

USER GUIDE



3G ENABLED VEHICLE RECORDER

Thank you for purchasing the CP1 Vehicle Recorder. Please ensure that you read & understand this user guide prior to installation and using the CP1 device. Please store this user guide in an easily accessible location. A PDF version of this user guide is available for download online at http://support.smartwitness.com

User Guide

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SAFETY ADVICE



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Please make sure you follow the safety advice/instructions given in the user guide.

\land Caution

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. Battery for RTC(Real Time Clock) inside

\land Caution

Install the product where it does not block driver's visibility and where there is no airbag installed. This could cause an accident or might injure passengers in case of accident

\land Caution

Damages due to production malfunction, loss of data, or other damages occurring while using this product shall not be the responsibility of the manufacturer. Although the product is a device used for recording videos, the product may not save all videos in the case of a malfunction. In the case of an accident, the sensor may not recognize the shock when the impact is light and as a result it may not begin recording automatically.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

GPS RECEPTION

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

The commercial purpose GPS has the average range error of more than 15 meters and the range error could be more than 100 meters due to environmental conditions like buildings, roadside trees etc.

- 2. The temperature range for optimum operation of the GPS receiver in your car is $-10 \sim 50^{\circ}$ 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 recognize 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 windshields
- 3) If equipment generating electromagnetic waves that interfere with the GPS signal is installed in the vehicle e.g.: Other GPS devices such as a certain type of wireless activated alarms, MP3 and CD players and camera alarms using GPS.
- 4) If you are using a receiver connected by cable, electric 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.

CONTENTS



CP1 Vehicle Recorder



Power Cable



Sticker for Windscreen mounting (double sided tape x2)



Sticker for Angle Lock (Void sticker x2)



Torx screw (x1)



Wire Splice clips (x5)



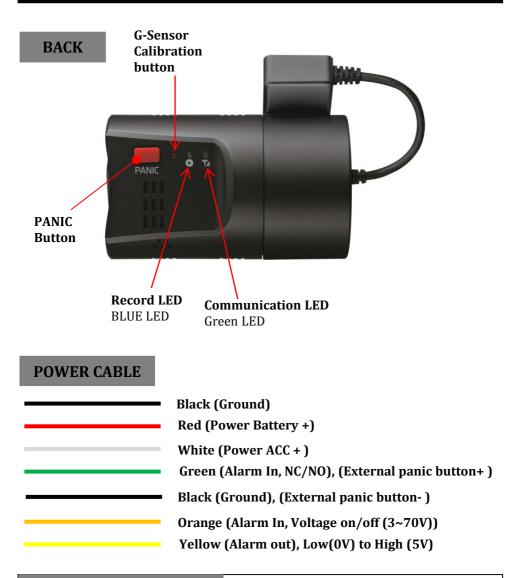
SD Cover (x1)

INTRODUCTION

FRONT



INTRODUCTION



External Panic Button (optional Item)

Cable length: 2m90cm Button Case Size: 18 x39x10 mm



FUNCTIONS

Automatic Booting

Once the CP1 has been wired to your car power source the CP1 will be boot up, this will take around 1 minute for the unit to be ready to record.

The default setting for record is the continuous recording at 30fps, 720P resolution. 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 device after any incidents.

NOTE: The unit will not start recording immediately after power on. It takes around 1 minute for the built-in power backup system to charge. Thereafter, the internal flash memory will be ready to record.

Continuous Record (When Record mode set as "Continuous")

This is the default 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 CP1 Software. To do this, please see the 'Settings' section on page 16.

Event Record (When Record mode set as "Event")

The unit will record when triggered by either an impact or a push of the 'PANIC' button. Each event file contains up to 20 seconds prior & up to 20 seconds post event. And the event file can be extended by 2nd trigger during event record. When events are triggered continuously, for every event, 20 seconds post-recording from the time of the event will be added to the event data file with a maximum recording time of 3 minutes. When this 3 minutes is reached, the file will be split and a new file will be created but the data will be continuous.

Dual Record (Continuous & Event Record)

The continuous record fps is 1fps and the file will be stored on the "Normal" folder. Event record will work according to the Fps setting for example 30frames per second recording and the file will be stored on the "Event" folder

Drive Data (DRV file)

The DRV (Drive Data) file will be recorded during driving even if there are no events or video. The DRV file consists of GPS and G-sensor data and it helps to find specific data or driving behaviors. The DRV file overwrites the oldest data. The DVR files will be made every 10 minutes.

FUNCTIONS

G-Sensor Calibration

G-Sensor Calibration is needed after installing the CP1.

- 1. Install the unit and park the vehicle on a flat surface .
- 2. Turn on the unit and press the small red button three seconds.
- 3. Then calibration will be done with "beep" sound.

Built-in power backup (Super Capacitor)

When power to the unit is interrupted, CP1 creates the last file using the internal Super Capacitor.

Time and Date

There are no time and date settings as the CP1 get's this information from the GPS satellite's.

SD Memory Card Format

Please format [initialize] the SD card using the "Configuration Tool CP1" software.

Safely Removal SD Card

Power off vehicle and take out SD memory card

Turn off the power and then check the BLUE LED light. Once the LED light is not on, you can now safely remove the SD memory card.

LEDS & BUZZER SPECIFICATION

BLUE LED (RECORD) GREEN LED (COMMUNICATION) FRONT LED Buzzer

					LED			
				Record	Communication			
	Statu	s/Step		Blue	Green	Front LED	Buzzer	
				0	-	Front LED		
		Booting step	1	On	Off	On		
Start-up		Booting step	2	On and	d Off	Off		
		Booting Finisl	ned	On		Off	^r beep _J (1time)	
Power off	Power off		Simultaneous Flashing (Blink rate: fast)		Off			
	Continuous Record Record		Recording	Flashing (Blink rate: Slow)		Off		
	Event l	Stand by Event Record		Flashing (Blink rate: Very Slow)		Off		
Record			recording	Flashing (Blink rate: fast)		Off		
			Continuous Recording	Flashing (Blink rate: Slow)		Off		
	Dual Record		Event recording	Flashing (Blink rate: fast)		Off		
6	3G	Network Devic	e Ready		On			
Communication		Communicati	on		Flashing (Blink rate: fast)			
		SD Format		Simultaneous Flas norm	hing (Blink rate:	Off	(Beep, 1time) and then repeat	
Function	(G-Sensor Calibr	ation				「Beep→(3seconds later) Be、BeBeep」	
		FW Upgrad	2	On and Off	Off and On	Off		
Warning	SD Card	SD (Card Full	Flashing (Blink rate: Slow) 3times, and off 3seond. And then repeat		Off	「BeepBeepBeep」 (3times)	
warning	5D Caru	without setting file		Simultaneous Flashing (Blink rate: Normal) 4seconds and then repeat it every minute.				
	Record Error		or, SD Lock, Write No folder	Simultaneous	Flashing (Blink rate	e: Slow)	「BeepBeepBeepBeep」 (3times)	
Error		3G Netwo	rk Device error		Off		「BeepBeep」 (3times)	
	Communicati on Error	Data Networl	connection error		Off			
		DMS comm	unication error		Flashing (Blink rate: Slow)			
Event Trigger	G-Sen	sor, Rec Button	, Alarm-In				「DingDong, DingDong」 (1time)	
		Over Speed					^F Be, Beep, Be, Beep _J (1time)	

INSTALLATION

Park your vehicle on a flat level surface. Turn off the engine before installing the CP1.

Attach the CP1 using the provided double sided 3M tape.

The surface must be clean and dry before you install. We recommended to install the product behind the rear view mirror on the front windshield.

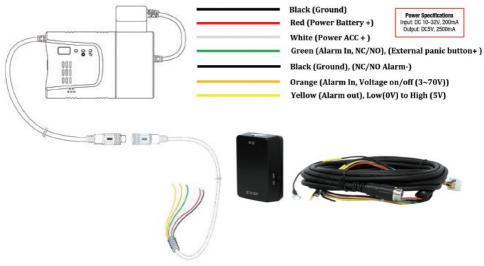
NOTE: The 3M adhesive tape will not stick well with dust or oil, etc. Please make sure the surface is clean before applying.

