Vemotion wireless video encoders now include enhanced Vemotion Streaming Protocol

Vemotion Interactive, the leading UK supplier of high-performance wireless video streaming solutions for systems integrators and OEM solutions providers, has updated its range of advanced video software and hardware encoders, to include a new and enhanced Vemotion Streaming Protocol

Now available, the Vemotion Streaming Protocol (VSP), has been designed to further improve the efficiency of Vemotion's GPRS, 3G/4G, Wireless 802.n, microwave link, satellite and broadband streaming technology. Building on the company's market leading minimal latency/high quality streaming technology, the new VSP offers improved efficiency of the video/data stream in normal circumstances but comes into its own when deployed within challenging network environments.

A proprietary protocol developed specifically for live, real-time video streaming, by employing Vemotion's innovative algorithms VSP removes superfluous data transmission messaging that is not required, reducing the amount of data traffic on the network and making more bandwidth available for the video stream. This advanced, field proven Vemotion technology delivers unparalleled streaming HD video quality and all-round streaming performance across a variety of general, and harsh operating environments.

An acknowledged industry leader in its space, Vemotion's VSP reduces the amount of data required to send video from the encoder to the video server, increasing the efficiency of the Vemotion streaming software: allowing better resolution for the same data rate, or the same resolution but allied to lower data costs. The flexibility of the Vemotion software means that users can decide to use the efficiency to increase the frame rate instead of resolution when required, giving smoother PTZ imaging, which is particularly advantageous when tracking a fast-moving object, such as vehicles.

Data and cost savings

On expensive data networks where customers are paying per Mb, Vemotion's highly efficient streaming can save significant amounts of budget on data costs. In addition, Vemotion can optimise a service for the data bundle and situation, so for example, if streaming video is required constantly for a month, the technology can be configured to make sure that it manages to do so within the limits of the data package purchased.

Thanks to optimised and specific Vemotion algorithms, as well as being able to optimise streaming settings to match a network's requirements, saving data, efficient use of a network's bandwidth means that less data is needed for the same image quality. This not only enables savings on data usage when viewing video over any network but can mean the difference between streaming high-quality video, or no image when using latent networks such as satellite.

Ideal for mobile applications such as cameras on vehicles, drones, helicopters and satellite communication links, the new VSP enhances any remote streaming/mobile location application.

Surveillance flexibility

With VSP's high-definition, high quality video streaming, the option to substitute fibre networks for mobile networks can save money and increase flexibility of service. Being able to relocate cameras to target areas and move them again as situations change, unleashes the surveillance cameras' investment. Areas previously out of range of a fixed camera network or in an area of poor coverage can now be accessed for video surveillance and using fewer cameras.

Vemotion's encoders and video streaming technology is compatible with analogue and IP cameras from all the major manufacturers. Being camera agnostic enables users to further extend the capabilities and lifespan of their existing equipment. In addition, unlike with standard or off-the-shelf wireless video transmission systems, Vemotion's streaming video technology has been specifically developed to suit low bandwidth or unreliable network conditions, such as satellite or cellular networks.

"The new Vemotion Streaming Protocol not only improves the efficiency of the video stream in normal circumstances, but even more so when the network is challenging, dealing with drop out and restarts, or very slow and congested networks with ease," says Steve Haworth, CEO at Vemotion. "Partner friendly, Vemotion technology can greatly enhance the value of video networks and OEM solutions. As a business, Vemotion is agile and works to innovate with customers to secure successful video surveillance solutions."

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For further information about Vemotion's range of high performance wireless video encoders, Vemotion can be contacted on Tel: +44 (0) 330 397 2796, email: info@vemotion.com, or visit www.vemotion.com