

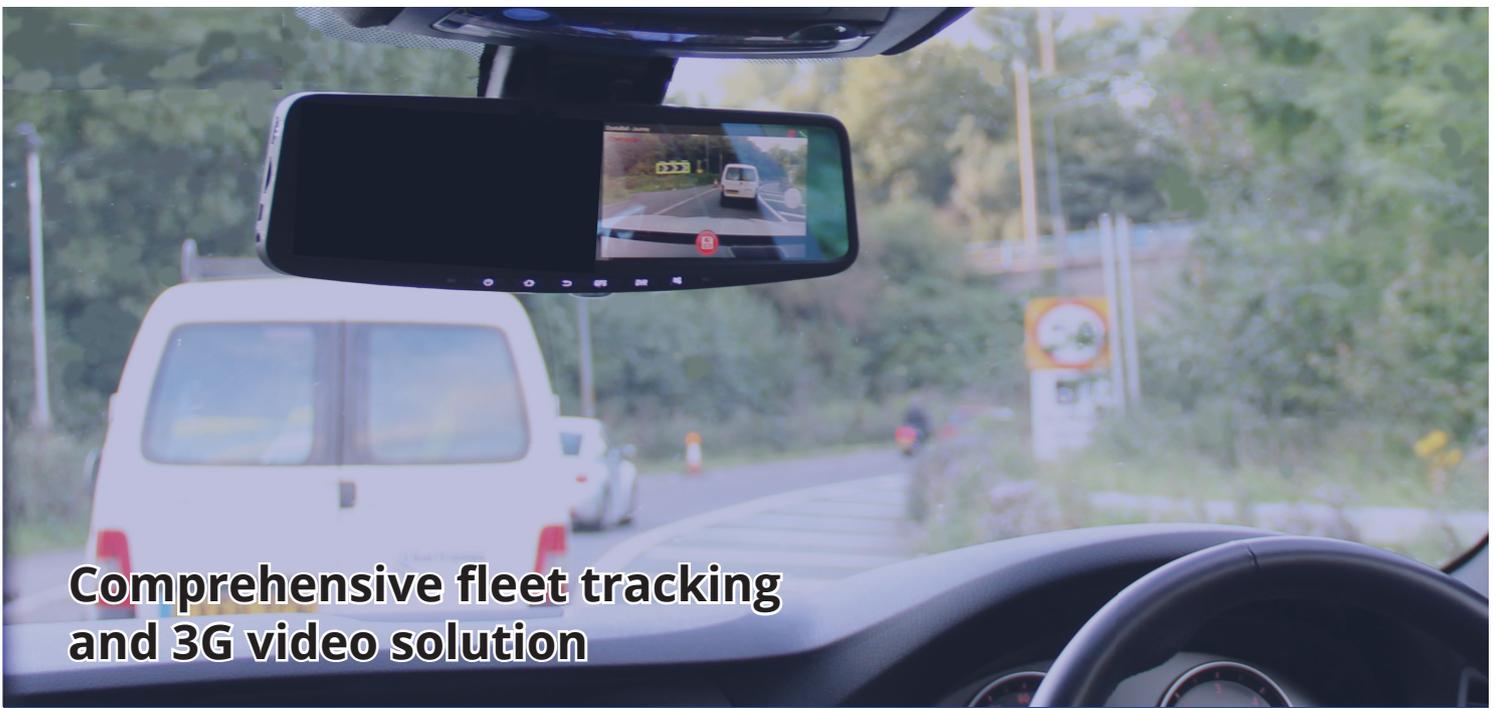
VISION | corporate services



SmartCam Pro

Fully Integrated Fleet Tracking
and 3G HD Video Solution





Comprehensive fleet tracking and 3G video solution

What is **SmartCam Pro**?

SmartCam Pro is Crystal Ball's latest innovative product delivering a comprehensive fleet tracking system with a completely integrated 3G HD video solution, ideal for fleets of all sizes. The **SmartCam SC700** device incorporates the following key technologies; GPS, HD video camera, 3G connectivity, Android touch screen and Bluetooth to provide a unique future-proof solution in the market.