Adjust camera view. Make sure the lens has an unobstructed view. Check from outside the vehicle to check the camera angle, you can adjust the angle via the bracket teeth.

Arrange the power cord neatly alongside of the windshield and door pillar trim.

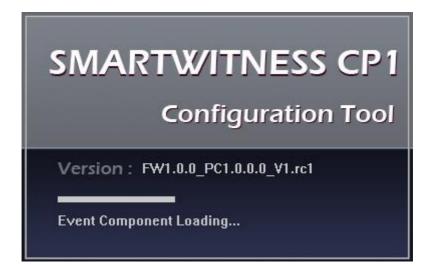


The cable supplied will allow you to hard wire the CP1 unit to the power source (i.e. fuse box) of your vehicle.



CONFIGURATION TOOL USER GUIDE

Configuration Tool CP1 Software



PC SYSTEM REQUIREMENT

Recommended PC specifications for Configuration Tool Software

OS	Windows Vista. Windows 7, Windows 8/8.1
СРИ	Core 2 Duo 2.5GHz or Higher
RAM	2GB or Higher
Interface	SD Memory Card Reader
HDD Free space	Install : 55MB or Higher Backup : 4GB or Higher
Display	1024 x 768 pixel/True Color or higher

If the PC does not meet the minimum system requirement, the Configuration Tool Software may not function properly.

SOFTWARE INSTALLATION

The Configuration Tool CP1 Software is on the provided SD card. (Also available on our website.)

- 1. Connect the SD card into your PC (if your computer does not have and SD card slot use the USB SD card reader) and open the "My Computer"
- 2. Right-click the "FHDRM" drive and select [Open]
- 3. Double click [configtool(FW1.0.0_PC1.0.0.0_V1).exe] in the [pcsw] folder.
- 4. Select the language and then follow the dialog box prompts.



5. The "Configuration Tool CP1" icon will be displayed on your desktop.



NOTE: To Un-install the Configuration Tool CP1 Software Make sure the program is not running and open the 'Control Panel' Select 'Remove Program' and remove the Configuration Tool CP1 Software.

INITIALIZE SD CARD

Initialize SD Card

Click!

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

=:1	
🗄 📬 Network	
🕀 🧱 Libraries	
🕀 🥦 Hank-US	
🛨 🌗 Image Catalog	
🖂 🜉 Computer	-
🕀 💒 Local Disk (C:)	
🕀 💼 Recovery (D:)	
🕀 🔮 BD-ROM Drive (E:)	
🕀 👝 FHDRM (F:)	
🍰 Apps	

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

Drive : F File System : FAT32 Quick Format Backup configuration file	AT32
Quick Format	AT32
Radup configuration file	nat
The backup contriguration file	nfiguration file
No Configuration file	uration file
Copy the PCViewer Software to SD	CViewer Software to SD
Copy ConfigTool Software to SD	igTool Software to SD

DEVICE SETTINGS

Device p	n Settings Record E	vent Info.	Connectiv	ity		
Camera				G-Sensor Sensitivit	у	
Carn Title		CAM1		Simple Setting	Mode	
Sound				Sensitivity	5	•
Audible Car	mera Chime	ON	•	Shock	5	-
Connection				ACCEL/Brake	5	-
Туре		KP1-INT1-S	•	Turning	5	-
Delayed F Hours Min	Power Shutdow	n 0 1	•	☑ Auto adjust G-5	Sensor to Vehicle s	peed

Cam Title

Use the alphabet and numbers to rename (max 10 digits) the cameras. The new names will be displayed on the live screen and all recordings.

Audible Camera Chime: Turn the Chime on or off

Connection Type : Set the power supply type

Delayed Power Shutdown: Set delayed power shutdown time.

G-Sensor Sensitivity: The shock sensor sensitivity can be set to 'Simple setting Mode' or 'Custom'. Set to easy allows you to set the sensitivity to 9 (High), 5 (Medium) or 1 (Low).

