

# Newsletter

## June 2009

Dear Customer,

welcome to our newsletter. This month, we are pleased to present our latest product "Raven", which provides unique protection switching functionality for all MPEG-TS / DVB-ASI signals. Also, here are some significant news regarding atecom's Birdie-16 to come in 2009. If you have any questions or comments, we highly appreciate your feedback at [sales@atecom.com](mailto:sales@atecom.com). Have a look on today's topics.

### Advanced DVB-ASI Protection Switching – the "Raven"

atecom's RAVEN provides advanced DVB-ASI protection switching for any MPEG Transport stream. The 1RU version provides protection switching of up to 3, the 3RU version of up to 8 MPEG streams. Next to packet aligned switching based on failure of an input signal (LOS or LOF), the switching can be triggered also by missing services within a stream. In case of identical, but time-shifted input signals, seamless switching is achieved by eliminating a differential delay of up to 87.000 TS packets (~6s@20Mbps). Furthermore, in seamless mode, the RAVEN can replace corrupted TS packets by the corresponding packet from the other input, reconstructing the original error-free TS. By this unique feature the quality of the output signal can exceed the quality of each individual input. Therefore the RAVEN becomes the ideal solution for any application, where streams are delivered over transmission lines (network or satellite) potentially affected by errors. For monitoring and trouble shooting the RAVEN provides extensive statistics on stream as well as on PID level for all MPEG signals.



### Coming soon..."Birdie-16"

Based on our 2-port success model "Birdie", we will soon offer our customer base a **16-Port ASI-IP adapter for encapsulation and de-encapsulation** of MPEG Transport Streams (MPEG-TS) over IP networks. "Birdie-16" is a full-featured, compact DVB-ASI/IP network adapter with highest DVB-ASI port density. It can be equipped with up to 4 modules, each of them providing 4 x DVB-ASI channels – in total 16 ports. Each channel can be configured as input or output. Full protocol support, including GVRP (VLAN), GMRP (Layer2 Multicast), IGMPv3 (Layer3 Multicast) as well as Pro-MPEG CoP3 FEC allows for operation in any IP network. "Birdie-16" is the ideal IP network adapter for all applications requiring the transmission of multiple MPEG transport streams. Transparent MPEG stream handling and superior clock recovery also supports for operation in SFN applications. Strictly developed according to IETF, ITU-T, DVB, ETSI and all other relevant standards, "Birdie-16" provides the highest level of interoperability with compression as well as network technologies.



# „Raven Demo Days“

## Free-of-charge demo unit application form

Dear Lender,

to participate on our “Raven Demo Days” please fill in this application form and fax it back at:  
+49 2408 95 96 900.

If you have an questions please contact us at [sales@atecom.com](mailto:sales@atecom.com)

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**“BORROWER”:**

Name:  
Position:  
Company Name:  
Company Address:

Contact Information:

Email:  
Fon:  
Fax:

Requested loan period:        weeks

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Date, Signature and Title