At the heart of **SmartCam Pro** is Crystal Ball's integrated **FleetTracker** solution, an established gps fleet tracking system launched in 2008 and used by thousands of SME's and local government in the UK today.

SmartCam Pro provides HD 1080p video recording quality to help businesses assess and improve driver behaviour and also provides invaluable evidence in respect of any insurance claims, as well as offering many other important benefits. The accelerometer on-board the **SmartCam SC700** device detects significant changes in g-force to generate automated video events, which are immediately uploaded to the Crystal Ball admin portal and Manager App, using the device's 3G connectivity. Drivers are also able to record manual videos, as and when required.

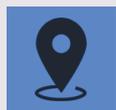


Videos provide First Notice of Loss (FNOL) within seconds to allow for rapid management of claims and controlling cost in the event of "at-fault"

The SC700 device incorporates a 5 inch Android touch screen display which allows the **SmartCam App** to provide a comprehensive driver behaviour feature, to help businesses improve fuel savings and wear and tear on company vehicles. In addition fixed speed camera alerts help to protect employees valuable driving licenses and promote safer driving.

Finally, the security of our customers data is of paramount importance and the admin portal is fully protected with SSL technology, which is used by most major organisations when processing sensitive data over the internet. In addition our systems are located in UK based data centres providing us with the necessary system resilience to guarantee a 99.95% uptime through our Service Level Agreement to all our customers.

SmartCam Pro key features:



GPS

SmartCam Pro integrates Crystal Ball's **FleetTracker** solution, a comprehensive and established gps fleet tracking system used by thousands of SME's and local government in the UK today.



3G HD Forward Facing Video camera

SmartCam Pro provides excellent HD 1080p video recording quality. Videos are sent to the Crystal Ball System over the 3G mobile network and can be viewed within the admin portal and Manager App in real-time.



Accelerometer

SmartCam Pro's accelerometer detects significant changes in g-force to generate automated video events which are extremely useful in understanding and improving employees driver behaviour as well as providing invaluable evidence in respect of insurance claims.

Please note: SmartCam Pro will not generate videos when a vehicle is parked and the ignition is off and otherwise where no significant g-force has been detected.



Android Operating System

The **Smartcam SC700** is a future-proof Android smart device with a 5 inch touch screen display, which can also have 'dim mode' enabled as and when required.



Driver Vehicle Checklist

HSE recommend daily vehicle checks for company vehicles, failure to do so may result in serious implications to businesses. **SmartCam Pro** provides paperless vehicle checks ensuring compliancy and duty of care to your employees.



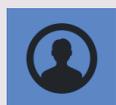
Driver Behaviour

SmartCam Pro improves driver behaviour by warning the driver with visual/audible alerts if they exceed the speed limit. Company administrators can also be alerted through the admin portal.



Speed Camera Data

SmartCam Pro warns the driver with visual and audible alerts when approaching a fixed speed camera.



Driver ID

Employees can log into **SmartCam Pro** with their username and pincode in order to identify themselves as the driver and verify business/private mileage accordingly.



Bluetooth Hands-Free Car Kit

SmartCam Pro provides a bluetooth enabled hands-free application allowing users to make and receive calls by pairing their mobile to the SC700 device.

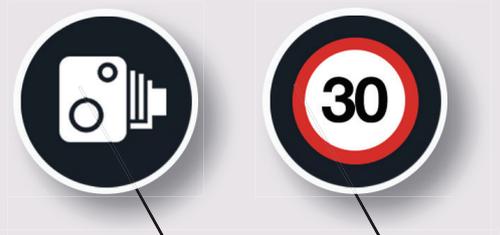
How **SmartCam Pro** can help your business:

- ✓ Manage and improve poor **driver behaviour** with **event-generated videos**
- ✓ Improve **driver behaviour** to increase **fuel savings** and reduce vehicle **wear and tear**
- ✓ Improve **fleet/driver productivity**
- ✓ Help safeguard employees **driving licenses**
- ✓ Protect your fleet against **vehicle misuse**
- ✓ Differentiate between **business** and **private** journeys
- ✓ Address **Duty of Care** legislation
- ✓ Provide video evidence for **insurance claims** and **reduce claim processing times**
- ✓ Protect your **no-claims bonus** and ensure **insurance premiums** don't increase
- ✓ Protect yourself against **crash for cash scams**
- ✓ Comply with **HSE regulations** by providing employees with paperless **vehicle checklists**



