

SmartWitness CP4

Device Configuration Guide



CP4 Setup and Configuration



1. Download the CP4 configuration tool 3.2.0 [here](#)
2. Install and open the configuration tool:
 1. Insert SD Card into your PC (Max 128GB SD card supported)
 2. Click 'Initialize SD Card'
 3. Select the SD card from File Explorer
 4. Click "Start" to initialize
3. Apply your desired settings (or click "Open" to load existing settings)
4. Click "Save to apply to SD card"
5. Eject Card safely from your PC

[CLICK HERE FOR VIDEO DEMONSTRATION](#)

*SD cards can also be removed from the CP4 to review video and data. For this, the SmartWitness PC viewer software is required which you can [download here](#) or visit Support.smartwitness.com



Device Tab

Camera

Enable the desired camera channels.

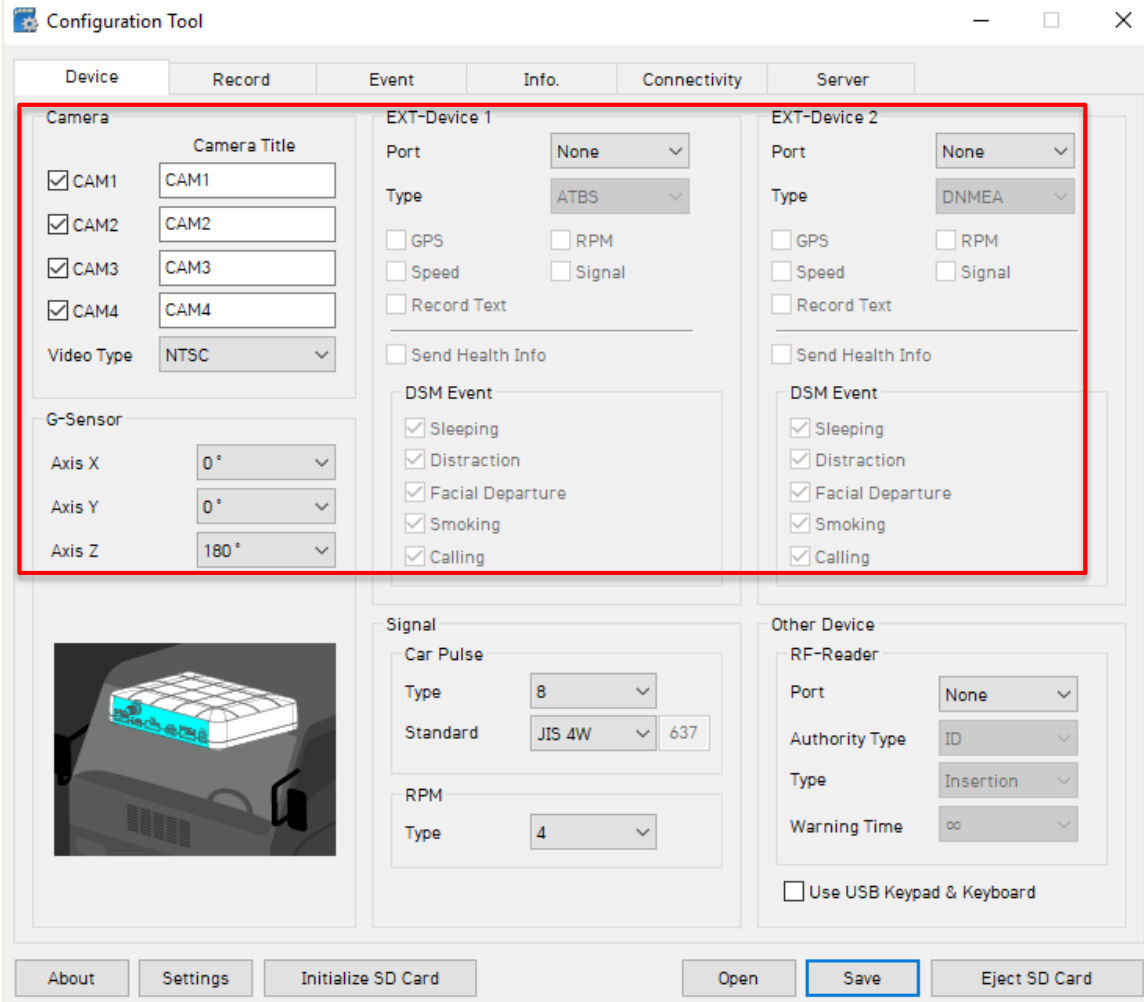
Video Type

NTSC is the default for the Americas and APAC.
PAL is the default for EMEA.

G-Sensor Axis

Set the CP4's installed position. This is important for proper G-Sensor calibration and accurate drive data reporting. [Click here](#) for a graphic on all orientations and their corresponding X,Y,Z values

External Devices : Optional accessory add-ons which used to enable the serial ports in order to connect an external device. You can select the serial accessory from the dropdown list and any correlating checkbox options.



The screenshot shows the 'Configuration Tool' software interface with the 'Device' tab selected. A red box highlights the 'Camera', 'EXT-Device 1', and 'EXT-Device 2' sections. The 'Camera' section includes checkboxes for CAM1, CAM2, CAM3, and CAM4, a 'Video Type' dropdown set to 'NTSC', and 'G-Sensor' axis settings (Axis X: 0°, Axis Y: 0°, Axis Z: 180°). The 'EXT-Device 1' and 'EXT-Device 2' sections include 'Port' and 'Type' dropdowns, checkboxes for 'GPS', 'Speed', 'Record Text', and 'Send Health Info', and a 'DSM Event' list with checkboxes for 'Sleeping', 'Distraction', 'Facial Departure', 'Smoking', and 'Calling'. Below the highlighted area, there is an image of a CP4 device, a 'Signal' section with 'Car Pulse' settings (Type: 8, Standard: JIS 4W, 637) and 'RPM' settings (Type: 4), and an 'Other Device' section with 'RF-Reader' settings (Port: None, Authority Type: ID, Type: Insertion, Warning Time: ∞) and a checkbox for 'Use USB Keypad & Keyboard'. The bottom of the window features buttons for 'About', 'Settings', 'Initialize SD Card', 'Open', 'Save', and 'Eject SD Card'.