In custom set, you can set 3 different shock sensor values individually.

Auto adjust G-Sensor to Vehicle speed

Once it checked, CP1 will automatically decrease the G-Sensor sensitivity at higher vehicle speeds to compensate for the naturally added G-forces that are experienced due to velocity.

RECORD SETTINGS

Device	Record	Event	Info.	Connectivity			
Main Came	ra						
Resolution	1	720p (*	1280 X 720)	-			
FPS		10		-			
Quality		Standa	ard	•			
Record Record Mi Continuou	16	1	nuous Eve	•	Pre-Event Post-Event	10	•
505	6 · · ·	- <u>j</u>	<u>50</u>	%	Drive Data	ta	
	rite Recordin	ngs			Duration (1Day 8Hour)	About 7 days	•

Resolution

VGA (640x480), 720P (1280x720), 1080p HD (1920x1080).

Frame Rate

Adjust the frame rate from 30fps, 15fps, 10fps, 5~1fps

Quality

Adjust the picture quality from Standard, High, Super

Record Mode

Event (Automatically starts recording by G-sensor or Panic button.) Continuous (Always recording when powered by DC 12/24V.) Dual (The continuous record fps is 1fps and Event record will work

according to the Fps setting.)

Overwrite Recordings

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

Pre-Event / Post-Event

Adjust the Pre/Post Event time from 5 seconds to 20seconds **Drive Data**

GPS data & G-Sensor data will be recorded with videos and at the same time, GPS data & G-Sensor data will be recorded separately, we call it as 'Drive data(drv file)'.

Adjust Drive Data duration from "about 1 day" to "about 30 days".

EVENT SETTINGS

Record	🔽 Beep		
Alarm Out	N/A 💌		
Panic Button			
Record	🔽 Beep		
Alarm Out	N/A 💌		
Overspeed 1		Overspeed 2	
Record	🔽 Beep	Record	🔽 Beep
Speed Limit	100 km/h Over	Speed Limit	120 km/h Over
Time of detect		Time of detect	1 Min 💌
Alarm Out	N/A 💌	Alarm Out	N/A 💌
Alarm Input 1		Alarm Input 2	
🔽 Enable		🔽 Enable	
Record	🔽 Beep	Record	🔽 Beep
Title	Alarm1	Title	Alarm2
Туре	V-Off 💌	Туре	N-0 💌
Alarm Out	N/A 💌	Alarm Out	N/A 💌
Alarm Out		2 - 10	
Title	AlarmOut1		

Event settings

You can set the unit to record when triggered by the G-Sensor, Panic Button and GPS Speed Limit and Alarm Inputs.

And you can set the Alarm out duration per each event.

INFO. SETTINGS

🗖 Daylight Saving Time		Retrieve time settings from my PC
Month	-	
Start 1	▼ 1 ▼ Sunday ▼ 0	Y
End 1	T Sunday T 0	7
Time Zone (UTC)	0 • : 00 •	
GPS Time Sync	At Start Up	
Manual Time Setting		
Manual Time Setting		
Manual Time Setting		
Manual Time Setting	▼ 4/41:41 PM =	
Manual Time Setting	▼ 4/41:41 PM =	

This option allows you to adjust the Time Zone, GPS Time synchronization, set your Vehicle ID and also the Driver ID.

CONNECTIVITY SETTINGS

Device	Record E	ivent Info	Conr	nectivity	Server	1	
						- 1	
Connect	ivity Type						
🔽 Ena							
J♥ Ena	ibie						
Servi	ce						Y
Туре	2	Se	ver			-	
						_	
- Mobil	e Network						
Dial	bla	_					
Ular	140.						
APN							
User	- 10	_					
Use							
Pase	sword						
	rentication	NO	N.F.				
Autr	rentication	INU	NE			<u> </u>	
SMS	Center Number						
1000 C							

Set the Service Type as Sever to use 3G connection.

Adjust the settings like Dial No., APN, password, User ID, Authentication etc.

Please refer to the Sim Card supplier website for these settings.

SERVER SETTINGS

evice	Record Ev	rent Info.	Connectivity	Server	1
DMS4 -					
Doma	in/Static IP and Port	#			ex) http://DomainName:5000
Licens	se Key				
Г то	ansmit Live Tracking	Data			
	ansmit Event Data				
	ansmit Telematics D	(DD) 0			
		ata (DRv)			
Ever	nt Images				
1	🔽 Main Camera				
	Pre-Event	5	•		
	Post-Event	5	•		
Ever	nt Triggered by				
1	Panic Button	Alarm'	1		
	🗖 G-Sensor	🗌 Alarma	2		
	Over Speed1				

Set Domain/Static IP and Port number

Default License Key is "DASKEY_001"

And check the options

- Transmit Live Tracking Data
- Transmit Event Data.
- Transmit Telematics Data (DRV)

And then select events.

SOFTWARE USER GUIDE

Analysis Software



PC SYSTEM REQUIREMENT

Recommended PC specifications for Analysis Software

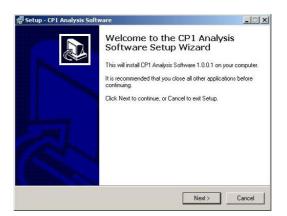
OS	Windows Vista. Windows 7, Windows 8/8.1
СРИ	Core 2 Duo 2.5GHz or Higher
RAM	2GB or Higher
Interface	SD Memory Card Reader
HDD Free space	Install : 55MB or Higher Backup : 4GB or Higher
Display	1024 x 768 pixel/True Color or higher

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

SOFTWARE INSTALLATION

The Analysis Software is on the provided SD card. (Also available on our website.)

- 1. Connect the SD card into your PC (if your computer does not have and SD card slot use the USB SD card reader) and open the "My Computer"
- 2. Right-click the "FHDRM" drive and select [Open]
- 3. Double click [setup.exe] in the [pcsw] folder.
- 4. Select the language and then follow the dialog box prompts.



5. The "CP1 Analysis Software" icon will be displayed on your desktop.



NOTE: To Un-install the Analysis Software

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



Viewing settings

This setting is for the Analysis Software itself. To set the Recorder, refer to page 15.

1
Set Password
English
mph
GPS 💌
24HR 💌
DD/MM/YYYY
Auto 💌
Last Layout
Last Layout

Click the 'Password' button. Password for the Analysis Software can be set with any number between 1000-9999.

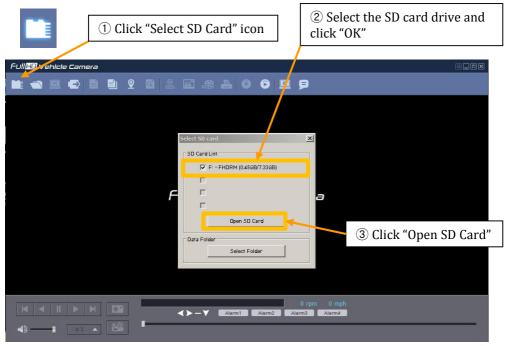
The 'speed' & 'date' formats will be set automatically according to the PC Windows setting. However it can be changed with this software setting menu. **Last Layout**: The program will launch with the same layout as it was when it was closed.

Default Layout: The program will launch with the Default Layout **Drive Data Settings**

The graph scales for the Drive Data Window will be modified according to the Settings.

OPEN THE SD CARD

Insert the SD card into your PC



The playback file list and "Continuous" and "Event" tap is displayed on the right side of the screen.

You can hide the playback list by clicking the close 🖊 icon.

The playback list can be displayed on the screen again by clicking the "File List" icon.



"Select SD Card" icon

You can end the video playback by clicking the "Close files" icon.



"Close files" icon

Continuous Play next file.

Check events from playback file.

nt	15	Continuo
3.2015 06:10:00	247	
3.2015 06:20:00	248	
3.2015 06:30:00	249	
3.2015 06:40:00	250	
3.2015 06:50:00	251	
3.2015 07:00:00	252	
3.2015 07:10:00	253	
3.2015 07:20:00	254	
3.2015 07:30:00	255	
3.2015 07:40:00	256	
3.2015 07:50:00	257	
3.2015 08:00:00	258	
3.2015 08:10:00	259	
3.2015 08:20:00	260	
3.2015 08:30:00	261	
3.2015 08:40:00	262	

If you want to play a specific file that has been backed up on the PC or SD Card, Click the "Open files" icon



"Open files" icon

)pen	1			~ *			1
Look in:	80 🍋		-	G 2	2		
1	Name *		- Date	modified	-	Туре	1.
2	00000000	16_20151117_080000_001	11/16	/2015 11:1		MDT File	
ent Places	00000000:	17_20151117_081000_001	11/16	/2015 11:2	2	MDT File	
	00000000	18_20151117_082000_001	11/16	/2015 11:3	3	MDT File	ł.
	🥑 00000000:	19_20151117_083000_001	11/16	/2015 11:4	ł	MDT File	
sktop	00000002	20_20151117_084000_001	11/16	/2015 11:4	ł	MDT File	
braries Disputer Disputer							
	File name:	0000000018_2015111	7 000000 0	01			Open
	rile name.	1000000018_2015111	/_082000_0	01	<u> </u>	_	Open
	Files of type:	MDT Files (".mdt)			-		Cancel

Select the MDT file you want to play and click "Open".

The image of the selected file will then be displayed and you can click the "Play" button to play the file.

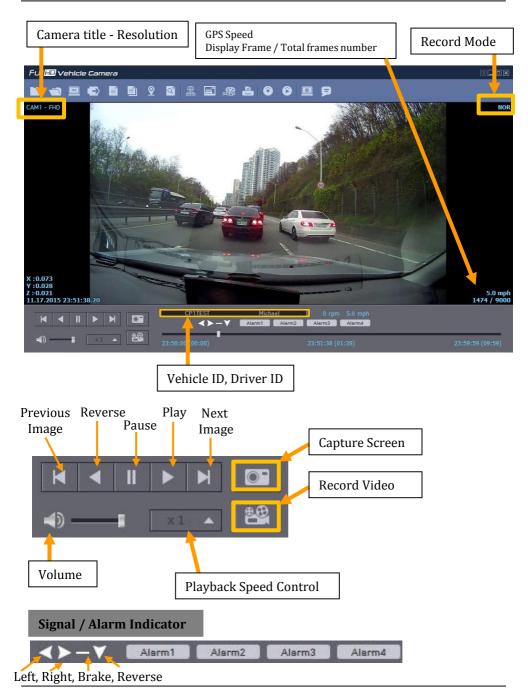


"Eject SD Card" icon

When finished, click "Eject SD Card" icon and remove the SD card from your PC.

Or please use 🐞 "Safely Remove Hardware and Eject Media" button in your PC.

PLAYBACK



DRIVE DATA



"Drive Data" icon

The default setting only displays the G-sensor graphs but other information may be added by checking the boxes in the upper part of the screen.



G-Sensor: (X axis: red, Y axis: green, Z axis: blue, based on the positioning of the main unit) is shown with the data reference point zero-point calibrated and positive shocks as (+) and negative shocks as (-).

G sensor X value: Front & Back (like Quick brake or Quick Start) G sensor Y value: Left & Right (like Quick Turn) G sensor Z value: Up & Down (like prominence and depression)

Speed: GPS measured speed is displayed in grey.

The speed-pulse measured speed is not support.

RPM: The RPM is not support.

ALARM: The alarms are displayed on the bottom of the screen with the grey bar meaning the trigger is activated.

TRACKING MAP



"Tracking Map" icon

The route taken will be displayed on the Google map.



The blue markings show the route taken.

To see the route and position on the Google map, the GPS data should be recorded with video.

To see the map, the PC should be connected to the internet.

EVENT SEARCH



"Event Search" icon

The "Event Search" help to find a specific data quickly.

Date/Time Event & Record Alarm Signal Recording Mode 2015.11.16 19:04:52 Brake Continuous Continuous 2015.11.17 08:00:28 Shock Continuous Continuous	Deta/Time				
2015.11.16 19:04:52 Brake Continuous	Daterrime	Event & Record	Alarm	Signal	Recording Mode
2015.11.17 08:00:28 Shock Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Continuous Image: Co	2015.11.16 19:04:52	Brake			
		2015.11.17 08:00:28	2015.11.17 08:00'28 Shock	2015.11.17 08:00:28 Shock 20	2015.11.17 08:00:28 Shock 20

Select "Search Range" and select "Search Conditions"

And then click Search button.

Choose an event from the searched list and click "Go to Video" to see the video.

PRIVACY SETTINGS



"Privacy Settings" icon

Set the mosaic area on the video for privacy protection.



When backing up the data as a JPG or AVI format and playing in the Viewer software, you are able to make a mosaic processing on the area you have set.

To do this, put the pause the video and click the 'Privacy settings' button. The privacy setting screen will pop up.

Blur out the area you wish to protect by left-clicking on the sections. You can select multiple areas.

You can also unselect, selected areas by right-clicking the blurred areas.

To select all or clear all, click on the 'Select all' or 'UnSelect All' buttons on the bottom, respectively.

SAVE JPEG AND AVI FILE

Pause the playback and click "Save JPG" icon to make JPG images.

Save JPG Image		
Vehicle ID	🔲 Driver ID	🔽 Date/ Ti
LAT/ LONG	GPS Speed	Directio
🔽 G-Sensor	🔲 Speedometer Spe	eed 🥅 Signal
🗖 Alarm	🔲 Privacy Masking I	On Viewer
E RPM	🔲 Privacy Masking I	On Backup
JPG File Folder	Privacy Masking	On Backup
1	ocuments\PCViewer\VT20	UU(JPG
JPG File Name		

Pause the playback and click "Save AVI" icon to make an AVI file.



"Save AVI" icon

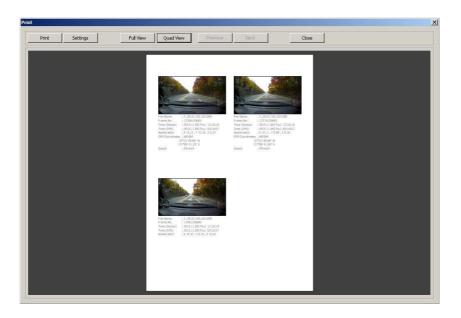
11/13/2015 💌 6:1		
	From	10 FPS
11/13/2015 💌 6:1	10:29 AM 🕂 To	30 sec
Vehicle ID	🗖 Driver ID	🔲 Date/ Time
LAT/ LONG	GPS Speed	Direction
🔽 G-Sensor	🔲 Speedometer S	ipeed 🥅 Signal
🗖 Alarm	Privacy Maskin	g On Viewer
RPM	🔲 Privacy Maskin	g On Backup
VI File Folder		
C\Users\Hank-US\Doc	uments\PCViewer\VT2	2000/AVI ·
VI File Name		
20151113_061000		
		1

PRINT IMAGE

Pause the playback and click "Print Image" icon.

Privacy Masking On Viewer Privacy Masking On Backup
if the by the starting on backet

Type Subject and Memo



Alter the printer settings to change paper size/orientation etc.

BACKING UP FILES

Back up the recorded data on your PC.

There is an option to store data by type to easy management of data.

0	"Backup Data" icon
	Backup Data
	11/17/2015 11:51:38 PM From 11/17/2015 11:52:37 PM To 60 sec
	Vehicle ID CP1TEST Driver ID Michael
	Memo Title
	Folder C:\Users\Hank-US\Documents\SmartWiti
	Type
	Start Cancel Close

The start time is when the video was paused and cannot be changed once you start this process.

Set the time you wish to backup and input Title and Memo.

And input Type and then click [Start].

The maximum amount of time you can back up is one hour.

BACKUP DATA LIST AND EXPORT

You can use the data backup list to play data files easier that have been backed up.



"Backup Data List and Export" icon

Type	accident			Export	Delete
No.	Date/ Time	Vehicle ID	Driver ID	Memo Title	
0001	2015.11.17 23:50:00	CP1TEST	Michael		
Folder	C:\Users\Hank-US\Docu	Iments\SmartWit	ness\CP1\BACKUP		

Choose the folder where the backup files are at the bottom of the screen.

