



panaccess

Company Presentation

Company

- Visionary experts of DVB Security and Pay TV operation
- Hardware and software expertise
- 13 years conditional access in-depth experience
- Strong and reliable partnerships
- Owned & financed by its founders, no pursuit of institutional strategies

Technology

- Professional CAS
- One-/ two-way DRM
- Broadcast DVB Security
- IPTV/OTT Security
- Chipset pairing
- Copy protection
- Industry leading security, certified by Farncombe

Products

Professional CAS	Professional CA System for DVB/IPTV/OTT
HeadControl	Standard CA System for DVB/IPTV
CableView	CAS configuration, subscriber management
Smartcard	Advanced crypto-controller
Embedded	High sophisticated software security kernel
SpoolNik	EPG/SI Spooler
Cloud DVB Streamer	Content contribution via Internet Cloud

Professional CA System

The Professional CA System uses matured hardware chassis that is easily scalable with any kind of service level. It is designed for huge networks up to 16,000,000 subscribers.

Low entry investment allows a very cost efficient scalability for advanced transport networks. The CAS unit can be operated standalone or under maintenance by the CAS Control Unit that is provided by Panaccess or a CAS Technology operator.

One for all multi DRM solution. Same CAS head-end is able to control any network: satellite, cable or terrestrial and IPTV or OTT TV. Any network, any device, any screen.



HeadControl

The HeadControl is the CAS unit for standard DVB networks. It is designed for small networks below 250,000 subscribers. The HeadControl delivers a secure and state-of-the-art conditional access platform for network head-ends of any type and cluster size.

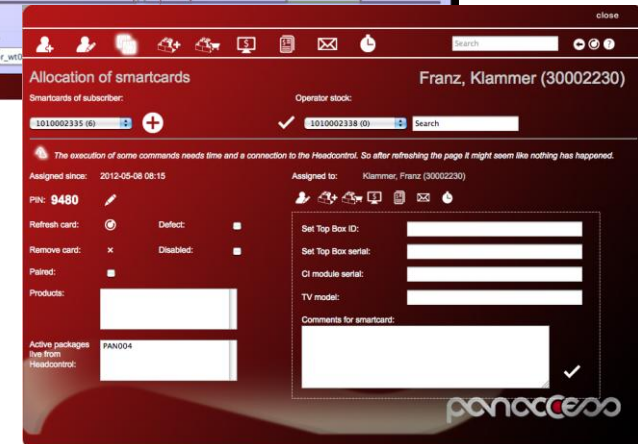
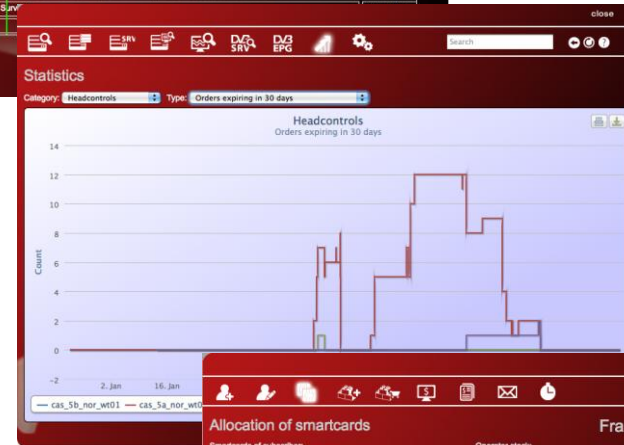
The HeadControl does not need to be configured or maintained. An intuitive and multi-lingual user interface guarantees the plug & play ability. The HeadControl is maintained by the CAS Control Unit that is provided by Panaccess or a CAS Technology operator.

Using DVB Simulcrypt the HeadControl communicates with any scrambler.



CableView

- Intuitive user interface
- System management/monitoring
- Smartcard/License management
- Subscriber management
- Subscriber self-provisioning
- Ticket system
- EPG management
- DVB network management
- Statistic
- Hospitality mode
- User/rights management
- Multi theme support
- Multi language and translator interface
- Statistics
- WSDL (SOAP) / JSON API



Demo Login: <http://www.cableview.eu>
User: demo
Password: demo2010

Smartcard



The smartcard chip of Panaccess is based on a cryptocontroller of NXP. A set of cryptographic features makes this platform very flexible and secure. More than 15 years experience delivers sustained innovation.

In case of compromise already included standby algorithms can be activated.

- ECM/EMM envelope encryption
- Sophisticated key change mechanisms
- Key ageing preventing replay attacks
- Standby algorithms included
- Configurable multi layer key hierarchy
- Multiple sectors, cryptographically independent

Embedded - software CA kernel



Panaccess offers also a CA kernel that is secured by chipset. Depending on device's chipset every level of security can be reached: from basic kernel for cost efficient devices up to a sophisticated kernel secured by high-end chipset.

All CA kernel flavours include standby algorithms that can be activated in case of compromise.

- Chipset pairing with leading vendors available
- Forced individual keys
- Electronic counter measures
- Parallel operation with smartcards
- Optional return channel

Assured security



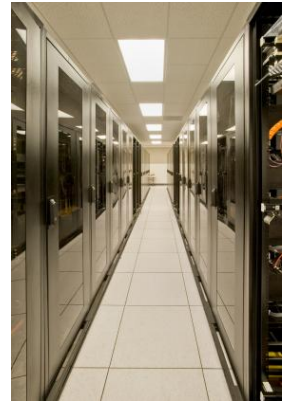
Panaccess' technology has been audited by Farncombe, industry leading security experts.

The card-less CAS solution is recommended for 2 million subscribers on satellite and 5 million subscribers on cable and terrestrial networks.

Worldwide HBO approval of Panaccess is in place.



Integrated head-end vendors



Integrated STB vendors



INTEK DIGITAL INC.



Integration of others possible.

panaccess