

Dual ASI/SDI Adapter for PCI Express Bus

- ❑ ASI/SDI input+output or dual output
- ❑ Low profile or standard PCI
- ❑ Most complete feature set in the market

FEATURES

- Two BNC ports: one dedicated ASI/SDI output port and one software-selectable ASI/SDI input- or second independent output port, with status LED
- All hardware and software features found in the market place, plus more
- