



Full HD (1080P) Vehicle Accident Camera

**SVC1080**

**User Guide**

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**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



DO NOT REMOVE THE COVER

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



At 1080P resolution recording, the camera will not create separate event files. Please back up your files regularly, as data might be overwritten.



Connect your vehicle's power cable (Cigarette Jack) to the product after starting the vehicle to avoid damage.



Install the product where it does not block the driver's view of the road. Please refer to the installation section in the user manual for a full guide on where to install product.



Damages caused by production malfunction, loss of data or other damages that may occur while using this product is not the responsibility of the manufacturer. When malfunction occurs, the product may not save all videos and the sensor may not recognise shock impacts.

**WARNING:**

DO NOT EXPOSE PRODUCT TO RAIN OR MOISTURE

# GPS RECEPTION

## **1. Activate the product in an area without large buildings to improve GPS reception.**

For commercial purposes GPS has an average range error of more than 15 meters and the range error could be more than 100 meters depending on environmental conditions like buildings and roadside trees etc.

## **2. The temperature range for optimum operation of the GPS receiver in your car is -10 ~ 50°C.**

## **3. When using the product for the first time or after a long period (more than three days), it may take a little longer to recognise your current location.**

It may take between five and thirty minutes to get GPS reception.

**GPS reception may be impaired under the following circumstances:**

- 1) If there is an object at the end of the GPS antenna.
- 2) If your vehicle has metallic elements on the windshield.
- 3) If equipment generating electromagnetic waves that interfere with the GPS signal are installed in the vehicle e.g. other GPS devices including certain types of wireless activated alarms, MP3 and CD players and camera alarms using GPS.
- 4) If you are using a receiver connected by a cable, electrical interference can be avoided by simply changing the location of the receiver (antenna).
- 5) On heavily overcast or cloudy days, if the vehicle is in a covered location such as under a bridge or raised roadway, in a tunnel, an underground roadway or parking area, inside a building or surrounded by high-rise buildings.
- 6) If GPS signal reception is poor, it may take longer to locate your current position when the vehicle is moving than when it is stationary.

# 1. OVERVIEW

The SVC1080 is a 1080P Full HD vehicle accident camera with a 2.4" LCD Monitor for live viewing, playback and setup. In addition, the camera features an integrated 3 axis G-sensor and integrated GPS receiver.

This evidence can protect a driver from many of the issues faced on the roads today:

- Cash for Crash / Pre-meditated staged accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Driving Offence Allegations (Speed Cameras, Traffic Signal Violations etc...)

## **Features:**

- Full HD 2M Pixel CMOS Image Sensor
- Wide Angle Lens: 170°
- 1080P Full HD (1920x1080) with 30fps recording
- 2.4" LCD Display
- Backup Power: Li-Po Battery (30 min) and super capacitor
- Internal GPS and 3-axis accelerometer
- Audio Recording
- Internal Microphone and Speaker
- Audio/Video output
- Micro SD (Supports 4GB-32GB). Recommended Class 10.

## Front



**Lens**  
170° Wide Angle Lens

**Speaker**

## Side



**Power Input**  
5V DC

**Micro SD Card**

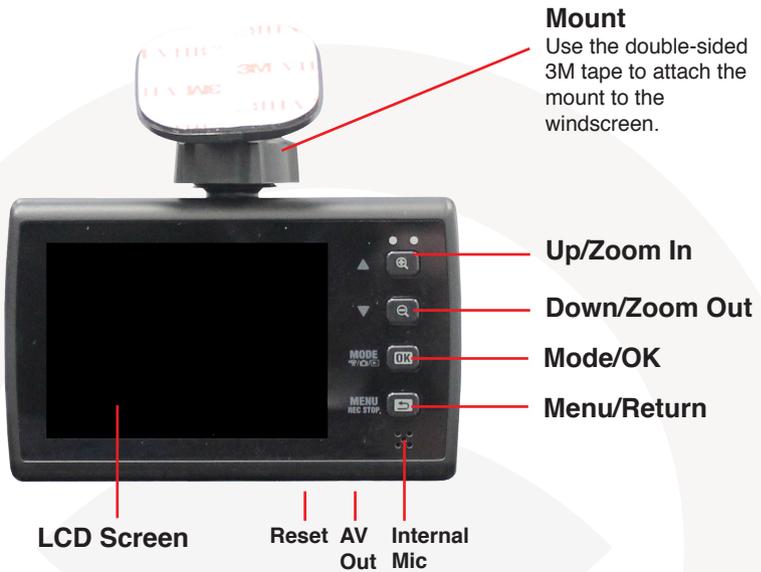
**Power Button**

**Record Button**

### **Please Note**

Before inserting the Micro SD card, you will need to initialise the card using the Smart Witness software. Please refer to page 28 for details on how to do this.

## Rear



### PLEASE NOTE

Pressing the reset button on the bottom of the SVC1080 will reboot the unit, but the configurations will remain the same. To reset the configuration, use the reset menu. The SVC1080 can be restored to its factory default settings by selecting the factory default option and then restarting the unit.

## Contents



1x SVC1080 Vehicle Journey Recorder



1x 4GB Micro SD Memory Card



1x 3m Mounting Bracket



1x Cigarette Lighter Adapter



1x User Manual

## 2. INSTALLATION

### STEP BY STEP



1. Peel off the reverse 3M pad and attach included bracket to the unit.



2. Position Camera at the front of the car. Secure to windscreen by applying a small amount of pressure and holding for 15-30 seconds.



3. Insert Micro SD Card into unit. Please take care to have the it the correct way round.



4. Plug into Cigarette Lighter Socket

## 3. BASIC OPERATION

### Automatic Start

The SVC1080 will automatically start when power is supplied. If the cigarette lighter plug is connected the unit will power up automatically when the vehicle ignition is turned on.

### Language Selection

After the unit has been powered, follow the on screen instructions to set the language using the arrow buttons and then confirm the language selection by pressing the 'OK' button.

### Timezone Setting

To set your timezone, use the arrow keys to select the correct one and press 'OK' to confirm.

**PLEASE NOTE**

The SVC1080 will start recording immediately after the timezone has been set.

### Automatic Booting

The SVC1080 will automatically start the boot-up process when power is supplied and will start recording immediately after. The unit will take up to 15 seconds to boot.

**PLEASE NOTE**

The default setting for record is 'normal' (Continuous) at 30fps, 720P resolution. This setting allows for separate event and panic recordings. On this setting the SD card storage may be used up quicker and, depending on the settings, overwrite or stop recording when full. To avoid losing valuable data, back up data to a separate storage or PC/Mac device after any incidents.

## Recording Modes

### Normal (Continuous)

This is the default and main mode for recording. In this setting the unit will begin recording after boot up and record the entire time the unit is powered.

