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Multi Camera Systems

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FORS/CLOCS Solutions

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Your 360° Road Safety & Protection Partner

# Why SmartWitness?

**SmartWitness are a world-leading designer, manufacturer and supplier of in-vehicle cameras, recorders and safety systems.**

## 2007

The year we started providing in-vehicle cameras to fleet operators and commercial vehicle owners.

## 250K

The amount of vehicles around the world benefitting from SmartWitness protection.

## 35M

The amount of miles driven every day under the watchful eye of SmartWitness solutions.

## 10Y

The amount of time we have spent to date on R&D. We're constantly developing new products and technologies.



### HD Evidence Captured

High-definition cameras capture crystal-clear images of inside/outside of the vehicle.



### GPS Location Recorded

Built-in GPS/Glonass provides precise event location, route, vehicle speed & direction.



### 3G/4G Connected

Cellular connectivity provides real-time images, live location, and on-demand HD video upload.



### Event Analysis

Powerful software is included with every system to review, analyse and backup video on your PC.

Today, SmartWitness is further bridging the gap between vehicle telematics and video with its lineup of network connected products and accompanying API stack.

### Distracted Driver Detection **DDC100**



The DDC100 Distracted Driver Detection unit is powerful device that detects multiple elements of driving behaviour simultaneously and alarms if the driver is fatigued or distracted. It is capable of capturing eyelid closure, recognising facial features and detecting head position. Alerts driver and notifies Video Telematics platform.

### Monitors

**7" Monitor *SV7LCD-2***  
**7" Monitor with DVR Remote Control *SV7LCD-SVD***  
**7" Split View Monitor *SV7QLCD***



SV7LCD-2: Slimline 7" LCD Monitor that supports camera view prioritisation and has 2 video inputs.

SV7LCD-SVD: 7" Monitor with IR (DVR Remote Control) passthrough for controlling SVD420/820 DVRs from monitor location

SV7QLCD: Heavy Duty 7" LCD Monitor with Quad View. It supports camera view prioritisation and has 4 video inputs.

All complete with brackets for optimum mounting position.



**SD Forward Facing Camera *CP-F***  
**HD Forward Facing Camera *SVC-F***



The CP-F and SVC-F Forward Facing Cameras feature ultra wide angle lenses for pillar to pillar recording day or night.

**Collision Avoidance System *ADAS-ME***



The collision avoidance (ADAS) system helps drivers by acting as a "third eye", constantly monitoring the road in front of the vehicle. It identifies potentially dangerous situations, and provides audio and visual alerts to assist the driver in preventing or mitigating a collision. Alerts driver and notifies Video Telematics platform.

**SD Driver Facing Camera *CP-D***  
**HD Driver Facing Camera *SVC-D-2***



The CP-D and SVC-D-2 cameras are designed for viewing the interior of a vehicle. They feature wide angle lenses and have integrated IR LEDs for night vision.

**SD Side View Camera *CP-S***  
**HD Side View Camera *SVC-S***



The CP-S and SVC-S Side View cameras feature wide angle lenses for viewing/recording blindspots and have integrated IR LEDs for night vision.

**Left Turn Alarm & Sensor**

Alarm sounds when vehicle is in left turn and sensors detect obstacles. Works at speeds only. Includes Kill Switch for night use.





### SD Rear Facing Camera **CP-R** HD Rear Facing Camera **SVC-R**



The CP-R and SVC-R Rear View Cameras are designed to provide a wide angle view when reversing. They feature integrated IR LEDs for night vision and a sun/rain shield.

### Reversing Alarms & Sensors



Alarm sounds when vehicle is reversing (available as White Noise or Beep Beep) and sensors detect obstacles when Reverse Gear is selected. Includes Kill Switch for night use.

### Cargo Camera

SD Vandal Resistant Camera **CP-V**  
(with Audio CP-VA)  
HD Vandal Resistant Camera **SVC-V**  
(with Audio SVC-VA)



The CP-V and SVC-V Vandal Resistant Dome Cameras are perfect for viewing cargo or as a Tamper Resistant Driver Facing Camera. They feature wide angle lenses and have integrated IR LEDs for night vision and optional microphones for audio recording.

## Non-Connected Recorders

**Key benefits:** Record high resolution video evidence from inside and outside the vehicle. Optional audio recording is available.

### Mini 4-Camera Vehicle DVR **SVD400**



- Record up to 4 cameras
- Optional Audio Recording
- Records in HD
- 25 frames per second (fps) for superb quality playback
- Up to 256GB recording capacity
- Records GPS data (speed & location)

### 4/8 Camera Vehicle DVR **SVD420/820**



- Record up to 8 cameras
- Optional Audio Recording
- Records in HD
- 25 frames per second (fps) for superb quality playback
- Up to 2TB recording capacity
- Records GPS data (speed & location)







## Connected Recorders

**Key benefits:** High resolution video inside & outside your vehicle enables all events to be captured and transferred instantly for review. Onboard SIM Card enables connection to our software services.

