

Wavesight

World class remote visual monitoring solutions




Wavestore's technology partnership with Wavesight, a market leading manufacturer of outdoor wireless network communication solutions, provides users with an alternative choice to transmitting live or recorded images over cable or fibre.

Images captured by any type of security camera, including megapixel and HD, can be transmitted with low latency over distances of up to 60Km by Wavesight to a remote monitoring centre where they can be viewed live or recorded for future analysis via Wavestore's video management software (VMS).

The combination of Wavestore and Wavesight provides an ideal solution for remote visual monitoring projects where the engineering and civil costs of laying underground cabling is likely to be prohibitive. Town centre and urban area surveillance applications, as well as mission critical environments such as oil, gas and water utilities, are just a few examples of where a wireless network transmission system can provide a cost effective solution. It also offers a rapidly deployable option for construction sites, public events, traffic management and police 'hotspot' surveillance applications.

Wavesight wireless networking

Wavesight is a worldwide specialist provider of outdoor wireless network solutions which provide a genuine alternative to the expensive, disruptive and time consuming task of 'digging in' cable or fibre for CCTV or other outdoor

Ethernet connections. Featuring extremely high levels of data security, Wavesight's point-to-point and multipoint rapidly deployable wireless systems can transmit high quality video over long distances, whilst the technology is equally suited to data and voice communications applications

Designed for professional wireless CCTV surveillance and Ethernet bridging applications, Wavesight's wireless network solutions utilise a range of technologies, with a choice of licenced or licence exempt frequencies, which deliver transmission bandwidths up to 4Gbps where there is clear line of sight over point-to-point or point-to-multipoint links.



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Wavestore's ONVIF Profile S Conformant VMS open platform can support and interact with a Wavesight transmission system regardless of the video, audio or data source. This means that when Wavesight and Wavestore are specified for the same project, system designers, installers and systems integrators are provided with the flexibility to work with their preferred camera manufacturer and to choose from any combination of analogue, IP, megapixel, HD, HDCctv or 360 degree technology cameras.

Unlimited video storage

Wavestore's PetaBlok storage servers will meet users' requirements, even when Wavesight's wireless networking systems are transmitting vast amounts of multi-channel real time video and data.

Designed to simplify the implementation of even the largest of video surveillance projects, and simultaneously able to record up to 128 channels, PetaBlok servers are equipped with 120 4TB enterprise-grade hot swap hard drives configured in RAID5 or RAID6 arrays. Whilst compatible with all small scale Wavestore VMS solutions, they are ideal for long term, mission critical applications.

Seamless integration

Enhancing Wavestore's ability to work closely with Wavesight to deliver a seamless integrated security solution is WaveSTAR, a key feature of the Wavestore VMS. It offers a fast, safe, multi-purpose translation capability that facilitates the rapid integration of any third party's equipment protocols.

It allows information in many forms and countless protocols to trigger any of the wide range of responses possible in a Wavestore system. These include actions such as controlling recordings, directing PTZ cameras, switching display contents for all or specified users, and e-mailing images and



other information, all using configurable Wavestore 'rules'. WaveSTAR (Sensing, Translation, Action and Response) unlocks the capability to accept alarm or message inputs from third party equipment and extract the relevant data to enable the appropriate action or response to be determined. A wide range of data inputs are supported including UDP messages, TCP messages (binary and textual lines), HTTP messages and Serial port data.

In addition to video surveillance cameras, WaveSTAR can facilitate integration with a wide range of other equipment and systems including access control, intruder and perimeter detection, biometrics, license plate recognition, facial recognition, perimeter intrusion detection, people counting and video analytics.

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