The resolution and frame rates can be set as per your requirements. You can change the configuration of the recording using the SVC1080 Software (Supplied). To do this, please see the 'Settings' section on page 42.

### Event (Shock and Panic)

When set to event recording the unit will record when triggered by either an impact or a push of the 'Rec' button. In such events, 15 seconds of pre and post events will be stored separately on the micro SD card under the 'gsnr' and 'recsw' folders respectively. A total of 10 events can be stored in each folder and will be overwritten or not recorded when the SD card is full depending on settings.

**A.** Shock triggered videos and data will be recorded automatically when the G-sensor senses a change in G-force of more than the set limit.

This parameter can be set through the 'Settings' section on the software (See page 41).

**B.** Panic videos and data will be recorded when the 'REC' button has been pushed.

### PLEASE NOTE

When recording at 30fps, (1080P HD) resolution, separate event files (Shock and Panic) will not be stored. If you wish to keep separate event files, change the settings to a lower resolution or frame rate.

For example, 1080P @ 10fps or 720P @ 30fps

## LCD Display

You can turn the LCD display on or off during recording. To turn the screen on or off, press the 'OK' button.

You can also set the LCD to turn off after 10 seconds by setting the 'LCD Auto' to on-either through the 'Settings' (Page 42) or go to 'Video Settings' on the device (Page 19).

## Modes

The SVC1080 has 3 modes; Video, Photo and Playback. The modes can be changed by pressing the 'OK' button while on standby.

**Video Mode** - Press 'Rec' to start recording and 'Menu' to stop.

**Photo Mode** - Press 'Rec' to take photos.

**Playback Mode** - Press the 'Menu' button to enter Playback settings and folder change. Use the arrow buttons to change folders and to change files. During video playback, press 'Rec' button to play, 'Menu' button to stop and use the arrow buttons to fast forward or rewind.

## Settings

The SVC1080 has 4 settings; General, Video, Photo and Playback. The general settings can be accessed in any mode by pressing the 'Menu' button and the other mode settings can be accessed by pressing the 'Menu' button when in their respective modes.

To navigate in the menus, press the arrow buttons to move between options, press 'OK' to select an option and press 'Menu' to deselect and return to a previous menu.

To enter into the video settings, recording will have to be stopped.

## Battery

The SVC1080 comes with a built-in lithium polymer battery that can be turned on for 15-30 minutes without the need for external power.

## Delayed Shutdown

You can choose to continue recording during quick stopovers by turning the delayed shutdown function on. When activated, the SVC1080 will continue recording for a maximum of 5 minutes, depending on the battery life, after external power is cut off.

## Parking Mode

You can use the SVC1080 even when your vehicle is parked. For this function, you will need to use a permanent power source that will not disconnect when the ignition is turned off.

To turn this function on, go to 'Device Settings' and turn it on using the arrow buttons and press 'OK' to confirm.

When in parking mode, if your vehicle is parked for more than 5 minutes, the SVC1080 will start to record. Recording will be at 1fps and the red LED will blink. When the vehicle starts moving again, the recording will return to its original setting.

## Firmware Upgrade

To perform a firmware upgrade on the SVC1080, please follow the steps below;

1. Turn off the SVC1080.
2. Download the latest firmware from our website [www.smartwitness.com](http://www.smartwitness.com)
3. Take out the micro SD card from the unit and insert it into your computer using the micro SD Card reader.
4. Access the card and create a folder called 'Program'
5. Copy the firmware file (SVC1080\_1.0.0.bin) into the 'Program' folder
6. Take out the SD Card and re-insert into the SVC1080.
7. Turn the SVC1080 on.
8. The 2 LEDs will blink while upgrading.
9. After the upgrade, the unit will automatically reboot.

### PLEASE NOTE

Please do not cut the power during the upgrade as this will seriously damage the unit. Leave the unit powered until the upgrade has been completed.

## 4. OSD MENU

The SVC1080 allows you to adjust some of the settings on the recorder through an on-screen menu as well as through the software.

There are 3 menus available for the 3 modes, as well as a general settings menu. To access the menus, press the 'Mode' button until you are in the mode you wish to adjust and then press the 'Menu' button. When presented with the menus, use the arrow keys to toggle between 'General' and 'mode' menu and press the 'Mode/OK' button to enter.

To exit the menu or go back to a previous menu, press the 'Menu' button.

### General Settings

The general settings menu allows you to adjust settings on the camera such as button tones, date/time format etc.

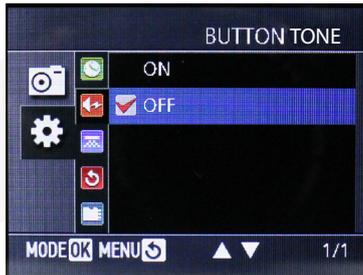
#### Date/Time

This option allows you to adjust the time and date on the unit. Use the arrow keys to adjust the digits and 'OK' to confirm each digit selected.



## Button Tone

Turn the button tones on the machine on or off.



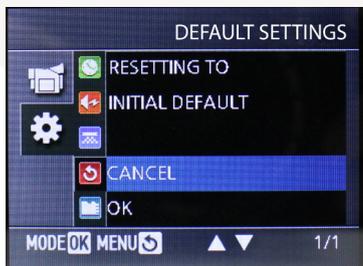
## Scene Type

This option allows you to set the scene type on the recorder. Choose between outdoor, indoor (50Hz) or indoor (60Hz).



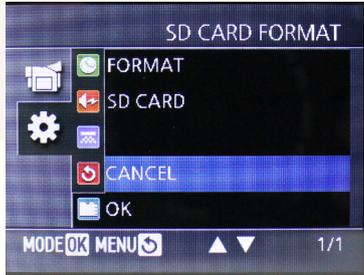
## Default Settings

Reset the recorder to factory default settings, use the arrow key to either select 'OK' or 'Cancel'. Before selecting 'OK' please make sure you have backed up any files you wish to keep.



## SD Card Format

This option allows you to format your micro SD card on the SVC1080 rather than going through the software on your PC. Before selecting 'OK' please make sure you have backed up any files you wish to keep as the micro SD card will be wiped clean.



## Language

Set the language on the OSD for the recorder. Choose from 4 languages; English, Chinese, Russian or Spanish.



## Date/Time Format

This option allows you to view the Date/Time format on the recorder. To adjust the format, please go to the 'Settings' section on page 42.



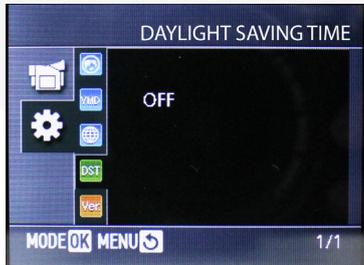
## Time Zone

This option allows you to view the selected timezone on the recorder.



## Daylight Saving Time

Click here to see whether the daylight saving time has been enabled. To adjust this option, please go to the 'Settings-Date/Time Format' section on page 42.



## Firmware Version

This option allows you to view the firmware settings on the recorder to see if you have the latest firmware installed.



## Video Settings

### Resolution

Set the resolution of the video recordings. Choose between the following resolutions;

- VGA (640x480)
- 720P (1280x720)
- HD (1440x1080)
- 1080P Full HD (1920x1080)

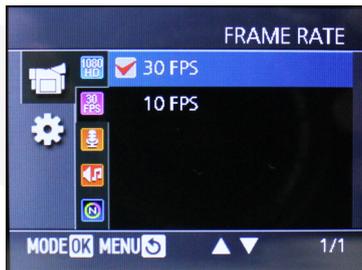


### PLEASE NOTE

The higher the resolution, the more space it will take up on your micro SD Card, refer to page 46.

### Frame Rate

This option allows you to adjust the frame rate for the recordings. Choose between 30fps or 10fps.



### PLEASE NOTE

The higher the frame rate, the more space it will take up on your micro SD Card. However, the image quality will be higher, refer to page 46.

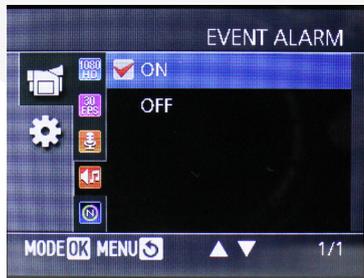
## Voice Record

The voice record option allows you to enable audio recording on the SVC1080.



## Event Alarm

The event alarm option allows you to turn on an alarm on the recorder when the shock sensor is activated or a when the SVC1080 starts recording.



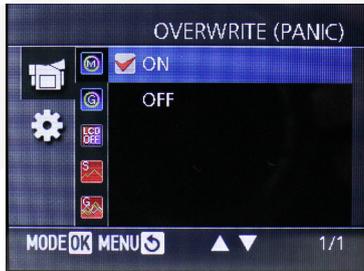
## Overwrite (Cont)

The overwrite options allows you to set recordings to be overwritten when the micro SD card is full. The SVC1080 will automatically delete the oldest files. Here you can choose to overwrite the continuous recorded files.



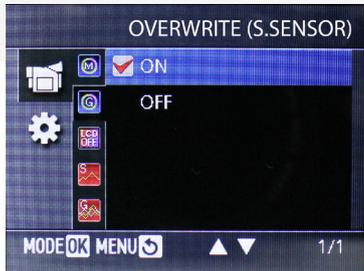
## Overwrite (Panic)

The overwrite options allows you to set recordings to be overwritten when the micro SD card is full. The SVC1080 will automatically delete the oldest files. Here you can overwrite the sensor recorded files.



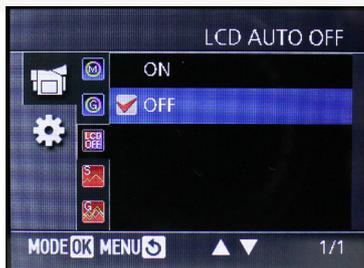
## Overwrite (S.Sensor)

The overwrite options allows you to set recordings to be overwritten when the SD card is full. The recorder will automatically delete the oldest files. Here you can overwrite the panic recorded files.



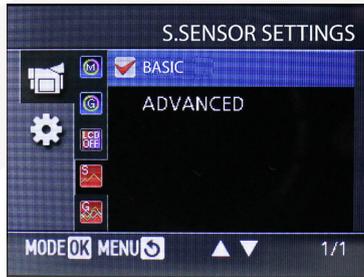
## LCD Auto Off

You can turn the LCD display on or off during recording. When this function is turned on, the LCD display will turn off after 10 seconds of inactivity.



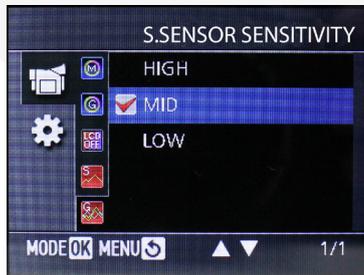
## S.Sensor Settings

The S.Sensor settings allow you to change between basic options or advanced settings that can be adjusted through the software. Please refer to 'Video Settings' section on page 42.



## S.Sensor Sensivity

The S.Sensor sensivity option allows you to adjust the sensitivity levels of the smart sensor. If you have set the smart sensor settings to pre-set (above), you can adjust the sensor sensitivity to high, middle or low.



However, if you set to advanced, you can adjust the collision, turning and acceleration/deceleration shocks. Press the 'OK' button on each option to set the sensitivity level to either high, middle or low.



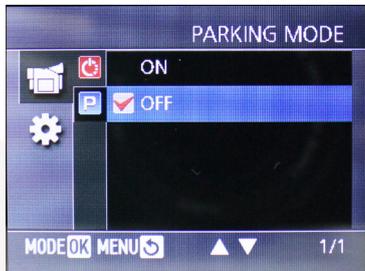
## Delayed Power Off

This option allows you to turn on the 'delayed power off' function. You can choose to continue recording during quick stopovers by turning the delayed shutdown function on. When activated, the SVC1080 will continue recording for a maximum of 5 minutes, depending on the battery life, after external power is cut off.



## Parking Mode

The parking mode option allows you to turn this function on or off. You can use the SVC1080 even when your vehicle is parked. For this function, you will need to use a permanent power source that will not disconnect when the ignition is turned off.



## Photo Settings

### Resolution

Here you can adjust the resolution for the photos taken by the SVC1080. Choose between the following resolutions:

- VGA (640x480)
- 720P (1280x720)
- HD (1440x1080)
- 1080P Full HD (1920x1080)
- 3.5 Megapixel (2176x1632)



## Playback Settings

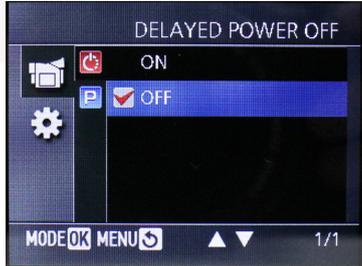
### Folder Change

Before entering the playback function, you can choose the playback files you wish to view. Choose from the 4 recorded folders available; Continuous, Smart Sensor, Panic or photo folder.



## Delayed Power Off

This option allows you to turn on the 'delayed power off' function. You can choose to continue recording during quick stopovers by turning the delayed shutdown function on. When activated, the SVC1080 will continue recording for a maximum of 5 minutes, depending on the battery life, after external power is cut off.



## Delete

Here you can delete a selected file or the entire folder.



## PLEASE NOTE

Please backup any files you wish to keep before deleting files or folders.

## Play Audio

Turn this function on to play audio during recordings, if the audio recording option has been turned on.



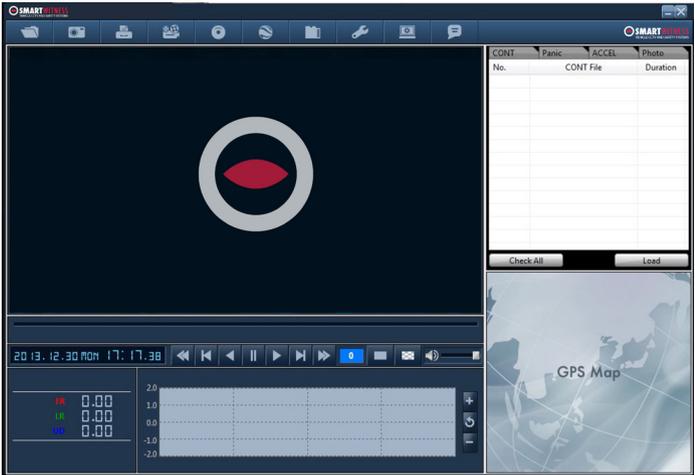
## Volume

Adjust the volume of the recordings, if the audio function has been enabled.



# 5. SOFTWARE INSTALLATION

## Software Installation (Windows)



### PC SYSTEM REQUIREMENT

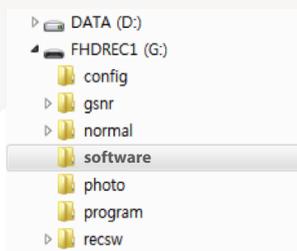
Recommended PC specifications for PC Viewer software

OS	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
CPU	Pentium 4 2.6GHZ or higher
RAM	512MB or higher
Interface	Micro SD Memory Card Reader
HDD Free Space	Install 20MB or higher Backup 2GB or higher
Display	1,024 x 768 pixel / High Colour (16 bit) or higher

If the PC does not meet the minimum system requirements, the Analysis Software may not function properly.

The SVC1080 software will come supplied on the micro SD card in the 'pcsw' folder. Or you can download it from our website [www.smartwitness.com](http://www.smartwitness.com).

1. Plug the micro SD card into your computer.
2. Open the 'FHDREC1' file.



3. Open the 'Software' folder.
4. Select the 'setup.exe' file to bring up the following screen.



5. Select the language and then follow the on screen dialog box.
6. The 'SVC1080 Software' icon will now be displayed on your desktop.



**NOTE: To Un-install the PC Viewer**

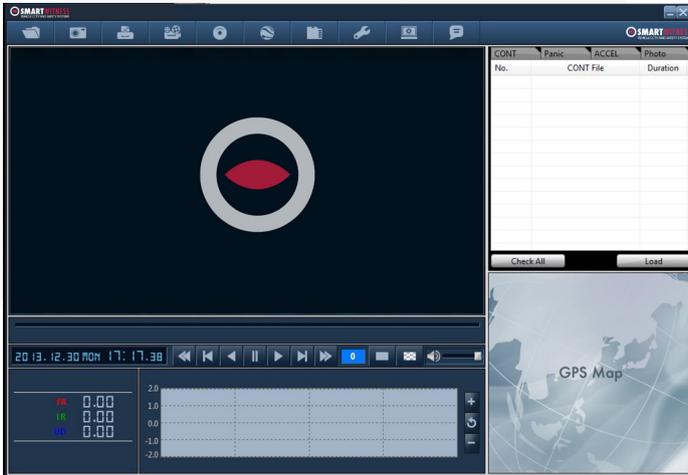
Make sure the program is not running and open the 'Control Panel'  
Select 'Remove Program' and remove SVC1080 Software

# 6. SD CARD INSERT

**PLEASE NOTE**

If you have been supplied with an micro SD card, then this will need to be setup using the latest Smart Witness Software.

1. When the software has been installed, double click the software icon to load the software.



2. Click the 'Settings' icon 

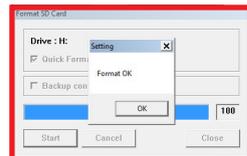
3. Select the "SD Card Initialize" button from the drop down menu

4. You will be presented with another drop down list to select the card to format.

5. Select the micro SD card from the drop down and tick the "Quick Format" box when prompted.

6. Click "Start" to begin formatting.

7. Once the card has been formatted, you will see the screen on the right. Then, remove the micro SD Card from the computer.



8. Make sure the unit is turned off before inserting the micro SD Card.

9. Insert the micro SD memory card into the micro SD card slot.

**PLEASE NOTE**

The very first time you power up your unit with the micro SD Card inserted, it is important not to disconnect the power before the 2 minutes have elapsed, as this may damage the unit.

# 7. SOFTWARE USER GUIDE

## File Loading

When Record Method is set as 'Continuous record'

No.	NORM File	Duration
<input checked="" type="checkbox"/> 2 [1]	2014.02.25 14:15:25	3 Min

Check the event

Check all files Button

Recording duration

Load Button

When Record Method is set as 'Panic record'

No.	Panic File	Type
<input checked="" type="checkbox"/> 2 [1]	2014.02.25 14:15:25	

Check the event

Check all files Button

Type of Recording

Load Button

When Record Method is set as 'Shock record'

No.	Panic File	Type
<input checked="" type="checkbox"/> 2 [1]	2014.02.25 14:15:25	G-Sensor

Check the event

Recording Type: G-sensor means the recording was activated by the G-sensor

Check all files Button

Load Button

When Record Method is set as 'Photo'

No.	Photo File
<input checked="" type="checkbox"/> 1	2014.02.25 14:23:27
<input type="checkbox"/> 2	2014.02.25 14:23:30
<input type="checkbox"/> 3	2014.02.25 14:23:33

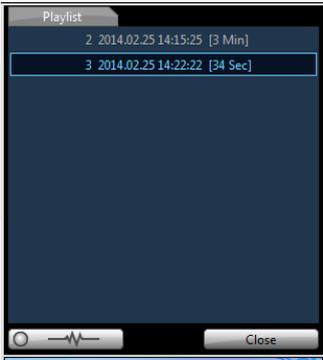
Check the event

Check all files Button

Load Button

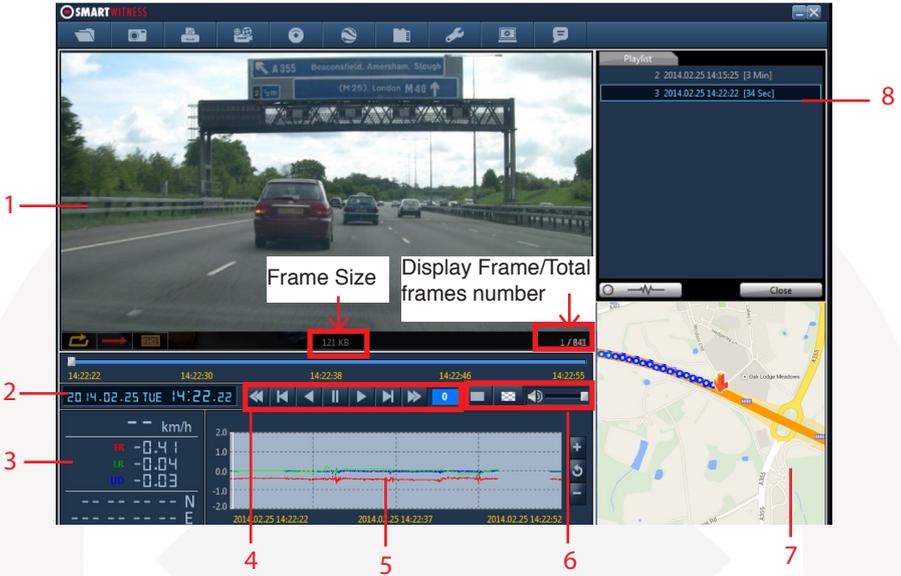
Check the shock, panic photo or normal recorded file from the list using a mouse or click 'Check All' button. Then click the 'Load' button.

6. If you have selected more than one file, once you've clicked the "Load Button" the "FileList" tab will change to the "PlayList" tab as shown below.



7. Double click the file you wish to playback to play that file.

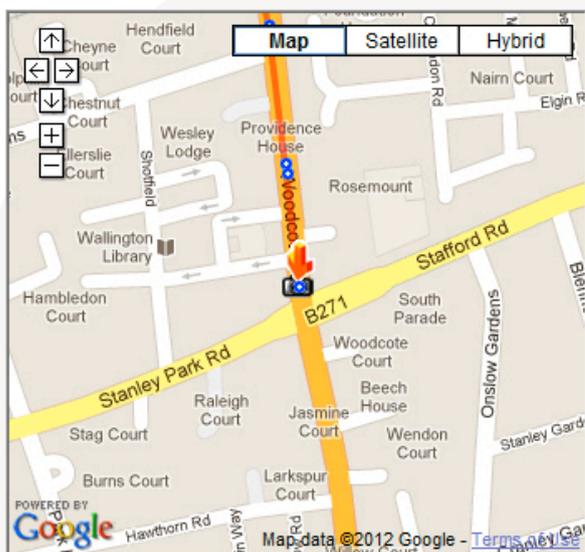
# Playback Screen



Number	Icon	Description
1	Video Display	Shows video data
2	Date & Time	Displays time and date of video data
3	Driving Info	Shows speed, acceloremeter values on the 3-axes and GPS co-ordinates
4	Video Controls	Video playback controls, playback speed options: x1, x2, x4, x8, x16
5	Accelerometer Graph	Displays accelerometer values on graph
6	Display and sound controls	Select display to be continuous or frame by frame and sound level
7	Map	Shows location and route using Google Maps
8	Data File List	Select files to view: Continuous, panic, shock, Photo

## Google Maps

The route taken will be displayed on the Google map located at the lower right corner of the software. To see Google Maps, the PC should be connected to the Internet.



⚠ To see the route & position on Google Maps, the GPS data should be recorded with video.

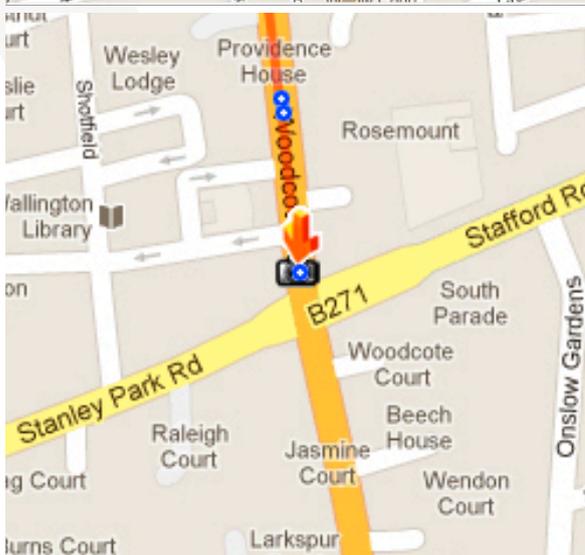
The Playback position will be shown on the map with an arrow. The blue markings show the route taken.

Double click the blue mark to change the video playback position to that point.

The camera icon indicates that there is a recorded file.

The total camera icons shown will be less than 100, even if there are more than 100 events.

When the unit is set to 'Normal' recording mode, there will be no route & camera icon on the map.

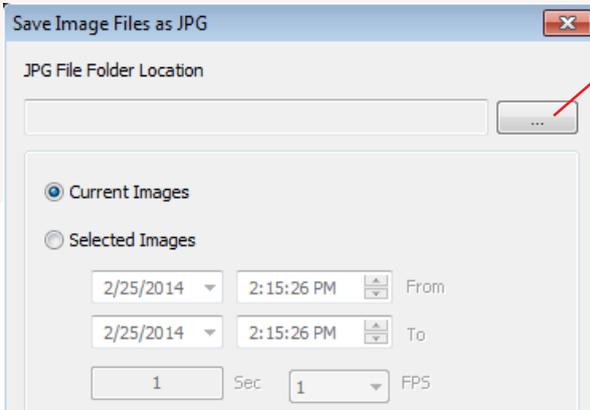


## Save JPEG and AVI File

Pause the playback and click 'Save jpg' icon to make a JPG file.



'Save jpg' Icon

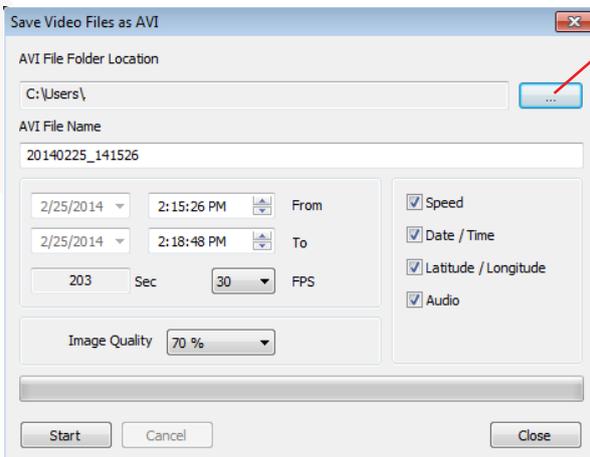


Click the '...' to choose a save location

Click 'Save AVI' icon to make a AVI file.



'Save AVI' Icon



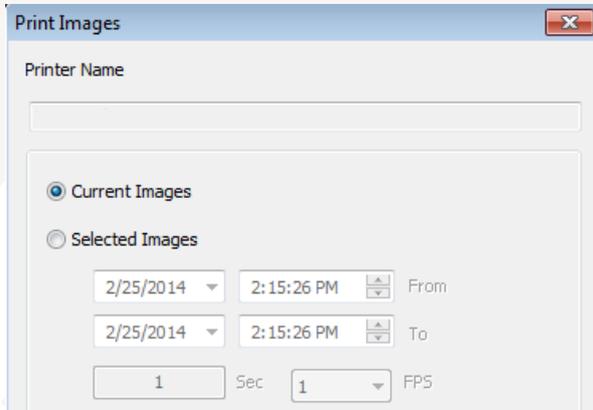
Click the '...' to choose a save location

## Print Image

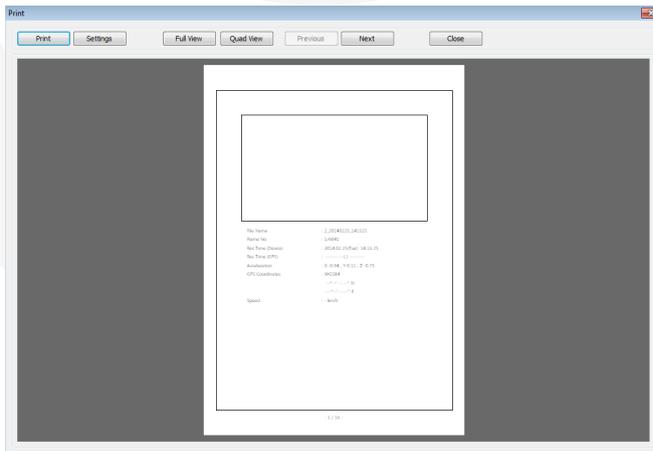
Pause the playback and click 'Print Image' icon.



'Print Image' Icon



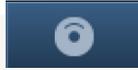
Choose to print the current image or select another image from the same file you are in by searching the time and date.



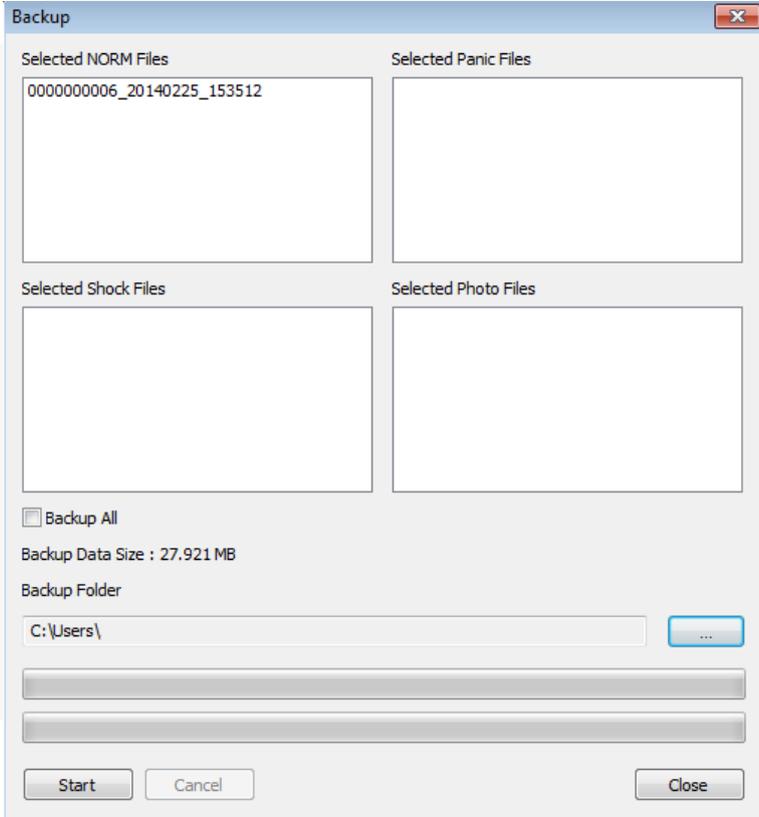
See a preview of the printed image and alter the printer settings to change paper size/orientation etc.

# Backup Files

Click the Backup files icon to backup the files to the PC.



'Backup Event/Log Files' Icon



Select 'continuous', 'panic', 's.sensor' or 'photo' and then select the backup folder location. To begin, click the 'start' button.

To backup the whole data from micro SD card to the PC, check the 'Backup All' option.

## GPS Log to KML Converter

To see the whole route on Google Earth, select the log file and click the Google Earth icon, as shown below.



'Google Earth' Icon

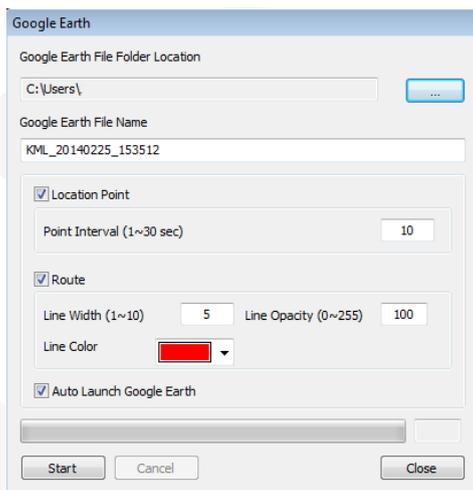
**STEP 1.** Install Google Earth on your PC. (<http://www.google.com/earth/>)

**STEP 2.** Check the log file



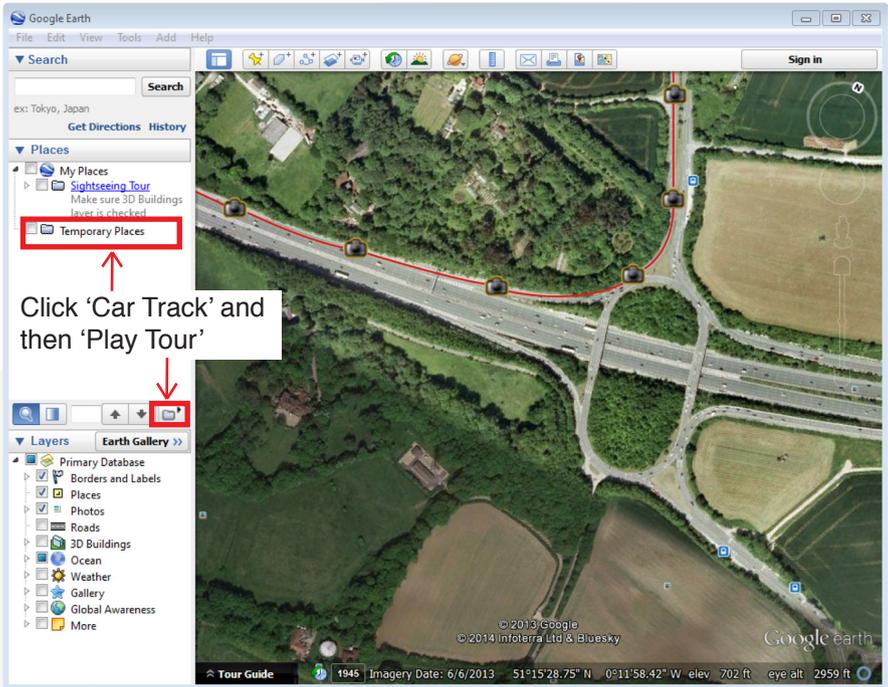
No.	NORM File	Duration	
<input type="checkbox"/> 2 [1]	2014.02.25 14:15:25	3 Min	

**STEP 3.** Click the Google Earth button



Select the folder location of the KML file. You can also choose to automatically launch the 'Google Earth' function.