SmartCam Pro's Driver Behaviour:

The following Driver Behaviour features are completely configurable for each driver by the company administrator through the admin portal:



Visual and audible speeding alerts



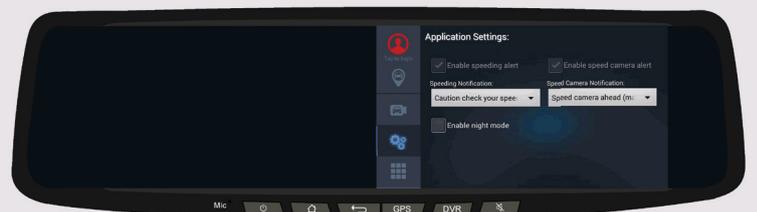
Visual and audible fixed speed camera alerts



Speeding thresholds



Visual speeding and speed camera alerts will display within the **SmartCam App** if exceeding the speed limit or approaching a fixed speed camera



Audible speeding and speed camera alerts can be configured by the user on the device within the **SmartCam App**

SmartCam Pro Video Events:



New Videos

Manual and event-generated videos are uploaded to the admin portal and Manager App immediately after they are recorded. Each video displays the time, date and location at which it was generated along with the speed of the vehicle. Videos are categorised by Event Type; Low, Medium, High Severity or Manual, and can be filtered by this in the search criteria. Once a video is received company administrators have the ability to:



Analyse Metrics

Metrics provides a graphical representation of the gravitational/rotational forces being experienced by the vehicle leading up to and including the event. This technical data footage can be used to obtain a clearer understanding of the incident.



Download a video

Company administrators can download and save any important video to their own desktop/PC for future reference.



Share a video

Company administrators have the ability to share videos immediately with third parties.



Flag a video

Flagging a video allows company administrators to search and filter by flagged videos allowing important videos to be found and viewed easily at a later date.



Remove a video

Company administrators have the ability to remove videos from their account if they no longer wish to keep them.



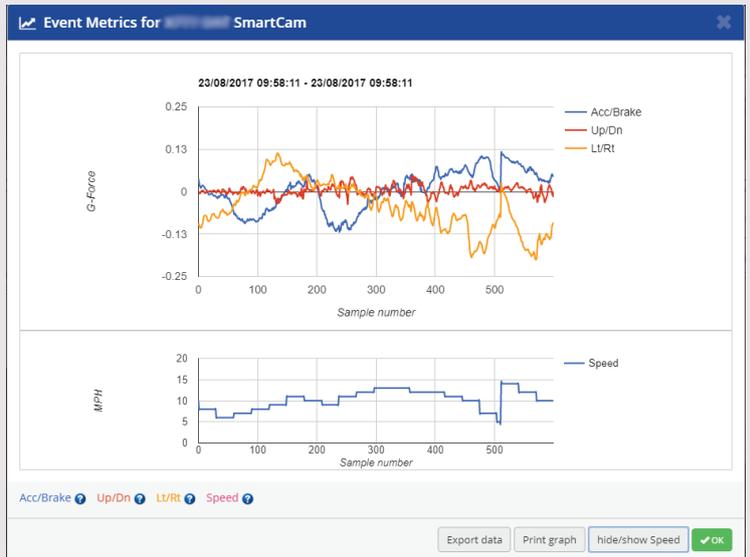
Configure alarms

Company administrators are able to configure alarms for videos and be alerted by email when certain video event types have been recorded i.e. high, medium, low severity or manual. Alarms can also be configured to alert users if videos have been recorded during specific time frames.



View in the Manager App

Videos can also be viewed within the Manager App, our mobile device friendly version of the admin portal, available across all operating systems and smart devices, ideal for senior management and directors.



Event metrics identify acceleration/braking, cornering, vertical motions, and the speed of the vehicle during the event.

