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Ktech Introduces A PSIP Multiplexer

8VSB Off-Air Demod and PSIP Mux demonstrated at NCTC meeting on Jan 26, 04

Chatsworth, CA – January 25, 04 - Ktech Telecom, the leader in Digital Broadcast and Digital Cable technologies, introduced a 2-to-1 multiplexer with the option of PSIP handling and QAM modulation. The model number is MUX-150E. According to FCC mandate, CATV MSO's are required to must-carry and multiplex their local DTV broadcaster's programs into their CATV head-ends and sent in the clear (clear-QAM). With the MUX-150E, CATV head-ends will have no problems addressing the requirements by the FCC and maximizing the use of their cable television bandwidth. MUX-150E is a 1RU 19" rack unit with two independent DVB-ASI inputs, one DVB-ASI output, and an optional 64/256 QAM RF output.

Application

The unit takes in two DVB-ASI inputs of up to 19.394 Mbps each and generates a DVB-ASI output of 38.784 Mbps. With the option of a QAM output, CATV head-ends can reduce their operating cost by directly modulating and up-converting the QAM output to their RF combiner for distribution. This will eliminate any additional equipments and rack space in CATV facilities. Since each DTV program has its own PSIP information, the MUX-150E also re-maps all PIDs, updates the mandatory tables (STT, MGT, EIT, ETT, and CVCT). The update feature is controlled remotely via RS232.

The demonstration of the MUX-150E was given at the National Cable Television Cooperative (NCTC) event in January 2004. The demonstration was given by providing two independent DTV signal in DVB-ASI format into the MUX-150E. The QAM RF output was fed into a LG LST-3100A High-Definition Digital Receiver. With the MUX-150E's PSIP handling, the LST-3100A HD Digital Receiver had no problem tuning and generating their EPG with the newly re-mapped and re-built PSIP tables. The MUX-150E was well received by many CATV head-end designers who attended the show.

Availability

The MUX-150E is available in 4 weeks (ARO).

About Ktech Telecom

Since 1995, Ktech is a manufacturer of professional digital Broadcast and digital CATV Head-End equipment. Its products include 8VSB modulators, digital demod/decoders, SMPTE-310M to ASI, IEEE-1394 Converters, and 8VSB digital processors. Visit www.ktechtelecom.com for more information