

The Vemotion logo is displayed in a bold, red, lowercase sans-serif font. The background of the top section features a close-up of electronic hardware, including a black heat sink, a DVI port, and several BNC connectors, with a blue light streak running horizontally across the middle.

vemotion

More video, less bandwidth

Vemotion prevent unauthorised video leaks with secure streaming

Vemotion Interactive, the leading UK manufacturer of low-latency, high-performance, plug & play live video streaming solutions for systems integrators and OEM solutions providers, is promoting its highly secure streaming solution for those looking to prevent cameras from communicating with unauthorised third-party servers.

A large, stylized graphic of a camera lens dominates the lower half of the page. It features concentric circles in shades of red and blue, with a bright white light source at the center. The lens is set against a dark background with abstract, flowing lines in red and blue, suggesting motion and technology.

Chinese camera



Video leak prevention

Delivering high-quality images combined with extremely low latency, Vemotion's V-TX transmission technology is built-in to their range of encoders, servers, viewers and all-in-one Polecams. Industry-wide, Vemotion is renowned for delivering ultra-low latency coupled with high-quality images transmitted at efficient bitrates, even within the most challenging of wireless (GPRS, 3G, 4GLTE, 5G, Wi-Fi and Satellite), or wired (UTP and fibre) network conditions.

With easy 'plug & play' configuration, Vemotion can stream a range of 6Kbps - 4K quality images, and their encoders vastly improve cyber security for high-end surveillance applications. When deployed, Vemotion software and encoders act as a Secure Video Gateway, to prevent any connected camera from making an outbound connection to an unauthorised 3rd party server.

With Vemotion, any make of camera (UK, European, US or Far Eastern, etc) can be integrated for high-quality streaming, with the reassurance that it will not be able to stream its video or meta-data to an unauthorised external source. In this way, new and existing surveillance camera systems can be protected for use within high-security applications, such as police, military, CNI, etc.

Secure video gateway

Apart from being able to transmit high-quality wireless images, even over low bandwidth cellular networks, it's true to say that the security benefits of Vemotion's streaming solutions are often overlooked, in particular, the role that Vemotion's unique architecture plays to ensure networked cameras cannot deliberately utilise an unsecure outbound connection. This is because cameras connected to Vemotion encoders are completely isolated and managed within a separate network, with no physical access to external networks. The Vemotion encoders connect directly to the cameras, and their video and metadata is re-encoded and encrypted for secure transmission over the public network, using Vemotion's V-TX technology.

Saving, time, money and complexity, with Vemotion, integrators don't need any specialist IT knowledge to configure a complex VPN with which to create a secure surveillance network. This is because Vemotion encoders manage all camera video and meta-data via highly secure, separate connectivity, for the camera network and internet, and there are other proprietary security elements built into the products too. This unique Secure Video Gateway architecture prevents cameras from sending video and meta-data to third-party servers, with the benefit that integrators can also retro-fit Vemotion streaming to existing camera installations, to make them ultra-secure and fit for purpose.

continued overleaf...

No need for a complex VPN

// Vemotion streaming solutions are inherently secure and use a separate connection for uplink, so connected cameras can simply not make an outbound connection," says Steve Haworth, CEO at Vemotion. "Using any Vemotion software or hardware streaming video transmission product, there's no need to configure a complex secure VPN. Vemotion streaming acts like a virtual firewall or 'snoop blocker', to protect end-users from cameras subversively communicating with an unauthorised third-party server.

"As an agnostic video streaming solutions supplier, we don't get involved in the moral discussions sometimes muted about

the probability of backdoor communications embedded into far-eastern manufactured surveillance products, but for those with a genuine concern, Vemotion has a practical solution to tackle any cyber security issues. In short, the deployment of Vemotion streaming solutions can help end-users to secure and protect their surveillance system investments.

"On the point of helping integrators and end-user to secure their surveillance systems, we're currently developing a new, low-cost cyber secure firewall product, that will be a simple add-on to prevent video being leaked on single or multi-camera systems. **//**

For new and retrofit installations, Vemotion streaming solutions are ONVIF compatible and will integrate to any major brand of camera, recorder or VMS platform, such as those from Milestone, Genetec or Synectics, etc.

For further information about Vemotion's anti-snooping Secure Video Gateway and comprehensive range of high-performance, cyber-secure wireless video encoders, servers, viewers and Polecams, Vemotion can be contacted on Tel: +44 (0) 330 397 2796, email: info@vemotion or visit www.vemotion.com

vemotion

Tel: +44 (0) 330 097 2796
Email: info@vemotion.com
www.vemotion.com