

Press Release

SmarDTV to demonstrate CI Plus 1.4 features at IBC 2013

- Upcoming DVB CI Plus 1.4 standard is designed to enable content delivery via IP direct to iDTV using CA Modules for network specific signaling and security
- SmarDTV demonstrates how both traditional broadcast operators (using DVB) and IPTV / OTT operators (using IP distribution) can use DVB CI Plus 1.4 standard to enable secure content protection without the use of a STB
- Broadcasters (DVB-S2, C and T) can use a use a DVB CI Plus 1.4 system in combination with Broadcast to broadband converters (such as SAT>IP) to provide a secure client environment enabled by retail devices such as iDTVs and retail STBs
- IPTV and OTT operators using IP distribution to the home can now directly target CI Plus hosts (iDTV and STB) by using a CA Module

Cheseaux, Switzerland – September 11th 2013 – SmarDTV, a Kudelski Group (SIX:KUD.S) company, today announced that it will showcase some of the possibilities offered to pay-TV operators by the upcoming DVB CI Plus 1.4 standard at the 2013 IBC Show in Amsterdam, from September 13 to 17, 2013.

The upcoming DVB CI Plus 1.4 standard is designed to enable content delivery via IP and therefore allow telco and OTT operators to benefit from CI Plus in exactly the same manner as traditional DVB operators have done to date. CI Plus hosts can be directly connected to operator managed IPTV networks without the use of proprietary STBs.

At SmarDTV stand 1C81, the first showcase demonstrates a broadcast to broadband converter using the SAT>IP delivery protocol to convert satellite broadcast streams to IP for delivery within the home. The client device is a retail STB running the SAT>IP client protocol and using a CI Plus module to enable the security.

SmarDTV's broadcast to broadband converter supports eight concurrent satellite streams and is fully compliant with the SES Astra SAT>IP specifications. The client STB includes an embedded SAT>IP client and implements the CI Plus 1.4 use case routing the incoming IP stream to the CI Plus CAM for descrambling.

"CI Plus V1.4 is designed to enable IP content delivery and using it in the context of SAT>IP delivery makes a lot of sense" said Conor Ryan, Vice-President of Marketing at SmarDTV". We are delighted to be able to demonstrate such a use case with our partners and believe this will accelerate in-home networking using standard retail products including STB and iDTVs".

Also showcased at the SmarDTV stand is a second use case proof of concept powered by the new CI Plus 1.4 standard. It demonstrates the ability of CI Plus 1.4 to enable IPTV in addition to a standard broadcast.

This demonstration utilizes a pre-standard SmarDTV DVB-CI Plus Conditional Access Module (CAM) together with a pre-standards Philips television set supplied by TP Vision and an operator branded IPTV application. This collaboration allows the construction of an end-to-end solution that enables an iDTV to be directly connected to a managed multicast enabled network using CI Plus V1.4 for the discovery, the security and applications that are specific to a given operator. The proof

of concept was designed and coordinated by the Netherlands Organization for Applied Scientific Research (TNO).

In this demonstration the SmarDTV CI Plus CAM is responsible for network discovery and for launching the operator-designed EPG in an OIPF-specified browser. The content is received by the iDTV using multicast IP transmission and would be forwarded to the CAM for descrambling. When combining DVB CI+ 1.4 with specifications from the Open IPTV Forum (OIPF), a fully standardized solution can be built, taking advantage of OIPF's specifications for an HTML-based browser environment, discovery protocols, coding and media formats.

For more information on distribution of SmarDTV products please contact sales@smardtv.com.

About SmarDTV

SmarDTV, a Kudelski Group company, is an international leader in pay television technology. SmarDTV designs and manufactures a large range of Set-Top-Box (STB) solutions and CI / CI Plus plug-in modules which enable access to premium digital pay-TV services whether delivered through broadcast or broadband IP. A founding member of [CI Plus Forum](#), SmarDTV is headquartered in Switzerland with development and sales offices in France, Germany, the USA, China, and Singapore. Please visit www.smardtv.com for more information.

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Note to the editors

SmarCAM is a module relying on the DVB Common Interface (DVB-CI) and CI Plus standards and plugs directly into the TV set to decrypt premium pay-TV content. It is a non-intrusive solution and very simple to install as it does not require any new wires, and is invisible once set-up. It is operated directly from the TV set's remote control to maximise ease of use and does not require an additional remote control. The modules are very energy-efficient for a lower environmental impact.

CI Plus is a technical specification that adds additional security and features to the proven DVB Common Interface Standard. It allows CI Plus compatible consumer electronic devices, such as Integrated Digital Televisions and Set-Top Boxes, to access a wide range of pay-TV services via plug-in CI Plus Modules wherever the CI Plus Technology is supported by the local pay-TV provider. More information on CI Plus (specification, implementation guidelines, license agreement) is available at www.ci-plus.com