(It will automatically show the last folder that was accessed.)

Then, select the type by scrolling down the options.

The files are listed showing the "Date/Time, Vehicle ID, Driver ID, Memo Title". Check the box next to the file you wish to play back and click 'OK'.

SPECIFICATION

Image sensor	1/3" 3 Megapixel CMOS Sensor
DSP	Standard DSP
Angle of View	170°(H:139.5°, V:71.5°±5%)
Band support	WCDMA Band II(1900MHz)/ Band V(850MHz)
Max Data Rate	UL:5.76Mbps, DL : 7.2Mbps
Video resolution	1080p HD (1920x1080) 720P (1280x720), VGA (640x480)
Recording Speed	Up to 30 fps
Recording Mode	Continuous , Event, Dual Mode
Memory	Supports Cards of up to 32GB (Class 10)
GPS/GLONASS	Internal GPS /GLONASS
G-Sensor	Internal 3-axis G-sensor
Gyro	3Axis(X,Y,Z), output rate:100 Hz,
RTC	Internal battery
Speaker	Recording start, error
Audio	Internal Microphone
Alarm In/Out	2 x Alarm In, 1 x Alarm Out
LED	Record,(Blue LED) Communication(Red LED)
Super Capacitor	Enable recording of last file and shut down
PC software	Supplied
Power input	12V to 24V DC permanent wiring kit Input Voltage: DC 5V, 3A
Delayed Power Shutdown	Supports Delayed Power Shutdown
Power consumption	15W
Size / Weight	91mm X 56mm X 56mm (w/o Bracket) , 206g
Operation Temp.	-10°C~55°C

APPENDIX Recording time table

RECORDING TIME TABLE

Resolution	Quality	FPS	32GB	Resolution	Quality	FPS	32GB
		15	24 hours			30	23 hours
	Standard	10	30 hours			15	38 hours
	Stanuaru	5	43 hours			10	49 hours
		1	64 hours		Standard	5	68 hours
		15	20 hours		Januaru	4	74 hours
1080p HD	High	10	26 hours			3	81 hours
(1920x1080)		5	36 hours			2	89 hours
		1	55 hours			1	99 hours
		15	17 hours			30	17 hours
	Super	10	22 hours			15	29 hours
	Super	5	31 hours			10	37 hours
		1	47 hours	720p	High	5	53 hours
		30	61 hours	(1280x720)	High	4	57 hours
		15	98 hours			3	63 hours
	Standard	10	121 hours			2	70 hours
		5	161 hours			1	78 hours
		1	217 hours			30	14 hours
		30	43 hours			15	24 hours
VGA	High	15	70 hours			10	30 hours
(640x480)		10	88 hours		Super	5	43 hours
(040,400)		5	120 hours			4	47 hours
		1	167 hours			3	51 hours
		30	33 hours			2	57 hours
		15	55 hours			1	64 hours
	Super	10	69 hours				
		5	95 hours				
		1	136 hours				

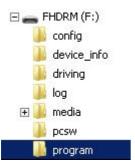
This table is a guideline only.

Actual results may vary depending on a variety of factors on the road.

NOTE: To get the upgrade firmware, please contact your local distributor.

1. Prepare Firmware

Make a folder called [program] on the SD root folder as shown below,



Copy "XXXXXX_x.x.ximg" file to the SD card [program] folder.

2. Upgrade CP1

Insert the prepared SD card to CP1 unit and turn on the power.

The Blue & Red LED will blink while the unit is upgrading. It will also 'beep' continuously. Upgrading the unit usually takes about 30 seconds.

Warning: Do not turn off the power during upgrading. If the upgrade fails, the CP1 unit should be returned to your local distributor.

Once the upgrading is finished, the unit will automatically turn off and on the power.

TECHNICAL SUPPORT

For Technical Support, please visit http://support.smartwitness.com

LIMITED WARRANTY

This product is supplied with 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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