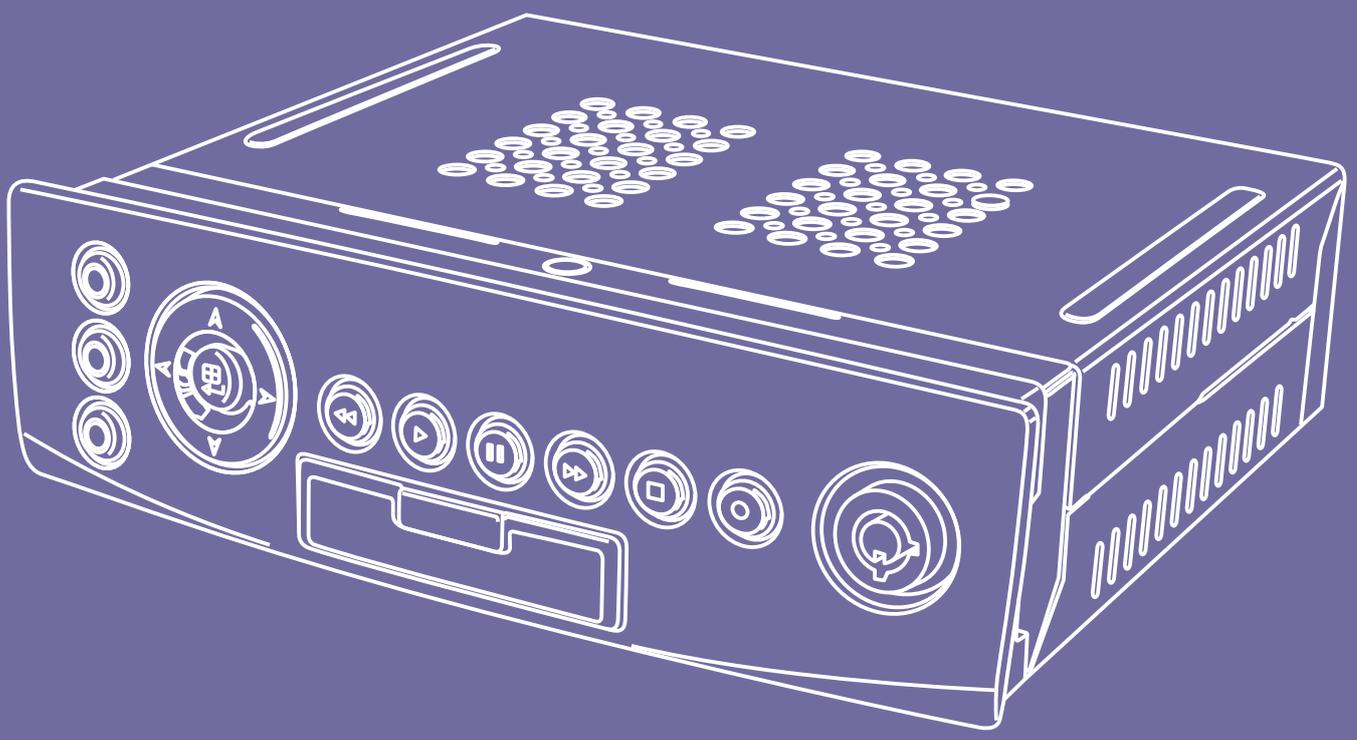
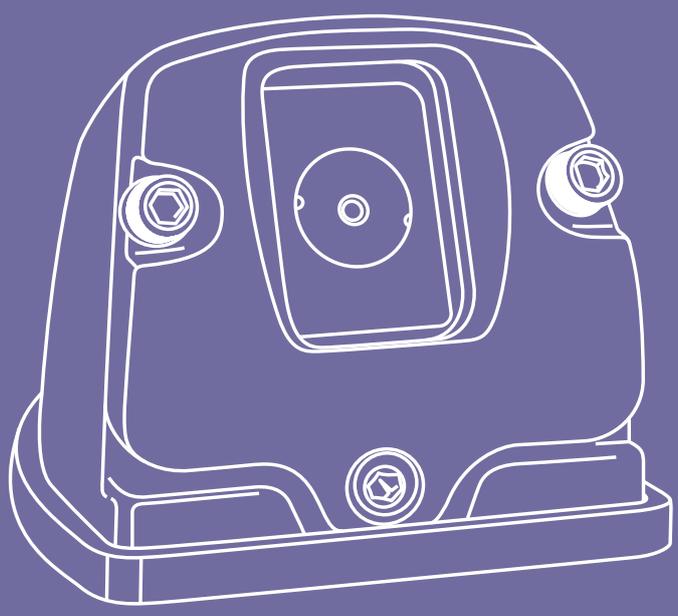




# Vehicle Safety Solutions



# Mobile Digital Recording



# Mobile Digital Recording

**Protecting your driver.  
Providing your witness.**

## What price a reliable witness?

Insurance claims and vehicle accidents are common issues for transport managers to resolve, but in today's increasingly litigious society there are new, more costly problems to deal with. False claims, crash for cash and shrinkage are costing businesses millions each year. A lack of evidence is leading to many out of court settlements, but these have only fuelled an increase in cases against those operators – who quickly get known as a 'soft' target for further similar claims. Add to this the issues of vandalism and attacks on drivers and the job of the transport manager becomes evermore difficult.

**A well known international logistics and distribution company are the subject of £10m worth of claims every year - £6m of this is paid unchallenged**

**A well known fresh foods and grocery supplier has a fleet of 200 vehicles. Their statistics show that:**

- **£90,000 is the annual cost paid to people who claim to have been injured.**
- **£120,000 is the annual cost paid in insurance claims of drivers accused of causing damage to property.**

**Liability for broken door mirrors is accepted on a daily basis by local authorities and large companies who have no way of disproving a false claim.**

## Why fit a mobile digital recorder?

By recording footage from vehicle mounted cameras, mobile digital recording offers the solution. It provides an accurate witness, giving irrefutable evidence in the case of false claims, crash for cash incidents or vandalism. Refuting these claims means companies can make major cost savings, whilst importantly supporting their drivers, who are often the subject of increased scrutiny.

- ✓ Prevent false insurance claims such as 'crash for cash' scams
- ✓ Protection for drivers who may be wrongly accused
- ✓ Provides irrefutable evidence in the case of accidents and legal proceedings
- ✓ Useful in reducing shrinkage and catching perpetrators
- ✓ Encourages driver best practice, so less vehicle damage and accidents
- ✓ Enables more effective driver training
- ✓ Vandalism deterrent
- ✓ All the above helps to lower insurance premiums
- ✓ Peace of mind for passengers and drivers



# Mobile Digital Recording



MDR-304 removable caddy and shock-proof mounting

Brigade's intuitive, affordable Mobile Digital Recorder captures real time footage from up to four vehicle mounted cameras. Optional GPS offers vital additional information such as vehicle location and speed.

Simple to install, data access is simple yet secure. The lockable hard drive is easily removed by authorised personnel for connection to PC or laptop for data download and interrogation.



## Recording

- Records real time footage from up to 4 cameras
- Optional GPS logs time, date, location and speed - useful evidential information in case of a claim or incident
- Optional G-force sensor provides useful impact data in case of collision
- Recording triggers:
  - Four trigger inputs (such as doors opening, selecting indicator or reverse gear) can either activate recording or flag the trigger input on the recording
  - Motion detection with selectable sensitivity can activate recording - useful for surveillance when vehicle unmanned or driver sleeping in cab
- 4 selectable levels of image quality
- Record at between 2 and 30 frames per second
- MPEG4 image compression allows high quality image resolution
- Hard disk records up to 780 hours of footage
- Record images prior to trigger activation and after vehicle turned off to ensure events are captured in full
- Can record audio from auxiliary input