Click start and the route will then be shown on Google Earth. We recommend you use Google Earth Version 5.0 or above.



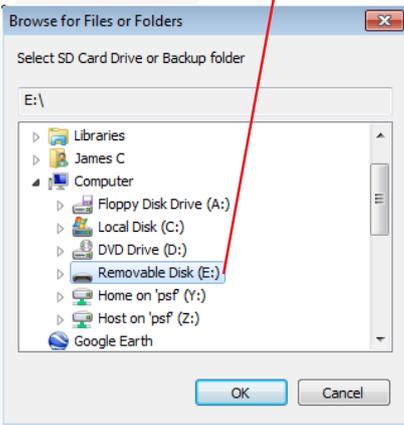
## Initialise Micro SD Card



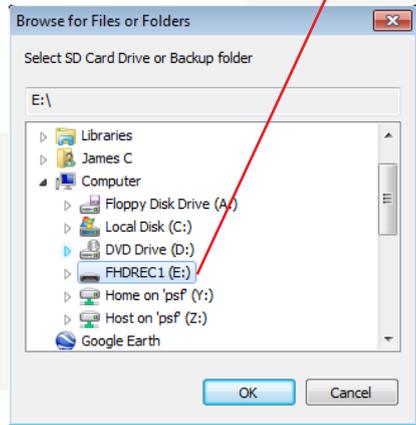
'Init Micro SD Card' Icon

To initialise the micro SD card quickly, click on the above icon and you will be presented with the following screen to choose the card to initialise. Click 'OK' when selected.

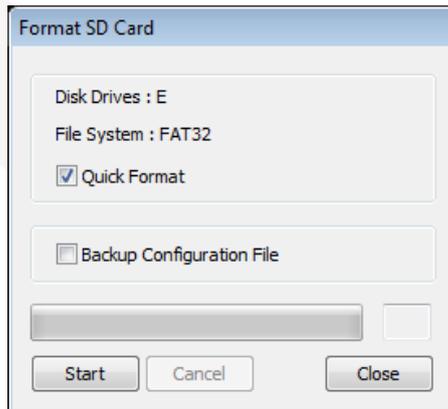
Blank Card



Pre initialised Card



On the following screen, check the 'Quick Format' button and uncheck the 'Backup Configuration File' and click 'Start' to begin initialisation.



## Settings



'Settings' Icon

This option allows you to adjust the settings on the recorder. Click the above icon to bring up the screen below.

**Device Settings**

**Record**

Resolution: 720p (1280 X 720)

Frame Rate: 30 FPS

Audio Recording: ON

Event Alarm: ON

LCD Auto Off: OFF

Delayed Power Shutdown: OFF

Parking Mode: OFF

Password (1000~9999):

**Photo Resolution Settings**

Resolution: 3.5M (2176 X 1632)

**Date / Time**

Daylight Saving Time

Start: Month: 1, Week: 1, Day of Week: Sun, Hour: 0

End: Month: 1, Week: 1, Day of Week: Sun, Hour: 0

**Overwrite**

Overwrite (NORM): ON

Overwrite (Panic): ON

Overwrite (Shock): ON

**G-Shock Sensitivity**

Easy Set: 2

Custom Set

Impact: 2

Turning: 2

Acceleration/Braking: 2

**System**

Speaker Volume: Volume 4

Button Beeps: ON

Flickerless Mode: OFF

Audio Playback: ON

Date Format: YYYY/MM/DD

Time Format: 24 Hour

Vehicle ID:

Initialize SD Card Delete Recorded Data OK Cancel

### Resolution

Adjust the resolution on the recorder from VGA (640x480), 720P (1280x720), HD (1440x1080) or 1080P HD (1920x1080).

### Frame Rate

Adjust the frame rate from 30fps or 10fps.

### Audio Recording

Turn the audio recording on or off.

## **Event Alarm**

Turn on the event alarm to make the unit 'beep' when the G-sensor has been shocked and the unit has started recording.

## **LCD Auto Off**

When turning this function, the LCD screen will turn off after 10 seconds. The unit will still be recording as indicated by the LED's flashing above the screen.

## **Delayed Power Shutdown**

The 'Delayed Power Shutdown' feature allows you to delay when the unit shuts down after the power off button is pressed. The current video will be saved and stored before the unit has shut down.

## **Parking Mode**

You can use the SVC1080 even when your vehicle is parked. For this function, you will need to use a permanent power source that will not disconnect when the ignition is turned off.

## **Password**

This option allows you to set a password on the SD card to help prevent evidence tampering.

## **Photo Mode Settings - Resolution**

Set the resolution of the photos taken by the SVC1080. Resolution can be set to:

- VGA (640x480)
- 720P (1280x720)
- HD (1440x1080)
- 1080P HD (1920x1080)
- 3.5 Megapixel (2176x1632)

## **Date/Time**

Set the date and time on the unit and set any daylight saving time.

## Overwrite

This function allows the unit to overwrite old files on the micro SD Card automatically. You can overwrite the continuous, panic or S Sensor recorded files.

## Shock Sensor Sensitivity

The shock sensor sensitivity can be set to 'basic' or 'advanced'. Set to easy set allows you to set the sensitivity to 1 (High), 2 (Medium) or 3 (Low).

In custom set, you can set 3 different shock sensor values individually. Collision shock sensor sensitivity (1-3), turning shock sensor (1-3) and Acceleration/deceleration shock sensor (1-3).

## System

The system option allows you to adjust various settings on the SVC1080 from speaker volume to date format.

**Speaker Volume** - Set speaker volume when playing back on the unit (1-4 or Mute).

**Button Tone** - Turn the button beeps on or off on the unit.

**Scene Type** - Set Scene Type on the recorder (Outdoor, Indoor 50MHz, or Indoor 60MHz).

**Audio Playback** - Turn the audio playback on or off.

**Date Format** - Adjust the date format on the recorder.

**Time Format** - Adjust the time format on the recorder (24HR, AM/PM).

## Vehicle ID

Set an ID for the unit.

## Initialise micro SD Card

When the settings have been adjusted, you can initialise the micro SD Card to save the settings and transfer to the SVC1080. Please backup all data files you wish to keep before doing this.

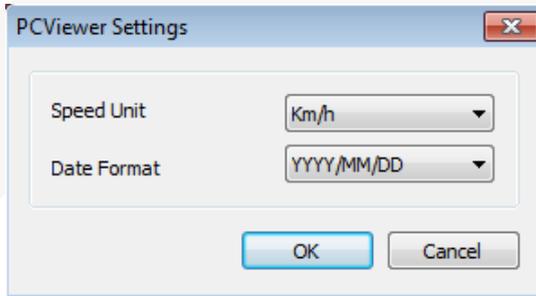
## Delete Recorded Files

Click this option to delete all recorded files on the microSD card. Please backup all data files you wish to keep before doing this.

## Viewer Settings



'Viewer Settings' Icon



This option allows you to change PC Viewer Settings for 'Speed Unit' (MPH, km/h or kn) and the 'Date Format' (YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY).

## About



'About' Icon



This shows you the Smart Witness version, if the micro SD card is inserted and the Smart Witness firmware version.

## 8. Recording Time Table

Resolution	FPS	Micro SD Card (in minutes)			
		4GB	8GB	16GB	32GB
1080P Full HD	30	57	123	257	523
	10	73	218	508	1,089
	Parking Mode	228	683	1,593	3,413
HD	30	47	142	332	711
	10	85	256	897	1,280
	Parking Mode	310	931	2,172	4,655
720P	30	72	215	502	1,076
	10	163	488	1,138	2,438
	Parking Mode	427	1,280	2,967	6,400
VGA	30	213	640	1,493	3,200
	10	245	735	1,716	3,677
	Parking Mode	1,138	3,413	7,964	17,067

### PLEASE NOTE

This table is for reference only and may differ depending on configuration and use.

# 9. SPECIFICATIONS

Image Sensor	1/3" 3 Megapixel CMOS Sensor
DSP	Standard DSP
Angle of View	170°
Video Resolution	VGA (640x480), 720P (1280x720), 1080P (1440x1080), 1080P Full HD (1920x1080)
Recording Speed	Up to 30fps
Recording Modes	Normal (Continuous) Event (Shock Sensor, Panic) Parking Mode
Recording Time	8GB (50 min ~ 960 min) 32GB (470 min ~ 150 hours)
Backup	Micro SD Memory Card
Memory	Supports Cards of up to 32GB (Class 10)
Maximum Event Files	Shock Sensor: 10, Panic: 10
GPS	Internal GPS
G-Sensor	Internal 3-Axis G-Sensor
RTC	Internal Battery
Buzzer	Event Trigger Alarm, Micro SD Card Error
LED	2 LEDs (Recording - Red, Power - Green)
PC Software	Available from the Smart Witness Website
Power Input	DC 5V (Cigarette Lighter Plug or Permanent Power Connector)
Power Consumption	5W
Size (WxHxD) in mm	88x55x17
Weight	0.075 KG
Operation Temp	-10°C~60°C

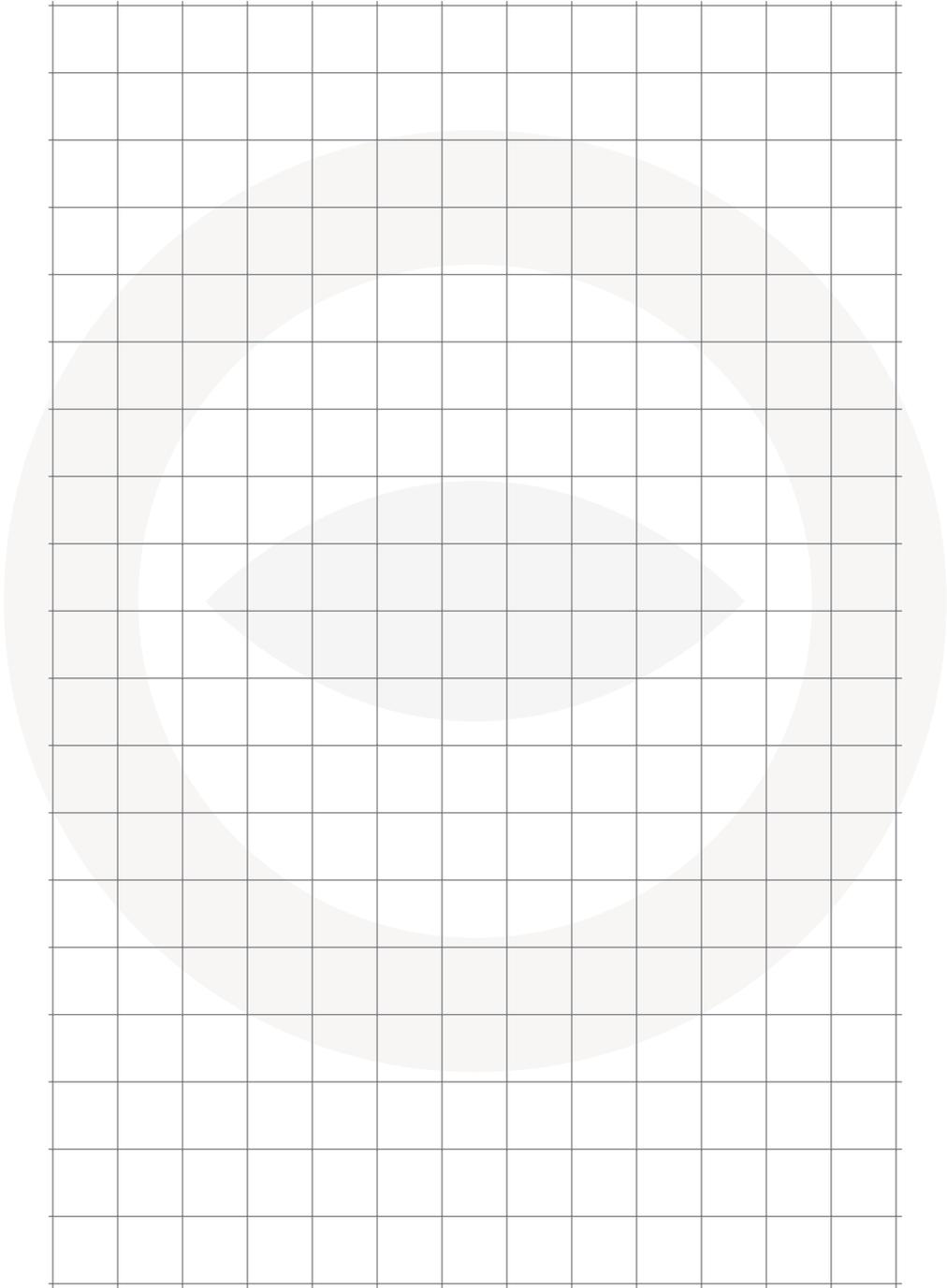
## **Technical Support**

For Technical Support, please contact your local distributor.

## **Limited Warranty**

This product is supplied with a 2 year warranty. The Warranty excludes products that have been misused, (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.





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