DCC-4300
GigE to ASI Converter

Chatsworth, CA – April 17, 2013 - KTech Telecom, a leader in Digital Broadcast and Digital Cable technologies launches a new modular IP to ASI converter with Demultiplexing capabilities. The DCC-4300 has a program Demux function with PSIP modification and PSIP insertion capabilities.

There are three (3) slots to accommodate the modules. Each module has a GigE input and 2 ASI outputs for a total of 3 GigE inputs and 6 ASI outputs fully loaded. An RJ45 is available for NMS control via GUI using WEB interface.

Program Demux

Supporting 30 programs max at the input and 15 programs max at the output, the desired programs can be selected from the input that are to be present at the output of each ASI at 19.4Mbps rate for OTA or 38.8Mbps for cable. This is useful when a satellite feed is connected, and it is desired to remove unwanted programs. The sum total data rate at the output of the ASI rate shall be less than 19.4Mbps rate for OTA or 38.8Mbps for cable.

UDP/IP

UDP is used as the host-to-host layer and IP as the internet layer. Unlike transmission control protocol (TCP), UDP is not connection oriented and offers no facilities for sequencing data or guaranteeing reliable packet delivery. The feature makes it faster, simpler, more efficient than TCP, and therefore more suitable for high bandwidth video distribution when combined with RTP.

Pro-MPEG Code of Practice #3

The Pro-MPEG recommends the transmission protocol such as RTP/UDP/IP mapping, a forward error correction (FEC) scheme, and defines issues such as timing recovery, jitter tolerance and latency. Support for Pro-MPEG CoP3 Forward Error Correction generation on selected IP streams (currently up to 4 FEC coded streams) is supported.

Alarms Notifications sent via Email and IM

In the event of failure, the unit will send a notification to the user's email and text message the user's cell phone with the same notification.

User Interface

All settings and controls can be viewed and set using a Web-based GUI and Front Panel Control

About KTech Telecom

Since 1995, KTech has been a manufacturer of professional digital Broadcast and digital CATV Head-End equipment. Its products include 8VSB modulators, Digital receivers, HDTV Decoders, ASI to SMPTE-310M Converters, GigE to ASI converters, 8VSB digital processors and IP products.

For more information, please visit www.ktechtelecom.com