

DVB REACHES HANDHELD DEVICES IN THE HOME WITH IP

Showcasing Solution For DVB To IP For In-Home Use.

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Geneva – 09 September, 2016 – At this year’s IBC Conference and Exhibition, DVB will be taking the opportunity to showcase the work that it is undertaking to standardize the provision of high-quality content more efficiently to all in-home IP enabled devices.

With the plethora of new devices, such as tablets and smartphones, gaining popularity for the consumption of live broadcast TV, DVB is set to offer a technical solution to reach these devices. In a live demo, a DVB-T2 signal will be converted into IP utilizing a server integrated in the TV. The signal will then be streamed to IP client devices over an in-home network.

Building on the SAT>IP communications protocol for taking live satellite broadcast onto IP networks, DVB broadcast signals can be encapsulated into IP at the point of reception in an IP server. Effectively these IP servers add an IP transport layer and inform the clients about the available services. Any IP device (smartphone, tablet, PC, game console, etc.) with the SAT>IP app can become a satellite viewing client. The principle can be applied to the entire family of first and second-generation DVB transmission platforms (DVB-T/T2, DVB-S/S2/S2X, DVB-C/C2) and managed IPTV transmissions, in other words – DVB->IP. The SAT>IP Alliance and DVB Project are working closely together to make broadcast delivery to handhelds as easy as possible and will look at adding new features.

In a live demonstration 3 HD TV channels are transmitted over a single 8 MHz DVB-T2 multiplex using an ENENSYS modulator. The signal is received directly by a Panasonic TV and an Asus mobile phone equipped with a Sony DVB-T2 chipset. The Panasonic TV includes a SAT>IP Server that informs Client devices about the available services and streams the selected service to the handheld device of the user. DVB-T2 video content (HD H.264) is supplied courtesy of BBC R&D.

“Up to now, indoor reception could be challenging at the best of times. The solution that we are demonstrating here at IBC is an ideal answer for reaching the smartphones and tablets that have become popular methods for watching video,” said Peter Siebert, Executive Director, DVB.

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About DVB

Digital Video Broadcasting (DVB) is an industry-led consortium of broadcasters, manufacturers, network operators, software developers, regulators and others from around the world committed to designing open interoperable technical standards for the global delivery of digital media and broadcast services.

DVB standards cover all aspects of digital television from transmission through interfacing, conditional access and interactivity for digital video, audio and data.

DVB dominates the digital broadcasting environment with thousands of broadcast services around the world using DVB's standards. There are hundreds of manufacturers offering DVB compliant equipment. To date there are over a billion DVB receivers shipped worldwide.

Further information about DVB can be found at: www.dvb.org, www.dvbservices.com and www.dvbworld.org.

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