DTA-140

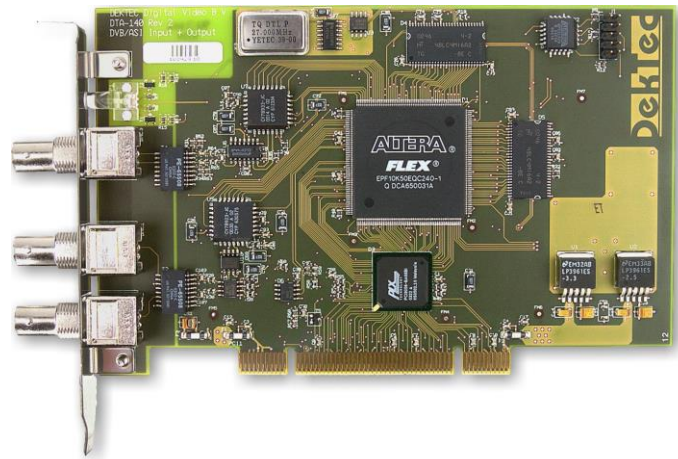# DVB-ASI Input+Output Adapter for PCI Bus

❑ Independent ASI In- and Output Port
❑ 8-MB Input Buffer, 8-MB Output Buffer
❑ Support for Time Stamping

FEATURES

- High-speed input and output, compliant to DVB-ASI-C as defined in EN50083 and DVB document A010 rev 1
- Parallel, independent operation of input and output channel at the full DVB-ASI bit-rate range from 0 to 214 Mbit/s
- Adaptive cable equalisation
- Packet-arrival time stamping
- Synchronised and raw receive modes
- Automatic recognition and adjustment of inverted DVB-ASI input signals
- Counters for bit-rate measurement, 8B/10B code violations and synchronisation errors
- LED indicator shows lock and synchronisation status of input circuitry
- 8-Mbytes input buffer for large jitter tolerance; independent 8-Mbytes output buffer
- Double-buffering: DVB-ASI output available on two BNC connectors
- Inverted DVB-ASI output for special tests
- Continuous mode or burst mode
- PCI rev 2.2, 32 bit, 33 or **66 MHz** bus

- Comes with free:
  - Windows-2000/XP/2003 & Linux device driver and Software Development Kit for developing custom applications
  - Example source code for stream player and stream recorder

APPLICATIONS

- Universal DVB-ASI input/output adapter for PC-based applications that record, play and/or process MPEG-2 transport streams
- Gateway, Data Inserter, Stream Station, etc

KEY ATTRIBUTES

Parameter	Value
Physical Layer	DVB-ASI (Coax)
DVB-ASI Connector	75-Ω BNC (3x*)
Transmit Bit Rate	0…214 Mbit/s
Transmit Bit Rate Resolution	<1 bit/s
Transmit Bit Rate Stability	±10 ppm
Maximum Transmit Jitter**	70 ns p-p
Receive Bit Rate	0…214 Mbit/s
Input Return Loss	>17 dB
Error Free Cable Length	300 m max

*   1x input, doubly-buffered output
** In continuous mode

RELATED PRODUCTS

Type	Description
DTC-300	*StreamXpress™* **Player** Software
DTC-320	*StreamXpert™* **Analyser** Software

ORDERING INFORMATION

Type	Description
DTA-140	ASI Input+Output Adapter (PCI)
DTA-140-SP	DTA-140 with *StreamXpress*
DTA-140-SXP	DTA-140 with *StreamXpert* and *StreamXpress*

Please refer to **www.dektec.com** for the latest pricing and a list of distributors and resellers.