Device Tab Cont.

Signal & RPM(Optional)

These are optional input wires on the CP4 I/O harness which can connect to tachometer to receive the vehicle RPM and/or speed.

- Pulse Signal** Pull up, Pull Down
Car Pulse Type: 1 ~ 25
Standard : JIS 4W/JIS 2W, 3W/SA
E/DIN/BNA/MANUAL
- RPM** Type: 1 ~ 10

Other Device:

- RF-ID Card: You can connect to a serial port or a USB port.
- Authority Type:
 - ID: a normal RF ID card.
 - JP License: Japanese driver license ID.
- Type:
 - Insertion: Insert type reader.
 - Touch: Touch type reader.
- Warning Time: how long the audible warning will chime after ignition on until the RF card/fob is detected.
- USB Key pad & Keyboard: You can connect a USB external keypad to navigate the OSD when using an LCD monitor with CP4

Configuration Tool

Device Record Event Info. Connectivity Server

Camera

Camera Title

CAM1 CAM1

CAM2 CAM2

CAM3 CAM3

CAM4 CAM4

Video Type NTSC

G-Sensor

Axis X 0°

Axis Y 0°

Axis Z 180°

EXT-Device 1

Port None

Type ATBS

GPS RPM

Speed Signal

Record Text

Send Health Info

DSM Event

Sleeping

Distraction

Facial Departure

Smoking

Calling

EXT-Device 2

Port None

Type DNMEA

GPS RPM

Speed Signal

Record Text

Send Health Info

DSM Event

Sleeping

Distraction

Facial Departure

Smoking

Calling

Signal

Car Pulse

Type 8

Standard JIS 4W 637

RPM

Type 4

Other Device

RF-Reader

Port None

Authority Type ID

Type Insertion

Warning Time ∞

Use USB Keypad & Keyboard

About Settings Initialize SD Card Open Save Eject SD Card

Record Tab

Resolution: chose from D1, HD (720p) or FHD (1080p)

Frame Rate: Choose from 30, 15, 10, 5, 4, 3, 2, or 1

Quality: Standard, High, or Super. (The lower the quality, the more compressed/lossy the video output).

Please refer to [SD storage calculator](#) to determine storage times based on the chosen settings here

Record Modes

Event: Only events are recorded, event video duration determined by the pre & post event setting

Continuous: Records video continuously, no events (events can still be sent to Smart API server if configured on the Server tab)

Dual Mode: Records continuous at 1FPS + events at the specified FPS

*If Dual Mode is set, you can adjust the SD card partition for event and continuous video here

Parking Mode reduces the FPS to 1 when the vehicle is idle for 5 minutes (Continuous Mode option only)

Audio recording can be turned on or off

Telematics Data (DRV file) is recorded and stored separately from video and events. Set the local storage duration here.

Automatically Remove Data

You can set the device to automatically delete the SD card Telematics Data and/or the Video Data. Check the box to enable the auto delete function and the data retention time.

The screenshot shows the 'Record' tab of the Configuration Tool. It features several sections: 'Channel' with a table for CH1-CH4; 'Video Data' with 'Record Mode' set to 'Continuous' and a slider for 'Dual Mode' at 50%; 'Pre-Event' and 'Post-Event' durations set to 10 Sec; 'Telematics Data' with 'Enable' checked and 'Duration' set to 'About 40 Hours'; and 'Data Usage Calculation' with 'Disk Size' set to '16GB'. There are also checkboxes for 'Parking Mode', 'Record Audio', and 'By Panic'. At the bottom, there are buttons for 'About', 'Settings', 'Initialize SD Card', 'Open', 'Save', and 'Eject SD Card'.

Channel	Resolution	NTSC	FPS	Quality
CH1	720p		5	Normal
CH2	720p		5	Normal
CH3	720p		5	Normal
CH4	D1		5	Normal

Encryption No. 4 digit passcode to protect the SD card data from being easily viewed with the Analysis software and also to protect changing the device settings using the config tool.

Event Tab – G-Sensor

Events can be turned on/off per each camera channel (event mode and dual mode only).

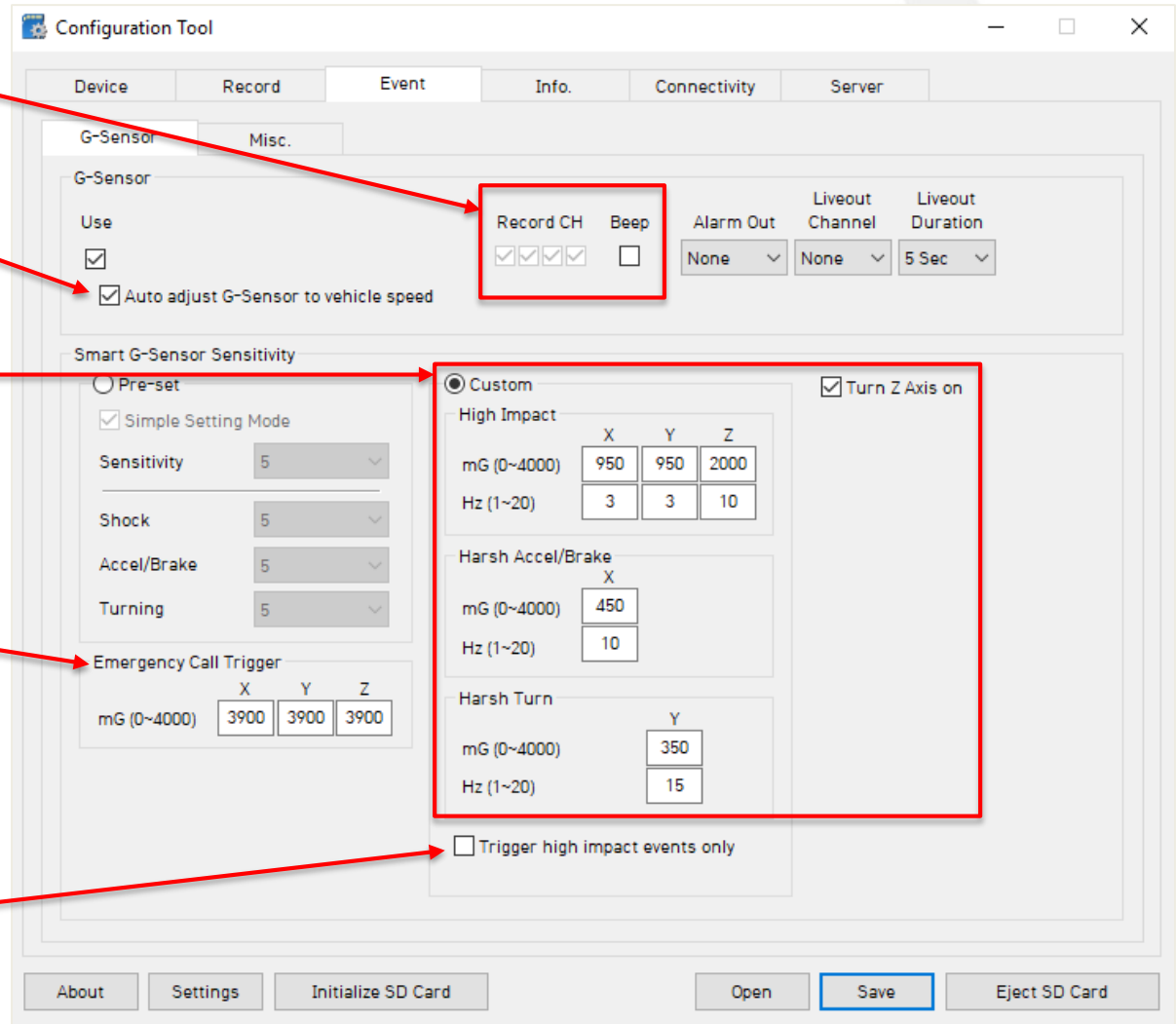
Check this box to increase G-Sensor threshold at higher vehicle speeds.*

*G-Sensor Sensitivity Settings

Turn Z-Axis on: when enabled, the Z axis on the G-Sensor (up/down) will be activated.

Ecall is a severe impact G-Sensor which can be configured to send emergency notifications separately from lower level shock events.

When checked, only Ecall and Shock events will trigger (accel, brake, and turn events will be ignored).



**See pg 15 for more details on G-Sensor thresholds.*

Event Tab - MISC

The Event tab will allow you to specify which events will trigger a recording (Event record mode or Dual record mode only).

Check the boxes next to each event you want triggered.

You can also set speed thresholds here if you'd like to record over speed events. (This is raw vehicle speed and does not account for road/posted speed limits).

Check "Beep" if you'd like an audible chime to alert the driver when the event occurs.

If using the optional alarm input triggers (Alarm1: white, Alarm2: Purple, Alarm3: Green, Alarm4: Orange) then you need to check the box(s) here and label them according to the input type (i.e. horn, lights, door open, etc.)

Also the input type should be selected (NC/NO, or 12V ON/OFF).

NOTE: Alarm4 may not be supported by older versions of CP4 hardware. CP4 devices shipping from August 2018 and forward will support this 4th alarm input.

Alarm Out, if selected, will send a 5V output from the Yellow wire to a 3rd party device for the duration selected in the dropdown.

Liveout Channel: Which camera channel will be displayed on LCD when trigger is activated.

Liveout Duration: How long the camera view will stay displayed after trigger is off.

The screenshot shows the 'Configuration Tool' window with the 'Event' tab selected. The 'Misc.' sub-tab is active, showing configurations for G-Sensor, Panic Button, Overspeed, Alarm In, and EXT-Signal. Red boxes highlight the G-Sensor, Panic Button, and Alarm In sections. Red arrows point from the text instructions to the 'Use' checkboxes in the Panic Button and Alarm In sections.

Event	Use	Speed Limit	Record CH	Beep	Alarm Out	Liveout Channel	Liveout Duration
G-Sensor	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None	None	5 Sec
Panic Button	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None	None	5 Sec
Overspeed	<input type="checkbox"/>	125 km/h Over	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
Alarm In	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
EXT-Signal	<input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
	<input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec

Event Tab – MISC Cont.

EXT-Signal

- **Use:** Enable the boxes for the alarms that will be used. If using DDC-200S device, the fatigue/distraction events are detected by enabling all four signal events.
- **Title:** Provide a name/title up to 10 digits (Optional).
- **Record Channel:** Enable the camera(s) to record when the alarm is being triggered.
 - The record channel boxes are CH 1~4 from left to right.
 - Only channels that are enabled on the **Device** tab can be selected.

Check "Beep" if you'd like an audible chime to alert the driver when the event occurs.

- **Liveout Channel:** Which camera channel will be displayed on LCD when trigger is activated.
- **Liveout Duration:** How long the camera view will stay displayed after trigger is off.

The screenshot shows the 'Configuration Tool' window with the 'Event' tab selected. The 'Misc.' sub-tab is active, displaying settings for Panic Button, Overspeed, Alarm In, and EXT-Signal. The 'Save' button is highlighted in blue.

Device	Record	Event	Info.	Connectivity	Server		
G-Sensor Misc.							
Panic Button							
Use		Record CH	Beep	Alarm Out	Liveout Channel	Liveout Duration	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None	None	5 Sec	
Overspeed							
Use	Speed Limit	Record CH	Beep	Alarm Out	Liveout Channel	Liveout Duration	
<input type="checkbox"/>	125 km/h Over	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec	
Alarm In							
Use	Title	Type	Record CH	Beep	Alarm Out	Liveout Channel	Liveout Duration
<input checked="" type="checkbox"/>	ALARM1	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM2	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM3	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM4	N-D	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
EXT-Signal							
Use	Title	Record CH	Beep	Alarm Out	Liveout Channel	Liveout Duration	
<input type="checkbox"/>	LEFT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec	
<input type="checkbox"/>	RIGHT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec	
<input type="checkbox"/>	BRAKE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec	
<input type="checkbox"/>	REVERSE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec	

Buttons: About, Settings, Initialize SD Card, Open, Save, Eject SD Card

Info Tab – Date/Time

Time setting is not necessary as the PC Viewer software and Smart API both adjust the standard UTC time to local time automatically.

DST (Optional)

Check the box to enable the daylight saving time.
Input the start & end date.

***DO NOT USE IF CP4 IS
CONNECTED TO SMART API**

Configuration Tool

Device Record Event **Info.** Connectivity Server

Date/Time Service Screen

Date Format YYYY/MM/DD

Time Zone UTC

Daylight Saving Time

Start Jan. 1st Sunday 0 o'clock

End Jan. 1st Sunday 0 o'clock

Time Sync

Retrieve time settings from my PC

About Settings Initialize SD Card Open Save Eject SD Card

Info Tab – Service

Service

- *Delay Power Shutdown*: Amount of time CP4 stays on after ignition is turned off.
- *Wakeup Interval*: Time interval in which CP4 will automatically power up again after shutdown.
- *Register Interval*: Time interval in which CP4 stays powered on during wakeup interval.
- *Auto Format*: Allows CP4 to perform automatic maintenance on the SD cards when there is an issue. SD cards need to be re-formatted occasionally over time.

Note: SD card data will be deleted when an auto-format occurs.

It is recommended to use Smart API to be noticed of Media Error and format on-demand as needed to ensure that important evidence is not deleted by the automatic format function.

System Warning

Provides an alert in case system issue is detected.

- **Source:**
 - *SD Card*: is not recognized or writing is failed.
 - *Temperature*: Alerts when device temp is over 80°C
 - *Video Loss*: Video signal loss from camera(s).
 - *AUX*: Any error detected from an external serial accessory which is connected.
- **Event:**
 - *Beep*: CP4 will make an audible alert when the selected warning events occur
 - *Popup*: A message will appear on the LCD monitor
 - *Alarm LED*: RED LED on CP4 remote will turn on
 - *Alarm Out*: 5V signal will send out from the CP4 alarm out wire.

NOTE: if system warning event is enabled at the source section, any corresponding event message will send to Smart API server

The screenshot shows the 'Configuration Tool' window with the 'Event' tab selected. The 'Service' sub-tab is active, displaying various system settings. The 'System' section includes dropdown menus for Speed Source (GPS), Speed Unit (km/h), Beep from (Main Unit), Delayed Power Shutdown (00:15), and Wake-up Interval (Off). There are checkboxes for Auto Format Feature (unchecked), Button Beep (checked), and Disable Menu (checked). The 'User Management' section has fields for Vehicle No and Driver ID, both currently empty. The 'System Warning' section has a 'Use' checkbox checked, and a 'Source' section with checkboxes for SD Card (checked), Video Loss (checked), Temperature (checked), and AUX (unchecked). The 'Event' section has checkboxes for Alarm out (unchecked), Popup (unchecked), Beep (checked), and Alarm LED (checked), with a dropdown menu set to 5 Sec. At the bottom, there are buttons for About, Settings, Initialize SD Card, Open, Save (highlighted), and Eject SD Card.

Info Tab – Service Cont.

System Warning

- Events:
 - Alarm Out: sends 5V output via the yellow wire on the cable harness.
 - Beep: Audible chime to alert the driver when failure occurs.
 - Alarm LED: CP4 "Red" LED with turn on.
 - Popup: A notification message will be displayed on LCD monitor based on selected duration.

Vehicle No & Driver ID can be added here. These values can be able to be overlaid on the MP4 converted video using the desktop analysis software (PC or MAC). These values can also be updated remotely using Smart API workstation or by API request.

The screenshot shows the 'Configuration Tool' window with the 'Event' tab selected. The 'Service' sub-tab is active, displaying various system settings. A red box highlights the 'Event' section, which includes checkboxes for 'Alarm out', 'Beep', 'Popup', and 'Alarm LED', along with a '5 Sec' dropdown menu. A red arrow points to the 'Vehicle No' input field in the 'User Management' section.

Device	Record	Event	Info.	Connectivity	Server
Date/Time Service Screen					
System					
Speed Source	GPS				
Speed Unit	km/h				
Beep from	Main Unit				
Delayed Power Shutdown	00 : 15				
Wake-up Interval	Off				
Register Interval	00 : 00				
<input type="checkbox"/> Auto Format Feature					
<input checked="" type="checkbox"/> Button Beep					
<input checked="" type="checkbox"/> Disable Menu					
User Management					
<input type="checkbox"/> Vehicle No	<input type="text"/>				
Driver ID	<input type="text"/>				
System Warning					
<input checked="" type="checkbox"/> Use					
Source					
<input checked="" type="checkbox"/> SD Card	<input checked="" type="checkbox"/> Temperature				
<input checked="" type="checkbox"/> Video Loss	<input type="checkbox"/> AUX				
Event					
<input type="checkbox"/> Alarm out	<input checked="" type="checkbox"/> Beep				
<input type="checkbox"/> Popup	<input checked="" type="checkbox"/> Alarm LED				
5 Sec					

Info Tab – Screen

Liveout Priority

- Display on CP4 can be prioritized from “1” highest priority ~ “9” lowest priority.
 - Example: If CH 2 & CH3 both triggered an event the same time, CH2 has the priority to display on the monitor.

Sequence Channel

- Selected channels will be displayed in sequential order based on dwell time (Default Channel must be set to SEQ).
 - Dwell Time: Set display time per selected channel (Off/1~5 seconds).

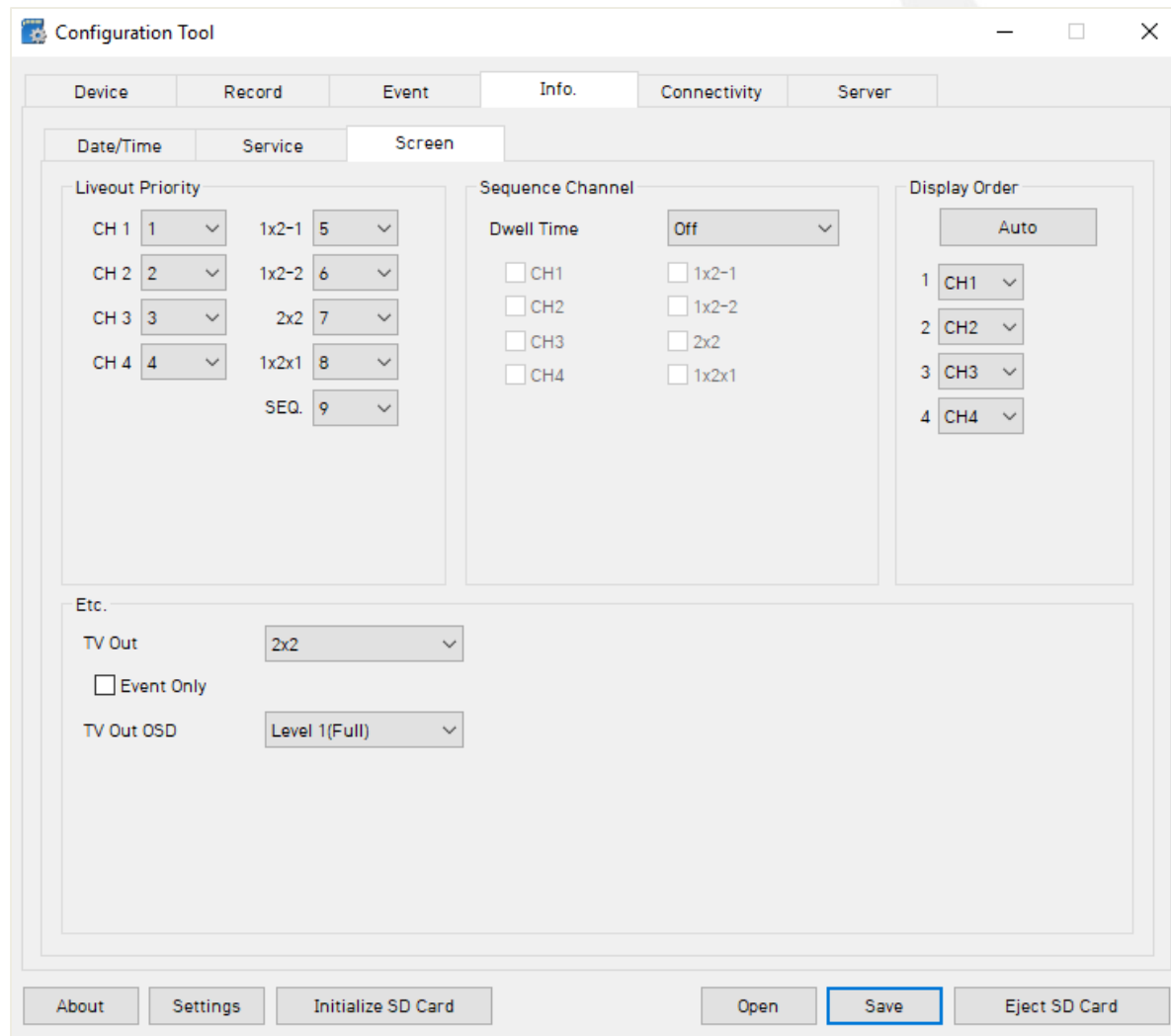
Display Order

- The order of cameras as they are displayed on the LCD monitor.

1	2
3	4

ETC.

- TV Out: Provide signal to the monitor. Event Only option turns off the V/O signal completely unless it's configured on the event tab.
- TV Out OSD: Determine which information to be displayed on LCD monitor.
 - Level 1(Full): Time, Disk Space, Camera Title, Camera/Event Status.
 - Level 2: Time, Disk Space, Camera Title.
 - Level 3: Time, Disk Space.
 - Level 4(Off): No data output from CP4 unit.



Connectivity Tab

When using CP4 as a connected device, "Enable" the connectivity here

Mobile Network:

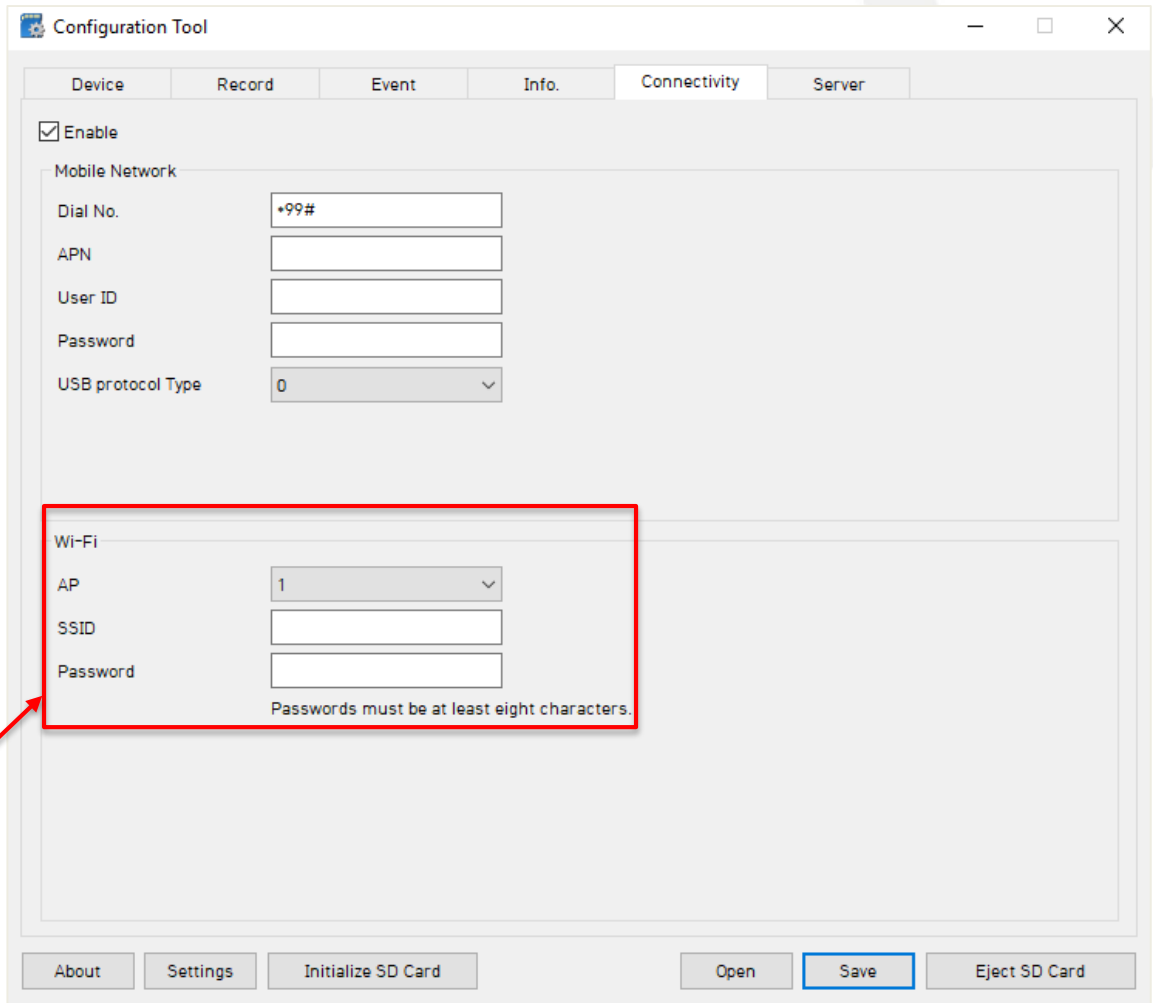
99#** can be used for all networks except for Verizon and Sprint (which use ***993#**)

APN is not required. CP4 will automatically receive the APN information via the cellular module.

If Sim requires a username and password, the APN, User ID, and Password must be entered (CHAP/PAP authentication is automatically assigned).

You can enable WiFi connectivity instead of cellular connectivity with the use of an approved WiFi USB dongle. The AP must be secure with WPA/WPA2 encryption and have a password of at least 8 characters (cannot be an open network).

You can set up to 10 WiFi SSIDs. CP4 will scan for as many networks as are added here in its settings.



The screenshot shows the 'Configuration Tool' window with the 'Connectivity' tab selected. The 'Enable' checkbox is checked. The 'Mobile Network' section includes fields for Dial No. (set to *99#), APN, User ID, Password, and USB protocol Type (set to 0). The 'Wi-Fi' section is highlighted with a red box and includes a dropdown for AP (set to 1), SSID, and Password fields. A note below the password field states 'Passwords must be at least eight characters.' The bottom of the window features buttons for 'About', 'Settings', 'Initialize SD Card', 'Open', 'Save', and 'Eject SD Card'.

Server Tab

SmartWitness or your service provider will provide you the URL and (if necessary) the License Key to enter here.

Transmit Live Tracking Data: Check to enable http posts from the CP4 to server. Livetrack2 contains GPS coordinates. LiveTrack3 does not.

Transmit Event Data: Check to enable CP4 posting event notification and images to the server.

Transmit Telematics Data: Check to enable CP4 to send DRV data (static/compressed file containing drive data from every second the vehicle is in operation).

Transmit Emergency Call: Check to transmit ecall/Severe Shock events.

NOTE: The frequency interval of LiveTrack and DRV uploads are controlled by the server.

Select the events here which the CP4 will transmit to the server in real-time. These events will transmit instantly even if CP4 is set as "Continuous" record mode.

Click 'Save' and select the "FHDRM" SD drive when prompted. This will save your configuration to the card. Wait for the software to confirm the settings have been applied to the SD Card.

You can now eject the SD from your PC and insert into CP4 and power on.

The screenshot shows the 'Server' tab of the Configuration Tool. The 'Domain/Static IP and Port #' field is set to 'http://sv.smartwitness.co:5000/api'. The 'License Key' field is empty. The 'Transmit' section is highlighted with a red box and contains the following settings:

- Tracking Data:**
 - Transmit Live Tracking Data
 - Live Tracking Data Type: LiveTrack2
- Event Data:**
 - Transmit Event Data
 - Include G-Sensor/Gyro Data
- Telematics Data (DRV):**
 - Transmit Telematics Data (DRV)
 - G-Sensor/Gyro Data: None
- Emergency Call:**
 - Transmit Emergency Call Notification

The 'Event Images' section is also visible, with checkboxes for CAM1, CAM2, CAM3, and CAM4, and dropdown menus for Pre-Event and Post-Event durations (both set to 5 Sec) and Event/Snapshot Quality (set to Normal).