## Data download and playback

- Data access is simple yet secure, meeting requirements of rules of evidence for legal use in court
- Easy play back:
  - In cab: If a monitor is present this can be useful for reviewing a recent incident or driver training
  - Externally: Having removed the caddy from the vehicle, footage can be viewed on a TV using video and audio inputs or on a PC using the USB 2.0 connection
- No subscription fees for viewing software
- Simple to use HDD viewer software enables search of recorded video and export of critical moments to AVI video or static JPEG files
- Images, short video clips and information can be stored on an SDHC card, without removing the caddy from the vehicle
- Download data to PC faster than previous model via high speed USB 2.0 interface



Easy to operate software. Convert footage to AVI clips or JPEG files



Monitor



Internal camera



Rear view camera



Side view camera

## Camera Input

- Compatible with Brigade's wide range of camera monitor systems including rear, front, side and internal cameras
- Compatible with most other camera systems

## Monitor

- Provides driver with all or some of the camera images in real time to aid visibility and manoeuvring.



Actual footage as viewed using the viewer software. Rear, front, left and right side cameras.



Image viewing options

G Force

Trigger - if activated

Time and date

Speed of vehicle

Location

Recorded journeys

Location on Google maps

## Squibb Group Demolishing Accident Claims



Squibb Group has become a major global force across the demolition and dismantling sectors. With a large fleet of vehicles, each costing around £90,000, Transport Manager, Danny Nolan, needed to find ways to protect his investment. He explains: "Insurance premiums are ridiculously high and we wanted to find a way to reduce accident claims".

Brigade's mobile digital recorder was fitted to the vehicle of Squibb's most careful driver who had never had an accident through fault or non fault. It was presumed there would be few incidents recorded. However for the first time in his career at Squibb, the driver had a collision. He was adamant that he was not at fault but wasn't entirely sure how it had happened.

"I saw the car come around the roundabout. It was in the left hand lane to the services whilst I was in the middle lane to go straight on. I heard a clonk on the nearside. It all happened very quickly. I got out and the driver asked me what had happened. I explained she had driven in to me and she disputed it. I explained that it didn't really matter because the vehicle's cameras would have recorded the entire event. I don't think she believed me."

The lorry had a damaged step and the car was significantly damaged on the front door and back quarter.

The footage was reviewed back at head office, which clearly showed the car driver was at fault. Danny Nolan said "It is encouraging to know that Brigade's MDR is helping to protect us. I sent the footage straight to our insurers. In the best case scenario even with a witness, this type of accident would normally be deemed as knock for knock, costing a total of £5000, without considering legal costs. The MDR has already paid for itself".

Cost benefit analysis on knock-for-knock basis:

- Damage to step £1000 supply and fit
- Vehicle downtime for 2 days £2000
- Vehicle hire for 2 days £1000

**"I think insurance cover will be a struggle in the future for operators without these systems. Digital recording systems are a necessity".**

Danny Nolan  
Transport Manager at Squibb



## Rubbishing False Claims at Ashfield District Council

The daily working round for drivers of refuse trucks is fraught with difficult manoeuvres in snug residential streets with car mirrors literally inches either side of the vehicle. Added to the mixture is the usual chaos of the morning rush hour and the school run. Driving such a huge machine in these circumstances requires particular skill.

Yet despite the experience and skill of refuse drivers, and trucks equipped with blind spot aids and sensor systems, Ashfield District council were receiving complaints of damage to parked vehicles.

Whilst the council doubted the honesty of many of the accusations, they had no evidence to prove the contrary. That is until they installed Brigade's mobile digital recording system (MDR).

Transport Services Manager, Ashfield District Council, David White explains: "The MDR helps us decide whether it is or isn't the fault of the driver. It actually makes the driver's life easier because he hasn't got to come and justify himself, as we already have it on film."

The compact hard disk recorder is connected to four cameras fitted on the vehicle, recording up to 780 hours of footage. It can simultaneously record real time images with data such as time, date, location and speed, providing irrefutable evidence. The MDR can be connected to a computer and played back on the viewer software.

