

GROUNDBREAKING HEVC ENCODED DVB-T2 UHDTV SERVICES ON TVs & MOBILE DEVICES AT BCA

DVB-T2, The World's Most Advanced Digital Terrestrial Transmission System Delivers HEVC Encoded UHD and Mobile TV in a Single Channel

17 - 20 June 2014, Broadcast Asia, Singapore, Stand 5L5-02

Singapore – 17 June, 2014 – This year at Broadcast Asia, visitors to the DVB stand can witness the power and flexibility of DVB-T2. In a groundbreaking demo, DVB-T2 is used to deliver a wide range of resolutions from UHD down to the smaller screen resolutions for mobile devices including smartphones. Using the second-generation terrestrial transmission standard, an HEVC encoded UHD service and a mobile service are being delivered in a single 8 MHz channel.

The UHD service, with content encoded by Envivio, is transmitted using a portable Dektec modulator and is received and displayed on a 55" UHDTV from Sony with built-in HEVC decoder. The mobile service is received on an Aprotech Walka handheld TV with 7" viewing screen as well as on Samart i-Mobile smartphones and tablet, which are some of the first commercially available mobile devices with embedded DVB-T2 receivers.

The mixing of DVB-T2 multiple services in one multiplex is enabled through the use of Multiple PLPs (Physical Layer Pipes), a feature of DVB-T2 that allows for the separate adjustment of the robustness of each delivered service within a channel to meet the required reception conditions. DVB-T2 is currently on-air in 24 countries and has been adopted in an additional 35.

The Broadcast Asia Conference program has a full day session devoted entirely to DVB in Asia & Advanced Broadcast Solutions. DVB experts will provide updates on DVB standards and share their in-depth knowledge. The keynote address is being given by Peter Siebert, DVB's Executive Director on Current and Future Developments from DVB. Other topics being covered are HEVC, UHD, DVB-CI+, DVB-S2X and deploying DVB-T2. In addition there

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will be a panel discussion on DTT Experiences & What are the Key Opportunities. Full conference details can be found on the Broadcast Asia 2014 website.

DVB representatives and technology experts are available on the stand to answer queries and provide information on implementation of all DVB standards including DVB-S2X, the latest edition to the DVB family of standards. DVB-S2X, offers spectral efficiency gains for professional applications by up to 20 -30% and for some scenarios, gains of up to 50% can be achieved. In addition, new operational modes such as channel bonding increase flexibility.

About DVB

Digital Video Broadcasting (DVB) is an industry-led consortium of over 200 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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