

Conditional Access Module

The Easiest Solution for Digital TV's Experience

NEOTION
Innovation Attitude



Embedded CAS :

irdeto

**Dual Mode
Softcell 3.11 - CI Plus**

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™** Dual Mode - Softcell 3.11 (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.



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NEOTION IRDETO CAM

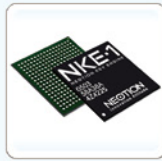
IRDETO CAM

Dual Mode - Softcell 3.11 - CI Plus

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™ Conditional Access System embedded (for MPEG-2 or MPEG-4, SD & HD Pay TV services)
- Unique and protected Authentication ID
- Hardware crypto accelerators
- Dual mode : Secure Chipset or No Secure Chipset mode according to the operator broadcast system settings. 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

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