FleetTracker key functionality:

Listed below is just some of the key functionality FleetTracker offers:



Dashboard

"At a glance" dashboard can be bespoke by each company administrator by selecting the appropriate widgets depending upon the data most relevant to them. The data within the widgets can then be drilled down to provide a more detailed picture.



Reports

An extensive reporting suite allows company administrators to access reports as and when required, including the facility to schedule certain reports which can be automatically sent to specific recipients at predetermined times. One of the key reports is the Timesheet report which can also be scheduled and is extensively used by fleet and finance management, for example, when understanding staff productivity, overtime claims and differentiating between business and private journeys.



Alarms and alerts

A comprehensive alarm suite allows management to configure alarms against various key events, for example speeding, entry and exit of geofences, videos and many more. Management are notified by email alerts when alarms are triggered.



Share

Share live locations and journey history securely with third parties to provide them with more information and strengthen their confidence in your service.



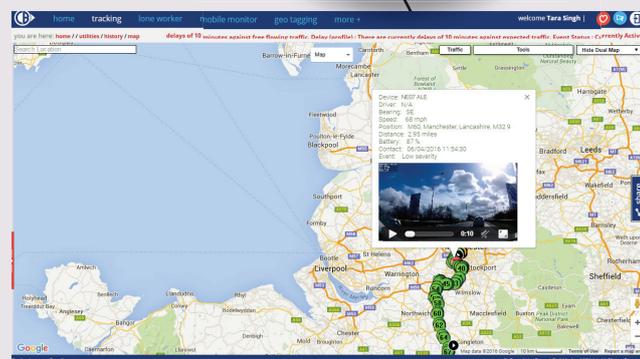
Geosearch

An extremely useful tool for company administrators allowing them to search by any specific location and timeframe to immediately understand which vehicle/s have driven through. Ideal for instances, for example, when verifying third parties claims against damage/ incidents involving company vehicles.



Geofences

Geofences are virtual geographic boundaries which can be drawn to fit any specified location to record when vehicles have passed through or ended their journeys at the geofenced location.



Journey Playback

Replay a specific vehicle journey to understand at a glance the route taken. Colour coded icons display speeding/idle events and embedded "play" icons denote where a video was recorded, which can be viewed and played within the snail trail to understand the context of any incident/event. Journey playback can be viewed in both the admin portal and Manager App.



System Heartbeat

FleetTracker offers complete peace of mind by providing an hourly system heartbeat when the vehicle is not in journey, confirming the location details 24/7/365.

SmartCam SC700 specifications:

Category	Item	Specification
Chipset	CPU	Quad-core 1.3 GHz
	Operating System	Android
	Band	GSM 850/900/1800/1900 WCDMA 850/1900/2100 HSPA+(21Mbps) EDGE GPRS
Function	DVR	Full HD forward facing 1920 x 1080p
	GPS	Supported with built-in antenna
	Bluetooth	2.0, enabled hands-free car kit
	Mobile Network	3G Supported
	Wifi	802.11 b/g/n Frequency 2.4 GHz
	Dim Screen	Supported
Hardware	LCD	5 inch touch screen Resolution 960 x 540 pixels
	Lens	140° wide angle
	Accelerometer	Supported
Size	Dimensions	334 x 115 x 64 mm
	Weight	383g
Power	Voltage	2A,DC12V (voltage dropper required with DC24V)



By pressing the Power button on the **SmartCam SC700** device, drivers can enable 'dim mode' allowing for full rear-view display as and when required. Even when in 'dim mode' the **SmartCam SC700** device will continually record data and provide audible speeding/fixed speed camera alerts.



Vehicle & Asset Tracking



Mobile Tracking



Lone Worker Protection



Field Service Management Apps



Real-Time Video Footage

Established in 2008, Crystal Ball's vehicle tracking, lone worker protection, and mobile tracking solutions, are adopted by private and public sector organisations across the UK, Europe & Asia - supporting thousands of mobile workers around the world.

Our Customer Promise

Crystal Ball's service level agreement delivers peace of mind to our customers, assuring them of maximum uptime and unparalleled support.

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