### 4/8 Camera Connected Video Data Recorder **SVD420L/820L**



Live Viewing Portal

- Record up to 8 cameras
- Optional Audio Recording
- Records in HD
- 25 frames per second (fps) for superb quality playback
- Up to 2TB recording capacity
- Records GPS data (speed & location)
- Available with LAN/WiFi or 3G connectivity
- Live Tracking and Route Replays
- Live Video Streaming and Playback

### 4/8 Channel HD Vehicle Recorder with integrated GPS, 6-Axis G-Sensor, and 3G/4G/LTE **CP4/CRX**



CP4 - 4 Channel



CRX - 8 Channel

- Record up to 8 cameras in HD
- Optional Audio Recording
- 25 frames per second (fps) for superb quality playback
- Up to 2TB recording capacity
- Records GPS data (speed & location)
- Records Driver Behaviour
- Available with LAN/WiFi/3G or 4G LTE connectivity
- Live Tracking and Route Replays
- Live Video and Playback
- Video Alerts when poor driving or impact detected

## Video Telematics

### SmartMail2



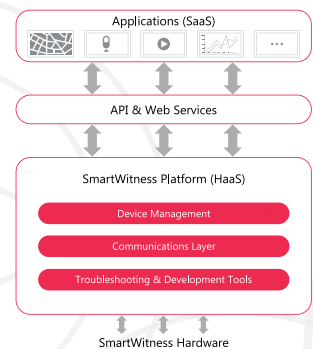
SmartMail was developed with the small/medium fleet operator in mind. It delivers driver safety and protection information to you within moments of an incident taking place. Using DVRs with a cellular modem, safety-critical road events will automatically transmit an email notification with the video clip and event information enclosed. An online portal is provided to help manage all vehicle events.

### SmartView2



Our online telematics portal helps deliver driver safety and protection information to you within seconds of an incident taking place. That may be a road collision, an unsafe speeding event or when someone wants to know you're looking out for them. GPS vehicle position data from our connected DVRs is sent to the portal every minute so you can accurately track vehicles and replay the route via the simple-to-use Website.

### SmartAPI



SmartAPIs enables TSPs (Telematics Services Providers) to pull video, GPS data, audio, & G-Sensor data directly from our DVRs and onto your existing Telematics or GPS tracking software. Instead of hosting your own solution with the local server model, your TSP will host it on your behalf and add it to your monthly bill, with the convenience of an integrated system. One invoice, one UI.



## FORS compliant multi-camera, audible warning and sensor system suitable for vehicles over 3.5T and less than 7.5T

- Side Sensors with in-cab display and buzzer. The sensors are activated only at low speed.
- Left Turn Alarm. The alarm is activated only at low speed and is supplied with a Kill Switch for disabling it at night. The Kill Switch will disable it until the next time the ignition is turned on so there are no concerns about the driver forgetting to turn it back on again.
- Reversing Alarm. The reversing alarm is supplied with a Kill Switch which will disable it until the next time the ignition is turned on.
- Blind Spot Camera with 7m cable, 7" Monitor with 10m cable and Recorder - The blind spot camera provides views of the near side blind spot and will display these on the monitor whenever the left indicator is used.



## FORS compliant multi-camera, audible warning and sensor system suitable for rigid vehicles over 7.5T

- Side Sensors with in-cab display and buzzer. The sensors are activated only at low speed.
- Left Turn Alarm. The alarm is activated only at low speed and is supplied with a Kill Switch for disabling it at night. The Kill Switch will disable it until the next time the ignition is turned on so there are no concerns about the driver forgetting to turn it back on again.
- Reversing Alarm. The reversing alarm is supplied with a Kill Switch which will disable it until the next time the ignition is turned on.
- Rear Camera with 12m cable, Blind Spot Camera with 7m cable, 7" Monitor with 10m cable and Recorder.
- Reversing sensors with in-cab display and buzzer. The reversing sensors are designed to be on top of or underneath the bumper of the vehicle.



## FORS compliant multi-camera, audible warning and sensor system suitable for articulated vehicles over 7.5T

- Side Sensors with in-cab display and buzzer. The sensors are activated only at low speed.
- Left Turn Alarm. The alarm is activated only at low speed and is supplied with a Kill Switch for disabling it at night. The Kill Switch will disable it until the next time the ignition is turned on so there are no concerns about the driver forgetting to turn it back on again.
- Reversing Alarm. The reversing alarm is supplied with a Kill Switch which will disable it until the next time the ignition is turned on.
- Rear Camera with SUZI cable (20m to camera, 3m SUZI, 10m to monitor), Blind Spot Camera with 7m cable, 7" Monitor with 10m cable and Recorder.
- Reversing sensors with in-cab display and buzzer. The reversing sensors are designed to be on top of or underneath the bumper of the vehicle.