

T2 ready

Building on the foundations of the successful DVB-T system, DVB-T2 delivers almost 100% increase in capacity compared to equivalent reception conditions with DVB-T. Broadcasters deploying DVB-T2 will be able to roll out new multiplexes that could offer multichannel HDTV services and create innovative new datacasting opportunities.

DVB-T2 uses OFDM (orthogonal frequency division multiplex) modulation to deliver a robust signal and offers a range of different modes making it highly flexible. It employs the same LDPC (Low Density Parity Check) error correcting codes used in DVB-S2 for excellent performance in the presence of high noise levels and interference. A significant number of highly innovative features such as Physical Layer Pipes, support of Multiple-Input-Single-Output (MISO) and Rotated Constellations are also included. DVB-T2 has been defined so that the standard can be enhanced in the future in a backwards compatible manner through the use of Future Extension Frames.

Background

The DVB Project

The Digital Video Broadcasting Project (DVB) is an industry-led consortium of over 280 broadcasters, manufacturers, network operators, software developers, regulatory bodies and others committed to designing global standards for the delivery of digital television and data services. The DVB standards cover all aspects of digital television from transmission through interfacing, conditional access and interactivity for digital video, audio and data. The consortium came together in 1993 to create unity in the march towards global standardisation, interoperability and future proofing.

DVB dominates the digital broadcasting environment with thousands of broadcast services around the world using DVB's open standards. There are hundreds of manufacturers offering DVB compliant equipment. DVB standards are also widely used for other non-broadcasting applications such as data on the move and high-bandwidth Internet over the air. Further information about DVB can be found at: www.dvb.org, www.dvb-h.org, www.mhp.org and www.dvbworld.org.

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