The 'Event Triggered by' section is highlighted with a red box and contains the following settings:

<input checked="" type="checkbox"/> G-Sensor	<input checked="" type="checkbox"/> Panic Button	<input type="checkbox"/> Overspeed	<input checked="" type="checkbox"/> Ignition
<input checked="" type="checkbox"/> Transmit Image	<input checked="" type="checkbox"/> Transmit Image	<input checked="" type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image
<input checked="" type="checkbox"/> Alarm1	<input checked="" type="checkbox"/> Alarm2	<input checked="" type="checkbox"/> Alarm3	<input checked="" type="checkbox"/> Alarm4
<input checked="" type="checkbox"/> Transmit Image	<input checked="" type="checkbox"/> Transmit Image	<input checked="" type="checkbox"/> Transmit Image	<input checked="" type="checkbox"/> Transmit Image
<input type="checkbox"/> Signal1	<input type="checkbox"/> Signal2	<input type="checkbox"/> Signal3	<input type="checkbox"/> Signal4
<input type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image

At the bottom of the window, the 'Save' button is highlighted with a red box. Red arrows point from the text instructions to the 'Domain/Static IP and Port #' field, the 'Transmit' section, the 'Event Triggered by' section, and the 'Save' button.

CP4 G-Sensor Threshold Table

Low Speed Table

Level	axis	ACCSENX		ACCSENY				ACCSENZ	
		Impact		Sudden start/ sudden stop1		Sudden start/ sudden stop2		Quick Turn	
		G(mg)	Hz	G(mg)	Hz	G(mg)	Hz	G(mg)	Hz
1 (less sensitive)	X	950	1	450	8	500	5~7	-	-
	Y	950	1	-	-	-	-	350	15
	Z	1050	1	-	-	-	-	-	-
2	X	900	1	420	8	470	5~7	-	-
	Y	900	1	-	-	-	-	340	15
	Z	1000	1	-	-	-	-	-	-
3	X	850	1	390	8	440	5~7	-	-
	Y	850	1	-	-	-	-	320	15
	Z	950	1	-	-	-	-	-	-
4	X	800	1	360	8	410	5~7	-	-
	Y	800	1	-	-	-	-	310	15
	Z	900	1	-	-	-	-	-	-
5	X	750	1	330	8	380	5~7	-	-
	Y	750	1	-	-	-	-	300	20
	Z	850	1	-	-	-	-	-	-
6	X	700	1	310	8	360	5~7	-	-
	Y	700	1	-	-	-	-	280	20
	Z	800	1	-	-	-	-	-	-
7	X	650	1	240	10	-	-	-	-
	Y	650	1	-	-	-	-	230	20
	Z	750	1	-	-	-	-	-	-
8	X	600	1	190	10	-	-	-	-
	Y	600	1	-	-	-	-	190	15
	Z	700	1	-	-	-	-	-	-
9	X	550	1	170	10	-	-	-	-
	Y	550	1	-	-	-	-	170	15
	Z	650	1	-	-	-	-	-	-

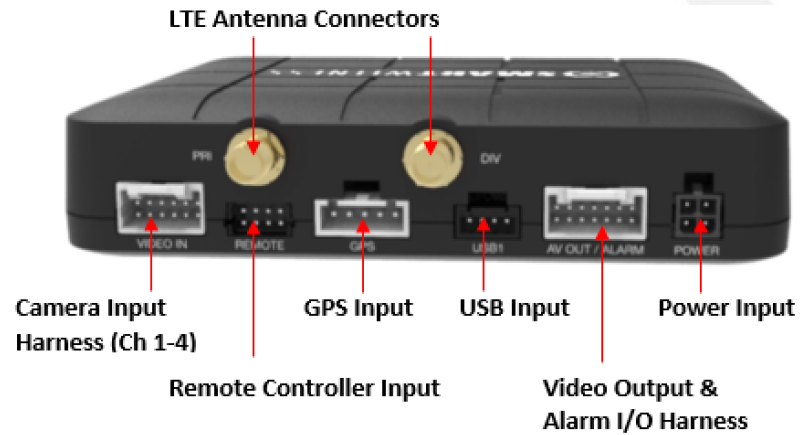
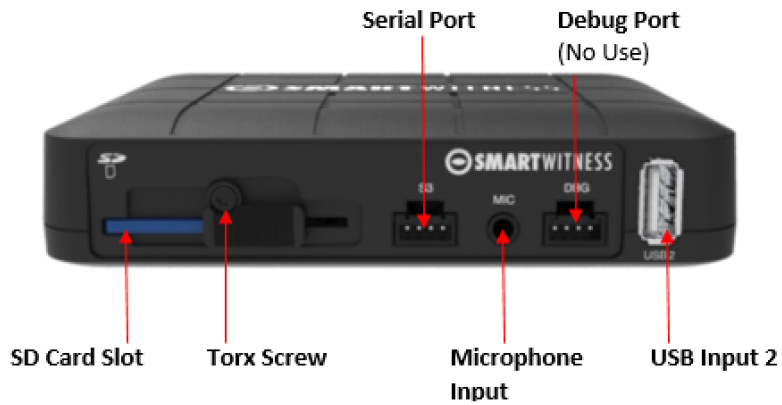
High Speed Table