**"The system has been invaluable on a number of occasions where we have been able to disprove claims, saving the council a great deal of money."**

David White  
Transport Services Manager, Ashfield District Council



To order or for more information on  
Brigade's vehicle safety solutions;

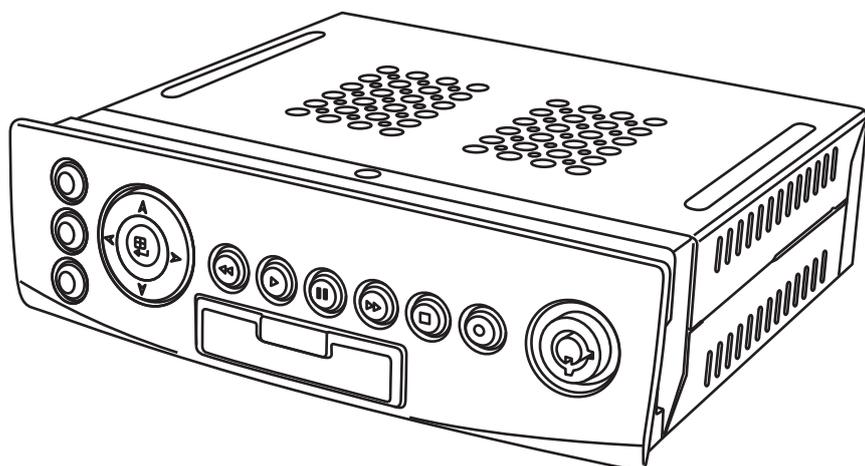
 **brigade-electronics.com**

 **+44 (0)1322 420300**

or visit your local stockist

Brigade's extensive portfolio of machine safety systems includes:

- **Camera monitor systems**
- **'White sound' reversing and warning alarms**
- **Pulsed radar obstacle detection systems**
- **Mobile digital recording**
- **Ultrasonic obstacle detection systems**



**Head Office**

**Brigade Electronics Plc**  
**Brigade House, The Mills**  
**Station Road, South Darenth**  
**DA4 9BD United Kingdom**  
**Tel: +44 (0)1322 420300**  
**Fax: +44 (0)1322 420343**

**email: [sales@brigade-electronics.com](mailto:sales@brigade-electronics.com)**  
**[brigade-electronics.com](http://brigade-electronics.com)**

**USA**

**Brigade Electronics Inc**  
**Tel: +1 (610) 826-7870**  
**Fax: +1 (484) 229-0088**  
**email: [infousa@brigade-electronics.com](mailto:infousa@brigade-electronics.com)**  
**[brigade-inc.com](http://brigade-inc.com)**

**France**

**Brigade Electronique Sarl**  
**Tel: +33 (0) 2 23 61 08 97**  
**Fax +33 (0) 2 23 61 08 97**  
**email: [info@brigade-electronique.fr](mailto:info@brigade-electronique.fr)**  
**[brigade-electronique.fr](http://brigade-electronique.fr)**

**Italy**

**Brigade Elettronica srl**  
**Telefono: +39 (0) 55-245943**  
**Fax: +44 (0) 1322 420343 (servizio clienti)**  
**email: [info-italia@brigade-electronics.com](mailto:info-italia@brigade-electronics.com)**  
**[brigade-elettronica.it](http://brigade-elettronica.it)**

**Germany**

**Brigade Elektronik GmbH**  
**Tel: +49 (0) 4321 555 360**  
**Fax: +49 (0) 4321 555 361**  
**E-Mail: [info@brigadegmbh.de](mailto:info@brigadegmbh.de)**  
**[brigade-elektronik.de](http://brigade-elektronik.de)**

**South Africa**

**Brigade Electronika (PTY) Ltd**  
**Tel: +27 (0) 12 644 0137**  
**Fax: +27 (0) 86 718 2775**  
**email: [sales@brigade-sa.co.za](mailto:sales@brigade-sa.co.za)**

**Belgium, The Netherlands & Luxembourg**

**Brigade Electronics BV**  
**Tel: +31 475 44 06 23**  
**Fax: +31 475 49 54 76**  
**email: [info@brigade-electronics.nl](mailto:info@brigade-electronics.nl)**  
**[brigade-electronics.nl](http://brigade-electronics.nl)**

**Spain**

**[brigade-electronics.es](http://brigade-electronics.es)**

