Evaluating the security of consumer devices

WE HELP YOU CHOOSE THE BEST
Your DTV operation deserves the best products and the best devices. At Conax, we believe you should be free to choose – without compromising security in any way.
As part of our open consumer device policy, we assist a wide range of Conax STB partners in creating devices with an additional level of security. We also guide our customers in finding consumer devices that suit their operation based on a combination of factors – security, quality, functionality and price. This dual approach means you can be absolutely sure of making an informed decision.

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ITI's focus is on promoting the client devices with the highest level of security for deployment in our network.

Wojciech Bialek  
Technical Operations Director, ITI Neovision

Strengthening the weakest link
Today, consumer devices are the weakest link in the security chain. Low security consumer devices can easily be exploited in the form of card sharing, STB hijacking or illegal redistribution of both live and stored content. So at Conax, we place extra emphasis on security that goes all the way through to the device itself.

Security evaluations
Conax defines detailed specifications to ensure that the security of consumer devices is as robust as possible. The manufacturers then design and implement these specifications and requirements into their products. The result is devices of the highest quality and security available at any given time.

Conax verifies the integrity and security of consumer devices with the help of independent, world-leading security laboratories. We use the data produced by the labs to assign a Client Device Security Level score to each device. The score reflects the difficulty of breaching the security of the device and takes into account the skills, time and equipment required. It is based on two things – the implementation of our security specifications, and the chipset deployed in the device, which is subject to a similar security evaluation.

DVB chipset testing
Conax has also developed a set of security tests and evaluations for DVB chipsets and for similar video chipsets. The tests, run by independent, world-leading security laboratories, verify whether chipsets can work with our advanced security system, Conax Chipset Pairing. This verification is essential, because our security evaluation of devices depends in part on the chipset itself.

We maintain a list of security-evaluated chipsets that work well with our security solutions and make this available to our manufacturing partners to use in their product design. This means that operators can choose from a huge selection of devices offering world-class security.

Boot loader security
We build in added security for boot loaders to ensure that only authorised software can be executed on a consumer device.

No hidden costs
Conax does not charge any license fees or royalties for STBs. This gives you a clear cost structure and means we can offer you independent advice on the selection of STBs.