

## Body Worn Video Wireless Solution



### Glastonbury Festival Debut June 2007



Mounted officers were equipped with the wireless video system as well as patrolmen on foot.



Avon and Somerset Police is the first Force to use the Body Worn Video Wireless solution developed by Reveal Media in partnership with Domo.

The system transmits four digitally encrypted live video feeds and GPS data of the Officer's position back to the Police command centre.

The live video feeds are logged by our M3 software and all evidence from the solid state video recorders is managed by CARMA. Our latest product Mapper, displays the GPS information and incident media onto a dynamic map creating an unprecedented situation overview for the team leaders.

Despite the weather that traditionally dogs the festival, the solution has been a great success and worked superbly even in torrential rain.

Superintendent Adrian Coombs said: ***"We can see and hear everything happening at the scene which will help the police officer in command to direct resources and make decisions about policing options.***

***It's like having an extra pair of eyes on the street. We also envisage it being very useful for evidence gathering during public order situations, football matches and firearms incidents.***

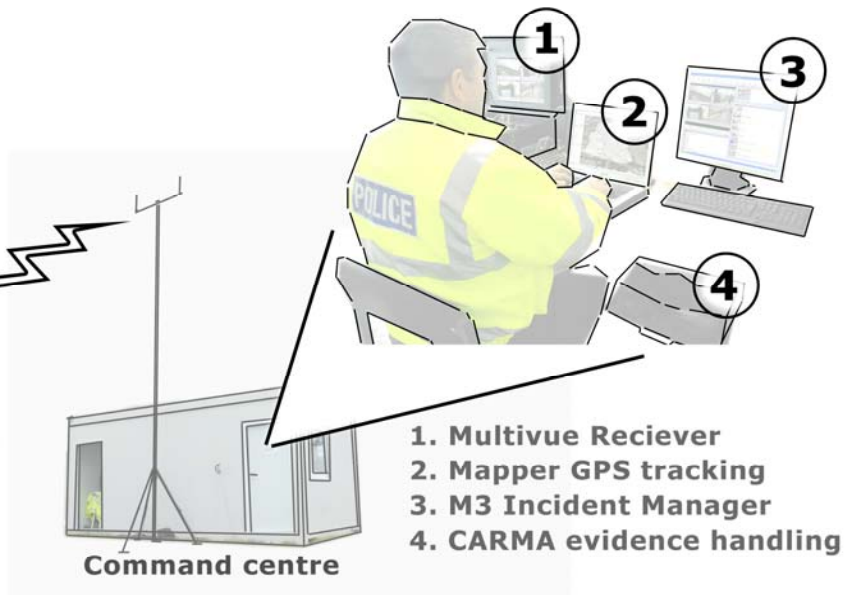
***The system will also be a deterrent to offenders and a reassurance to the general public."***

## The system overview

1. Shoulder camera
2. Transmitter antenna
3. SOLO4 Transmitter



4. Solid state video recorder
5. GPS receive antenna



1. Multivue Receiver
2. Mapper GPS tracking
3. M3 Incident Manager
4. CARMA evidence handling

The Body Worn Video Wireless Solution comprises of a number of software and hardware technologies that we have architected as a complete system to handle an event or incident.

Specially modified Police Jackets house all the necessary equipment and cabling.

A body worn camera (in this case shoulder mounted) is connected to a lightweight solid state recorder for evidence gathering by the officer wearing the equipment. The recorder is in turn connected to a video and data transmitter which encrypts the signal.



A GPS receiver sewn into the jacket receives positioning information which is sent back via the transmitter providing updates every two seconds.

The four separate channels of video and data are received back at the command centre by the Multivue unit which provides monitoring of any or all of the feeds using a split screen.

The video feeds are recorded into our M3 Multimedia Management tool which allows easy logging and reviewing of specific incidents. M3 also caters for any other related material such as still images and scanned documents.

Any recordings made by the officer are managed by CARMA which includes tools to copy source files directly from the camera recording unit, allow Officers to record a log of all incidents attended and search against many criteria including free text, date/time and badge number etc. Each transaction is fully audited in accordance with the Home Office guidance for Body Worn Video.

The integrated DVD creation tool allows easy selection of multiple files and burning to disk. Files can be automatically deleted after a certain period and still images can be grabbed from any video for printing or emailing etc. Automated disc creation add-on takes the manpower out of burning and printing evidence CDs/DVDs

Finally, the live GPS data is mapped onto Google Earth using our latest software Mapper. Each officer's position can be seen at any time which combined with the live feed from the cameras provides a incredibly powerful tool for the situation commander.

Mapper also compliments M3 by allowing any multimedia to be placed onto a map for operation review, training, briefings and presentations.

---

### **Different camera mounting and recording options are available**

**Shoulder.**

**Helmet.**

**Head.**

**Lapel.**

**Utility belt.**

**Rucksac**



---

**The Body Worn Video Wireless solution is available for hire or purchase. Please contact us for details.**

Resources:

Press:

<http://www.avonandsomerset.police.uk/LocalPages/NewsDetails.aspx?nsid=9096&t=1&lid=4>

[http://www.burnhamandhighbridgeweeklynnews.co.uk/display.var.1494185.0.police\\_use\\_new\\_spy\\_cam\\_at\\_festival.php](http://www.burnhamandhighbridgeweeklynnews.co.uk/display.var.1494185.0.police_use_new_spy_cam_at_festival.php)

[http://entertainment.timesonline.co.uk/tol/arts\\_and\\_entertainment/music/festivals/article1969229.ece](http://entertainment.timesonline.co.uk/tol/arts_and_entertainment/music/festivals/article1969229.ece)

<http://www.theaustralian.news.com.au/story/0,20867,21949112-2703,00.html>

[http://www.somersetcountygazette.co.uk/whatson/glastonbury/glastonews/display.var.1494185.0.police\\_use\\_new\\_spy\\_cam\\_at\\_festival.php](http://www.somersetcountygazette.co.uk/whatson/glastonbury/glastonews/display.var.1494185.0.police_use_new_spy_cam_at_festival.php)

Technology:

CARMA <http://www.revealmedia.com/Products/CARMA/tabid/55/Default.aspx>

M3 <http://www.revealmedia.com/Products/M3/tabid/54/Default.aspx>

Special thanks to Avon and Somerset Police's Sean McCreddie and "Chunky"  
Images reproduced by kind permission of Avon and Somerset Police.

0208 892 4947

[www.revealmedia.com](http://www.revealmedia.com)

Reveal Media Ltd. 46-48 London Road, Twickenham, Middlesex TW1 3RJ