (day) 12 (hour) 59 (minute) 45 (seconds)	Press the up or down arrow to navigate numbers. Press OK to select and move to next. Press Menu button to return to menu.
Display Time	Off Date Time Date/Time	Select the format you would like to display on your videos
Auto Power Off	Off 1 Minute 3 Minutes	When the camera isn't recording it will turn

	5 Minutes	itself off after the selected time period.
Beep Sound	Off On	Turn on or off the beeps when keys are pressed.
GPS Stamp	ON OFF	Select to include the GPS stamp on the video or not.
Velocity Stamp	ON OFF	Select to include the speed stamp on the video or not.
Driver Name Stamp	ON OFF	Select whether to include the driver name on the video or not
Driver Name	A B C D 1 2 3 4 5	Press the up or down arrow to navigate alphabet and numbers. Press OK to select character and move to next.
G-Sensor Sensitive	Close 2G 2.5G 3G 3.5G 4G 4.5G	Select the G force required to set off the G-sensor (The higher the number the less sensitive it will be). When this value is triggered the file recording will be protected.
Key Light	Auto Open Close	Select whether the buttons are illuminated or not. Auto will illuminate in low light and turn off in daylight.
Beep Sound	On Off	Turn on or off the beeps when keys are pressed.

Choose Card	Outer Card Inner Card	Choose whether to record to internal memory or external Micro SD Card.
Language	English Mandarin Cantonese Russian	Select your desired language.
Default Setting	No YES	Selecting Yes will return the camera to its default settings. Select No to avoid resetting.
Format	No Yes	Selecting Yes will format the memory card and all recordings will be lost. Select No to avoid formatting.
Software Version	CR700_A7_V2.3_20150811Q	Displays the software version currently installed.

Press the Menu button again to return to Video Mode.

Playback menu – In playback mode, press the menu button

Item	Options	Remark
Back to previous level		Pressing OK will return you to playback mode
File Protect Operation	Protect Current File Protect All files Unprotect Current File Unprotect All files	Select the required level of protection for files.
Auto Play	Video Play One Video Play All Video Repeat One Video Repeat All	Chose playback options for videos
Delete File	Cancel Delete This File Delete All Files	Delete single or all files. Select cancel to avoid deleting any files.

Copy File To Another Card	Yes No	This allows you to copy selected file from one memory card to another. If you have selected to record to External card then files will be copied to the internal memory and vice versa.
Format	Yes No	Format the memory card by selecting yes. Select No to avoid formatting.
Choose Card	Outer Card Inner Card	Select Card to view files from.

CONNECTION

Connect to TV

The device can connect to any screen with an HDMI connection.

1. Insert the Micro SD card to the device
2. Connect HDMI cable to the video playback equipment (TV or monitor) and device.
3. Power on the device.
4. Select the HDMI input on the video equipment.
5. Select the videos/photos to display from the playback menu.

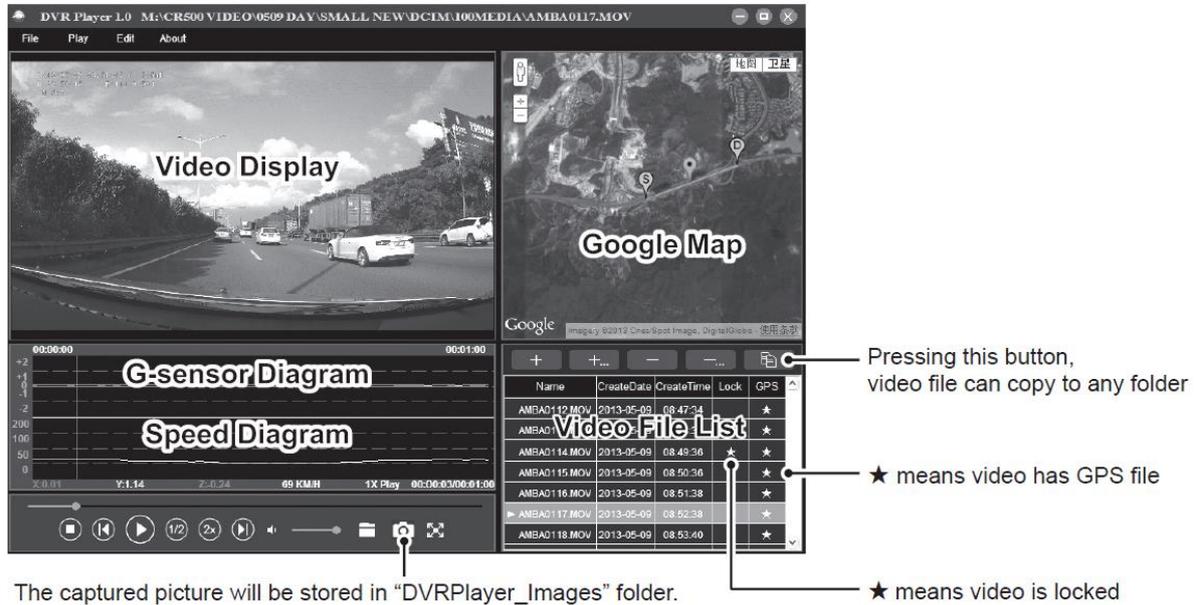
Note: When you connect the camera to a TV or monitor, its LCD screen will automatically shut off.

Connect to Computer

1. Insert Micro SD card to the device
2. Connect USB cable to device and computer. "USB connection" will be shown on screen and removable disk will be shown on computer
3. Open the removable disk and pictures and video files will be present.

DVR PLAYER

When you open the Micro SD card on your computer the DVR player will be installed on it. The DVR player will be displayed as below:



Note: Before using the player, please install Apple QuickTime, Microsoft DirectX 9.0C and IE7.0 or higher.

PRODUCT SPECIFICATION

Chipset	Ambarella A7LA50	
Camera	Resolution	1/3" 4.0 Mega CMOS Sensor, OV4689, good night vision performance
	Lens	F/NO=2.0, 110° Horizon Angle in 1080P
Video	Standard	Mov File, H.264 Compression
	Resolution	2560x1080@30fps / 2304x1296@30fps / 1920x1080@45fps / 1920x1080@30fps / 1280x720@60fps / 1280x720@30fps
Audio	Built-in Microphone	
Still Image	13M (4800x2700 16:9) / 9M (4000x2250 16:9) / 4M (2688x1512 16:9)	
LCD	2.7 inch 16:9 LCD Display	
GPS Logger (500GCAM only)	Modulization GPS Logger GPS Logger for path, position, speed and time record. Replay path, position information on Google Map	
G-Sensor	When encountering high impact, the device will automatically protect the latest files so they are not deleted.	
Micro SD Card Slot	Supports up to 32GB Micro SD Card	

Filter Lens		CPL: Circular-Polarising Filter, can reduce the reflection from inside the car on the car window.
Interface	USB	USB 2.0
	HDMI	HDMI
Battery		Built-in 250mAh Battery
Power		12-24V Car Charger
Colour		Black
Size		103x51x41mm

APPENDIX



Disposal: Do not dispose this product as unsorted municipal waste. Collection of such waste must be handled separately as special treatment is necessary.

Recycling facilities are now available for all customers at which you can deposit your old electrical products. Customers will be able to take any old electrical equipment to participating sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your equipment. Please contact the local council for details of your local household waste recycling centres.

www.ElectriQ.co.uk/support

If the unit fails to operate call: 0871 620 1057 or complete the online form

Office hours: 9AM - 5PM Monday to Friday

www.ElectriQ.co.uk

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