

NATIONAL SECURITY



Satcom for National Security & Intelligence Gathering

The 'Eye-in-the-sky' application, or the monitoring and processing of satellite traffic, is an integral element of national security activities in order to preserve the political, economical and social freedoms, rights and values of a country.

Each bit of intelligence that can anticipate acts of terrorism, international agreement violations or man-made disasters is critical to protect a nation and its inhabitants.

Newtec provides the highest performance receivers in the market for data, video and voice satellite traffic monitoring and processing.

Intelligence and national security agencies need to have the best-performing equipment with the widest range of demodulation and decapsulation options to process video, data and voice traffic over satellite in full detail.

With Newtec, the acquired data remains untouched in the process of demodulation in order to preserve the integrity of the original content.

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Best-of-Trade COTS Equipment

Newtec has a track record of satellite communication equipment installations within national security and intelligence gathering applications around the globe. The experience as +25 year worldwide market leader in applications such as broadcasting, trunking of voice, data and video and government applications over satellite have allowed Newtec to provide the best performing receivers in the market with full flexibility and outstanding quality.



Fit for Data Gathering

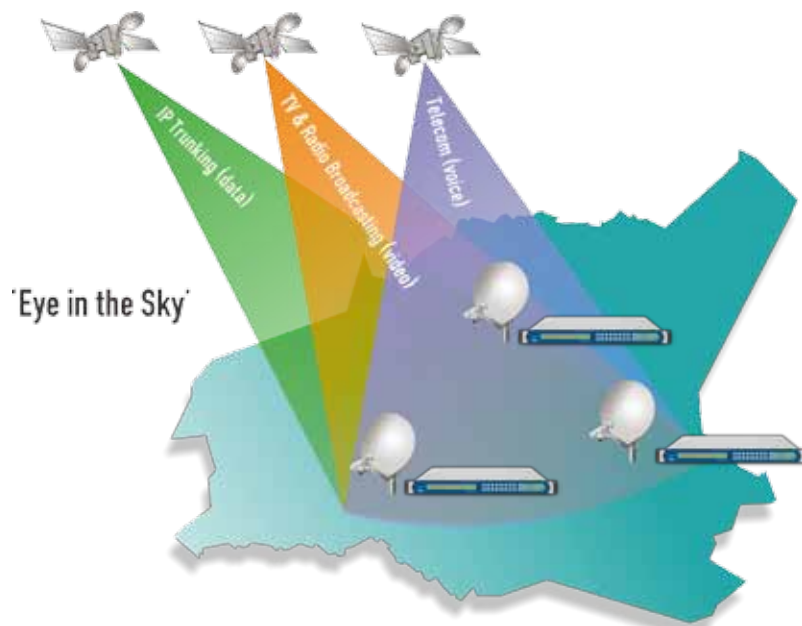
Newtec's product portfolio contains a variety of modulation and demodulation equipment for standard and proprietary communication over satellite for data, video and voice supporting protocols such as DVB-S2, DVB-S, DVB-DSNG, Reed Solomon, Viterbi, TPC and LDPC.

Covering the full spectrum of modcod (modulation and coding) and data rate (from 1.2kbps to 160 Mbps) options for these protocols combined with a set of encapsulation/decapsulation methods (MPE, XPE, GSE, ULE, Base Band Frame, data piping) allows government agencies to efficiently acquire satellite traffic and demodulate the signal for further processing.

In the process of acquisition and demodulation of a satellite signal the raw data remains untouched as PID-filtering and data handling activities can be switched off in the Newtec equipment (no filtering of MAC-addresses). The original Transport Streams are not modified, maintaining the integrity of the original content. Newtec receivers also operate in a mode where the complete carrier is demodulated and have raw baseband data as output which can be further processed by intelligent engines.

Newtec equipment supports the richest variety of modulation, coding, data rate and encapsulation methods in the market (including DVB-S2 CCM, VCM and ACM) for communication over satellite.

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Possibility to switch off data handling and PID filtering activities (no filtering of the MAC-addresses) in the Newtec demodulators to keep the integrity of the original data. All 8192 possible PIDs are transparently passed through for further processing.

Keep OPEX under Control

The rich variety of options within Newtec satellite equipment allows government agencies to keep their budgets under control. No extra units are needed when modulation, rates or encapsulation methods change.

The same unit can demodulate both video, data and voice satellite traffic. Moreover IF (50-180MHZ), L-Band (950-2150) and BUC power options are integrated and compatible with most professional and commercial LNBS-, providing a compact and cost-effective solution.

For further in depth information

Elevation Demodulator Leaflets
Azimuth Demodulator & Redundancy Switches Leaflets
Zenith Modem Leaflet
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