Interactive TV experience

Panaccess delivers an Internet protocol based conditional access solution for advanced IPTV providers. True two-way security through authentication handshake and strong encryption takes your Digital TV services to the next level. With security on chip the client device's chipset wafer is the security dongle in order to protect Digital TV revenue.

Unicast/Multicast Content
Panaccess’ security architecture securely delivers unicast and multicast content to the client device. First an authentication process validates the client device and opens a session between CAS and client device. Afterwards the CAS provides client device config, product entitlement download and key downloads. During content streaming a bi-directional communication exchanges control words. Also VOD purchases and product downloads are exchanged.
Any content source can be used for broadcast TV. Video on demand provides an interactive entertainment experience to the guests.

A high sophisticated security concept secures return on investment and prevents fraud.

Any network can be used: twisted pair cabling with digital subscriber line (DSL/DSLAM) or ethernet. Even coaxial cabling with DOCSIS technology can be used.
Client device features

- Chipset pairing, security on chip
- Linear TV & Radio (IP-multicast)
- Webradio
- Multimedia Player
- Video on demand (IP-unicast)
- Near video on demand (IP-multicast)
- Electronic Program Guide (EPG)
- Personal video recorder
- Time-shift
- Parental control via PIN request

Hybrid mode with DVB-T/C tuner available:
- Combined channel list with DVB-T/C and IP channels

Optional:
- Internet browser
- Youtube, Flickr, Twitter, etc.
IPTV CAS Solution

Client software features

- SDTV/HDTV
- Linux/OSX/Windows
- Linear TV & Radio (IP-multicast)
- Video on demand (IP-unicast)
- Near video on demand (IP-multicast)
- Electronic Program Guide (EPG)
- Parental control via PIN request

Separate entitlement messages control software clients. In case of compromise the security concept does not affect overall system security. Client devices with security chips are not affected.
Mobile Devices

- SDTV/HDTV
- Android, IOS
- Linear TV & Radio
- Video on demand
- Electronic Program Guide (EPG)
- Parental control via PIN request

Mobile devices receive service stream provisioning from IPTV CAS. Afterwards consecutive transport stream segments are transmitted over HTTP, each encrypted with an individually generated key. Entitled clients receive corresponding keys for decryption along that HTTP streaming. This gives maximum security to the over-the-top TV operation and delivers an efficient fraud detection.
Intuitive multi-lingual user interface

Demo Access:
http://www.cableview.eu
User: demo
Password: demo2010