Level	axis	ACCSENX		ACCSENY				ACCSENZ	
		impact		Sudden start/ sudden stop1		Sudden start/ sudden stop2		Quick Turn	
		G(mg)	Hz	G(mg)	Hz	G(mg)	Hz	G(mg)	Hz
1 (less sensitive)	X	1350	1	480	10	-	-	-	-
	Y	1350	1	-	-	-	-	420	15
	Z	1450	1	-	-	-	-	-	-
2	X	1300	1	450	10	-	-	-	-
	Y	1300	1	-	-	-	-	410	15
	Z	1400	1	-	-	-	-	-	-
3	X	1250	1	420	10	-	-	-	-
	Y	1250	1	-	-	-	-	380	15
	Z	1350	1	-	-	-	-	-	-
4	X	1200	1	390	10	-	-	-	-
	Y	1200	1	-	-	-	-	370	15
	Z	1300	1	-	-	-	-	-	-
5	X	1150	1	360	10	-	-	-	-
	Y	1150	1	-	-	-	-	340	20
	Z	1250	1	-	-	-	-	-	-
6	X	1100	1	340	10	-	-	-	-
	Y	1100	1	-	-	-	-	320	20
	Z	1200	1	-	-	-	-	-	-
7	X	1050	1	270	10	-	-	-	-
	Y	1050	1	-	-	-	-	270	20
	Z	1150	1	-	-	-	-	-	-
8	X	1000	1	190	10	-	-	-	-
	Y	1000	1	-	-	-	-	220	15
	Z	1100	1	-	-	-	-	-	-
9	X	950	1	170	10	-	-	-	-
	Y	950	1	-	-	-	-	200	15
	Z	1050	1	-	-	-	-	-	-

Speed Mode: When auto adjust G-Sensor to vehicle speed is checked, G-Sensor threshold will increase to levels specified in the right table when the vehicle reaches 20 KMh. The threshold will go back to settings in the left table when vehicle goes below 10 KMh.

Auto adjust G-Sensor to Vehicle speed

CP4 Hardware



- Black - Ground: BAT(-)
- Red - Power: BAT(+)
- White - Ignition (IGN+)

Required

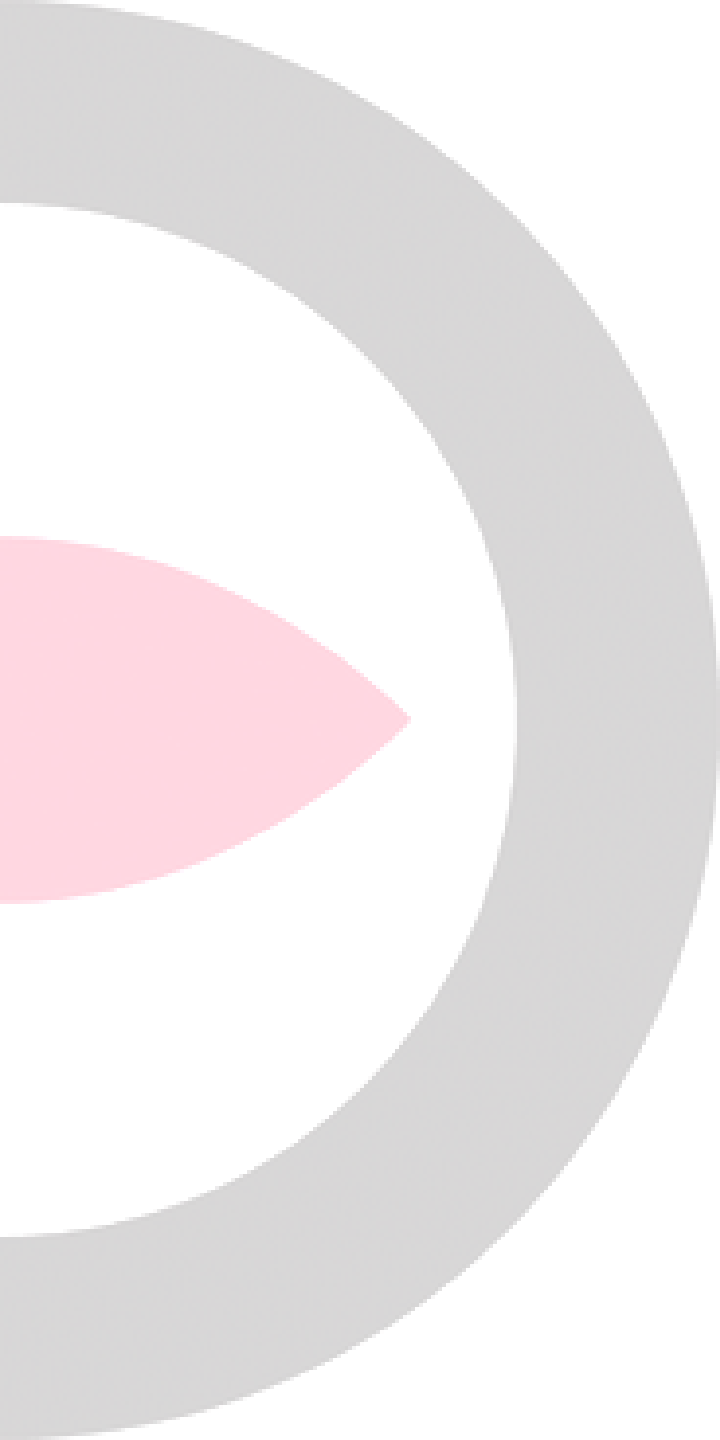
Power Specifications
Input: DC 10-32V, 2000 mA
Output: DC5V, 2500 mA

- White : Alarm In1, Voltage on/off (3~70V)
- Purple : Alarm In2, Voltage on/off (3~70V)
- Green : Alarm In3, Voltage on/off (3~70V)
- Orange : Alarm In4, NC/NO (open/close)
- Blue : Speed (TACHO)
- Gray : RPM (TACHO)
- Brown : Alarm Out, Low(0V) to High (5V)
- Black : Ground for Alarm In4 (NC/NO circuit)

Optional



[CP4 Installation guide can be downloaded here](#)



SmartWitness USA
1016 Lunt Avenue
Schaumburg, IL 60193 USA

SmartWitness UK
Quadrant House, 47 Croydon Road
Caterham CR3 6PB, UK

smartwitness.com

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This is Video Telematics.