

TESTIMONIAL

DVB-S2 Modems Facilitate Video Uplink for 2010 FIFA World Cup South Africa



The Fédération Internationale de Football Association (FIFA) is hosting the 2010 World Cup in South Africa. The month long tournament of football matches between June 11 and July 11, 2010, will be played in 10 South African stadiums. This is the first FIFA World Cup ever to be held in Africa, so it is expected to be an international event with great importance to the continent.

Johannesburg will also be the home of the International Broadcast Centre (IBC) for all television operations and the world's news agencies for the 2010 World Cup. The high-tech IBC facility will have a satellite teleport and telecommunications infrastructure, which will support a transmission capacity of 40 Gigabytes per second. A dedicated network will link the ten tournament venues and the rest of the world. The 2010 World Cup will be the first to be broadcast in high-definition television (HDTV) to billions of viewers globally.

SENTECH – PROVIDING THE BROADCAST BACKBONE



Based in South Africa, Sentech is a broadband network business that supplies communication solutions and services to wholesale and retail customers in South Africa and the rest of the continent. As South Africa's common carrier, Sentech literally is the backbone of the Southern African broadcasting complex. They own and operate a large number of terrestrial broadcasting transmission sites that serve most broadcasters in South Africa. Sentech also owns and operates digital satellite transmission systems to provide linking for terrestrial transmitter networks and direct satellite broadcasting services. Satellite transmission for direct-to-user reception is provided for public broadcasting services and provides communications channels used by business and public enterprises for corporate communications, information distribution, datacasting and distance education/training.

In recent years, Sentech embarked on a project to upgrade South Africa's analog broadcasting infrastructure to digital. Sentech's digital broadcasting infrastructure will play a major role in the 2010 World Cup in South Africa.

To facilitate the satellite-based communications between the 10 stadiums where a total of 64 soccer matches will be held and the International Broadcast Center, Sentech chose the DVB-S2 transmission standard and Comtech EF Data's CDM-710 Broadcast Satellite Modems.



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COMTECH SOLUTION

We understand the need to optimize satellite communication links. As a long-time supplier of modulator, demodulator and frequency conversion equipment to broadcasters, our products are installed in 160+ countries. Our broadcast solutions encompass contribution and distribution for various broadcast applications. The products are compliant with key Digital Video Broadcasting standards, such as DVB-S2 and DVB-S, and interoperate with major satellite service providers and key encoding device vendors.



The CDM-710 Broadcast Satellite Modem is based on the latest transmission standard, DVB-S2, and is ideally suited for HDTV transmission. The broad range of modulation and coding formats of DVB-S2 enable link performance optimization – delivering on average 30% greater throughput when compared to DVB-S services. Users can tailor a link for the available bandwidth and power. Whether a link is for Direct to Home or Digital Satellite News Gathering, Contribution or Distribution, there is a format available to suit each application. Offered with either an ASI or Gigabit Ethernet interface, the CDM-710 supports legacy and next generation video encoder / multiplexor platforms. The reliability of the CDM-710 is augmented with a wide selection of redundancy options ensuring that our broadcast clients have the most reliable transmission system available.

The CDM-710 Broadcast Satellite Modems will be used to power the video uplink services between the 10 stadiums and the International Broadcast Center in Johannesburg. By utilizing DVB-S2, the Modems will enable the bandwidth-efficient delivery of the HDTV coverage of this international tournament. Sentech selected Comtech's DVB-S2 Satellite Modems based on a proven track record of supporting leading providers of digital television entertainment services in other regions.

MORE INFORMATION



Sentech is strategically placed to provide networking, broadband and associated value added services. Visit www.sentech.co.za for more information.



Leveraging the bandwidth efficiencies of DVB-S2 and our advanced communications solutions, Comtech EF Data can provide you with link efficiencies, reliability and optimized IP-based connectivity. Contact us to learn more about how our infrastructure products can be integrated into your network to optimize satellite communications. www.comtechefdata.com

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