

Conditional Access Module

The Easiest Solution for Digital TV's Experience

NEOTION
Innovation Attitude



Embedded CAS :

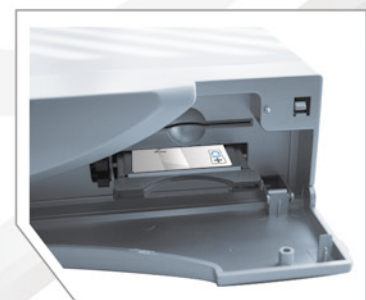
ir.deta

Cloaked CA 2.5

CAM for DVB-CI and CI Plus Digital TV & Set-Top Box !

Powered by NEOTION in-house silicon technology, the **NEOTION Plug-n-Play CAM** enables Digital TV sets (iDTV) and Set-Top Boxes to decode TV programs scrambled with Conditional Access System **IRDETO™** Cloaked CA 2.5 (compatible with lower version).

Inserted in the Common Interface (DVB-CI or CI Plus) slot, **NEOTION CAM** allows customers to simply benefit from the booming emergence of MPEG-4 / MPEG-2 and HDTV channels scrambled with **IRDETO™** on their digital receivers.



NEOTION SA – France
Tel: +33 (0)4 42 98 07 70
e-mail: business@neotion.com
www.neotion.com

*Designated trademarks and brands are the property of their respective owners.

NEOTION IRDETO CAM

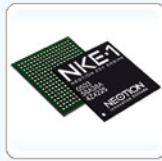
IRDETO CAM

Cloaked CA 2.5

NEOTION CAM

Plug-n-Play TV, DVB-CI & CI Plus CAM:

Secured, small, easy to use, low power consumption.



IRDETO CAM MAIN FEATURES



Stream Type supported

- MPEG-2, MPEG-4, SD and HD
- All Audio Type (MPEG2, AAC, HE AAC, Dolby, etc)
- Private Data
- Teletext

Interfacing

- Plug-and-Play & User Friendly
- DVB-CI high level MMI compliant / CI Plus browser
- Languages: English (more on demand)

Standards

- DVB Common Interface standard and PCMCIA ISO/IEC EN50221 compliant
- CI Plus specification v1.2 compliant
- Smart Card: full ISO 7816-3 (T=0, T=14) compliant
- RoHS compliant - directive 2002/95/EC

OTA

- Upgrade from MPEG transport stream over the air
- DVB SSU compliant

Memory

- On chip eDRAM: 16Mbits
- Off chip SDRAM: 128Mbits
- Off chip Serial Flash: 32Mbits

Security

- IRDETO™ Cardless Conditional Access System embedded (for MPEG-2 or MPEG-4, SD & HD Pay TV services)
- Unique and protected Authentication ID
- Hardware crypto accelerators
- Secure Chipset for application such as pairing (anti card sharing / anti control word sharing)
- On chip OTP
- Copy Protection CI Plus Standard: both AES and DES encryption supported
- Software-Only CAS but with the need to have a SIM card reader as a last resort backup to address issues un-recoverable by OTA software update only

Processing

- ARM7™ @ 126MHz
- 8K I-cache and 8K D-cache
- 8 DVB-CSA descrambler up to 64 PID
- Section Filters - Transport packet filters up to 32 PID

Size, Weight & Power supply

- PCMCIA Type II
- 46g
- 5 volts, from any DVB-CI / CI Plus host

