

DCC-4300

GIGE TO ASI/S310M CONVERTER



Performance

The DCC-4300 is an IP to ASI and SMPTE-310M converter with program demultiplexing capability.

Inputs/Outputs

There are three (3) slots to accommodate the modules. Each module has a GigE input and 2 outputs (either ASI or SMPTE-310M) for a total of 3 GigE inputs and 6 outputs. An RJ45 is available for NMS control via GUI using web-interface.

UDP/IP

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

Program Demux

Supporting 15 programs max at the GigE input and 1 program on each of the 2 outputs, user can select desired programs from the GigE input that are to be present at each ASI or SMPTE-310M output .

Pro-MPEG Code of Practice #3

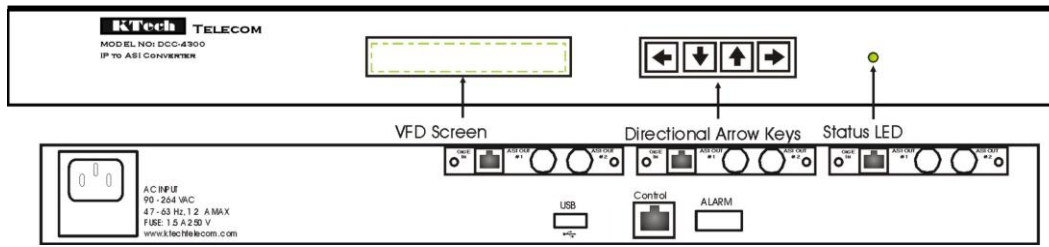
The Pro-MPEG recommends transmission protocols such as RTP/UDP/IP mapping, a Forward Error Correction (FEC) scheme, and defines issues such as timing recovery, jitter tolerance and latency. There is support on selected IP streams for Pro-MPEG CoP3 Forward Error Correction.

Alarms and 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 or Front Panel Control.



General Specifications (All specifications are preliminary and subject to change)

Description	Range	Units
AC Power		
Frequency	47-63	Hz
Voltage	90-264	VAC
Current	1.8	Amp (max)
Operating Conditions		
Temperature	0-50	°C
Altitude	10,000	Ft. (max)
Humidity (Non-condensing)	95	%
Weight		
Net/Gross	13/15	lbs.
Dimensions		
Height/ Width/ Depth	1.75/19/20	Inches (1RU)

DVB-ASI Serial Interface * (Baseband Data Output)

Parameter	Specification	Comments
Connector	BNC x6	Max
Source Impedance	75 ohms	
Output Coupling	AC	AC Inductively Coupled
Transport Stream Bit Rate	270 Mbps Max	

SMPTE-310M Output*

Parameter	Specification	Comments
Connector	BNC x6	Max
Source Impedance	75 ohms	
Output Coupling	AC	AC Inductively Coupled
Transport Stream Bit Rate	19.39265 Mbps	

GigE Input

Format	Ethernet, MPEG-2-over-IP	1000BASE-T
Connector	RJ45	IP/UDP
Data Rate	Up to 1 Gbps	IEEE 802.3

Control

NMS	GUI via 10/100baseT	
SNMP	BER, Loss of Sync Byte, Status, Temperature, Current	No of IP to receive traps is 5 max
Front Panel	VFD	Front Panel Keys

Ordering Information

Part Number	Description
DCC-4300	IP to ASI Converter with Demux

To inquire about pricing and/or delivery, please contact: sales@ktechtelecom.com or visit us at: www.ktechtelecom.com

Comments:

