



# Get the picture with Mobile Video

The availability of live video information gives complete situational awareness and makes the difference between hearing about events as they unfold and seeing for oneself what is going on.

The usability and range of applications for Remote Video Surveillance can be enhanced by the ability to transmit quality live video over unmanaged networks using low bitrates, providing access from many more locations and empowering the use of security and surveillance equipment by ensuring video traffic is delivered reliably, over even the most challenging network conditions, both to and from remote locations.

Supporting quality video delivery over low bitrate networks, with speeds as low as 9.6kbps (GSM), Vemotion integrates with existing fit-for-purpose infrastructure, such as CCTV cameras, personal surveillance solutions and IT equipment and servers, and is unique in its ability to work with a wide range of third party hardware.

## Situational Awareness

Video over low bandwidth networks can be used to improve visibility of overt and covert surveillance operations. The remote encoder can be sited alongside other equipment, such as within a CCTV van. It can be delivered as a standalone remote deployment unit and provides the ability to beam back images to an existing central control room over public GSM networks, for example. From here, the images can be distributed to key personnel via their existing mobile phones or PDAs, or to other control rooms across the region.



## Operational Support

Vemotion can be located within a vehicle to stream video back to a central control room, giving a live view of what's happening. When personnel get out of the vehicle, a body-worn solution can be switched on to provide a close-up view of the situation. Delivering both a wide angle view of the scene from the vehicle and a close-up view from the body-worn camera improves safety for field operatives.

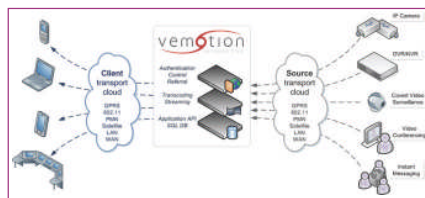


## Decision Making Data

A voice message can convey less information and take longer to convey the situation that a moving picture. With Video over low bandwidth networks remote surveillance CCTV cameras can be rapidly deployed to key locations, or used from surveillance vehicles, relaying accurate information and providing key personnel with the information they need to decide on additional resource requirements or an appropriate response in rapidly changing situations.

## What is Vemotion

There are three key components to Vemotion: the Encoder, the Server and the Remote Clients. The Encoder sends the video images to the Server where they are displayed or integrated with other key applications and then the Server forwards selected messages and related images to the Clients.



The Remote Encoder is a software application that resides on any suitable hardware. This could be a laptop in a car equipped for CCTV, a computer in a CCTV van or at a surveillance point, an ultra mobile PC (UMPC) working with a body-worn headcam device or our specialist standalone Remote Deployment Unit (RDU). The RDU is a remotely deployable battery-operated camera and transmission package where the Encoder is housed in a purpose built military style case with waterproof connections for deployment in even the harshest operating conditions.

The Vemotion software has the flexibility to integrate with solution-based features for specific applications. This could allow remote control of encoders to enable a remote device to stop low bandwidth transmission and then capture and send a high quality image of a specific situation before returning to normal transmission. Other options include the ability to add alerts. For example, SMS messages can be sent to mobile staff advising they have a look at a transmission. Operators can also 'drag and drop' incoming video feeds onto remote mobile handsets to provide an instant view of the most critical information to any location.

## The Flexibility of Software

Vemotion is entirely software based and has the ability to integrate with a wide variety of applications, such as Automatic Number Plate Recognition (ANPR) software, facial recognition software, mapping software and GPS information to locate vehicles or personnel.

The Vemotion video is sent out from the Server to remote operatives or locations over the same network options – the public GSM networks, satellite 802.11 or other IP network or physical radio network. Vemotion actively controls the video encoding parameters according to the conditions available. Encoding parameters can be changed on-the-fly, increasing the number of possible applications and conditions in which the surveillance equipment can be used. The Remote Clients can be a laptop, a mobile phone, a blackberry or a PDA

## Surveillance where bandwidth is not available

Where bandwidth is not available or where rapid deployment of a secure video and network solution is needed, Vemotion can be used in conjunction with a Private Mobile Network ([www.privatemobilenetworks.com](http://www.privatemobilenetworks.com)) to provide immediate, private bandwidth. The PMN can be supplied as a Rapid Deployment Unit or as a fixed infrastructure solution.

**Sounds too good to be true? To book a demonstration of the solution described contact [marketing@vemotion.com](mailto:marketing@vemotion.com)**



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