![Wavestore logo - Innovation with integrity]

Datasat Communications

Secure and reliable connectivity

Wavestore's technology partnership with Datasat Communications ensures that live or recorded high definition video surveillance images can be remotely viewed, regardless of the location of the client's site.

Datasat Communications has been delivering secure and reliable global networks to customers for over a quarter of a century. The company has almost unrivalled experience in providing effective communications in the remotest and harshest of environments.

As one of the world's leading independent communications service providers, it creates tailored network solutions based around quality and cost-effectiveness. In order to achieve this level of success, Datasat Communications has invested in its own independent network infrastructure and the company's ability to guarantee the performance and security of its networks is a key reason why it has been specified to provide diplomatic networks to government embassies across the globe.

A combination of Datasat Communications satellite, point-to-point wireless and fibre communication technologies can provide a highly effective and resilient solution to the challenge of transmitting data and audio, as well as video over extended distances and across difficult terrain.

The ability to install an effective surveillance solution in what may be a remote location without the cost and time constraints of a fixed-line infrastructure, makes satellite wireless networking in particular an extremely attractive proposition for many of the mission critical projects which

Wavestore is specified for and which are quite often in hard to reach places.

In addition to offering secure VSAT satellite systems for remote locations, Datasat Communications wireless technologies are designed around innovative Layer 3 architecture that extends the performance, security, manageability and reliability of a network infrastructure. By deploying industry-leading quad-radio wireless routers, the network can use separate radios for application access and wireless backhaul to deliver superior performance to single or dual-radio systems, whilst the latest 802.1x authentication support ensures enterprise-level security.

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" The Wavestore' VMS can support and interact with Datasat Communication transmission solutions regardless of the video, audio or data source "

World class visual monitoring solutions

Wavestore's ONVIF Profile S Conformant VMS open platform can support and interact with Datasat Communication transmission solutions regardless of the video, audio or data source.

This means that when Wavestore and Datasat Communications 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 Datasat'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 Datasat 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 additional 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.

wavestore
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Intelligent, integrated video solutions for any application

Phone:
+44 (0)20 8756 5480 |

Head Office
Wavestore Ltd,
1 The Metro Centre,
Springfield Road,
London, UB4 0LE, UK

Email:
info@wavestore.com |

Visit:
wavestore.com

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