



VIDEO SURVEILLANCE

SATELLITE REMOTE SITE PROTECTION

Video surveillance using Eutelsat Broadband satellite communication services

Remote protection of facilities and environment has become more important considering the increased amount of permanent or temporary un-protected locations in the various industries, but also at governmental and public-service locations. Societies nowadays are more sensitive against intrusion of unauthorized individuals to public- and private facilities.

Remote sites are not always connected in a way that do allow transmission of video surveillance signals to a central control and monitoring location. To properly connect such sites and to provide a reliable and affordable solution, Eutelsat Broadband partners with video surveillance solution provider DVtel. DVtel in conjunction with it's video analytics product offering has designed a suitable remote monitoring solution, that works greatly together with the Eutelsat Broadband KA-SAT satellite.

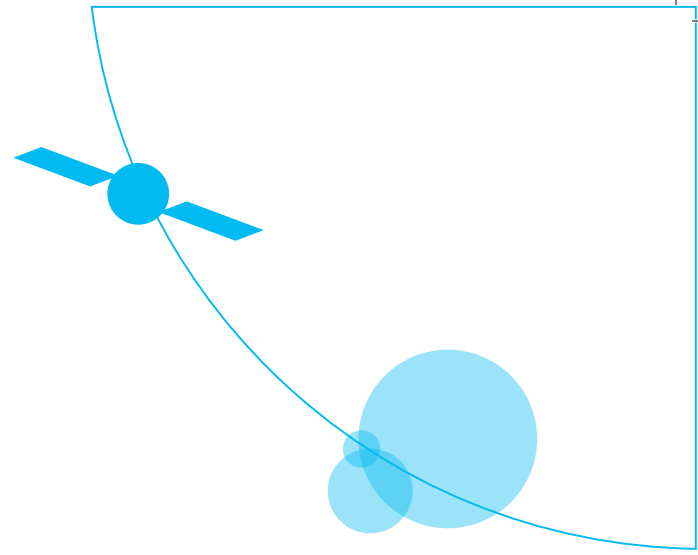
With KA-SAT the High Throughput Satellite from Eutelsat Broadband the first time a commercially viable satellite-based video-surveillance solution is available on the market. Furthermore Eutelsat Broadband offers the needed uplink data throughput capacity to provide good quality video from remote locations. In addition it is possible to provide the service for occasional or temporary use.

Key Advantages

- Affordable, high performance and reliable service
- Speeds up to 22 Mbps
- Availability across Europe parts of North Africa and Near East
- Low cost satellite terminals
- No need for investment into own infrastructure
- Standard or Ad-hoc deployments

KA-SAT offers following options:

- Bi-directional IP-traffic
- TCP/IP and UDP/IP support
- Dedicated or best-effort bandwidth
- Connection to Eutelsat Broadband redundant fibre-ring backbone and POPs
- Tariffs suitable for the video surveillance option
- Voice of IP option
- IP multicast option
- Video Surveillance option
- Static IP addresses



KEY MARKET SECTORS

- Public- and Private Safety
- Utilities/Energy
- Construction
- Off-shore

DEPLOYMENT SCENARIO

The figure below illustrates a generic deployment scenario, where the KA-SAT satellite provides the WAN connectivity between a centralized control- and monitoring centre on one site and the video surveillance system on the other site.

Customers have the choice to make use of any remote video system with either permanent transmission, transmission initiated by intrusion detection solutions or even on demand, when the video system did notify the security personal about an event.

In addition Eutelsat Broadband offers the option for nomadic use, which becomes specifically interesting for public safety organisations like police, civil protection or fire brigades.

The central control- and monitoring centre can be either connected via an open internet connection or with a leased line through a dedicated connection using a network appliance solution.

ADVANCED TERMINAL

- metal box IDU
- 77cm/3W or 120cm/4W ODU
- Dual processor
- Layer 2/3 capability
- 45W electrical power usage

