

## VSAT Solutions for the Security Industry

Servicesat is now proud to announce that its able to provide its extensive services also on the private security sector! For more than 15 years Servicesat has provided its professional experience of two way satellite internet services to military installations in war zones, embassies, medical installations, Oil&Gas platforms, Solar power plants, News agencies, Banks and numerous other companies and individuals.

VSAT (Very Small Aperture Terminal) satellite links can be used in the security sector to provide Reliable, Secure and Very Affordable network connectivity to installations that even terrestrial and/or cell 3G services are very difficult to reach. They can be used to ensure that the security needs for remote management, monitoring, intrusion detection, camera feeds, etc, are satisfied.

### Secure

- Satellite links are encrypted by design with technologies like TDMA, frequency hopping, ip layer encryption and more!
- Their directional nature make satellite links very difficult to intercept and jam, since it at least requires access on the LoS (Line of Sight) between the antenna and the satellite.
- The communication medium is not controlled by a single entity (a company, a government etc) that can interrupt and/or control your communications like in the 'last mile' of terrestrial links and 3G cell services.
- Satellite links are the only true, end to end, connectivity solution that is really secure! Wireless and 3G can be jammed, land lines can be cut, but provided a UPS and a perimeter monitor, its untouchable!

### Reliable

- VSat services have SLA certified availability above 99.95%.
- There is little to no downtime for the satellite links, with the teleports having redundancies on every crucial subsystem just like the satellites they connect to.
- Proven technology with a track record of more than 30 years
- Proper planning (Link Budgets) ensure efficiency and endurance in adverse weather conditions.

### Affordability

- For the featureset that is provided, the price is VERY Good
- Example: To cover the needs for a security system in a PV Solar park with 6 surveillance camera video feeds, infrared sensors, motions sensors, alarm system remote management and telemetry for the plant itself, a monthly service of only 44 euros is needed!

### Coverage

- Satellites have unsurpassed coverage, able to connect, with no hops in between, any two or more points within their footprint, spanning accross multiple countries and even continents.
- Can connect installations unreachable with conventional means like 3G or terrestrial links, like Oil rigs, sea farms, ships in the middle of the ocean, remote locations like Solar parks, Highway Gas stations, etc.

### Applications

- Surveillance Audio/Video one or two way feeds
- Remote telemetry monitoring
- Secure communications
- Can be setup as a main or a backup/redundant connectivity method in conjunction with older terrestrial links and/or 3G for customers requiring redundancy and diversity in the communications medium
- Ideal for security perimeter monitoring in remote locations like Gas stations and PV parks.
- Connect two (point to point setup) or more (star or mesh setup) locations together without the need to pass the traffic through the internet.

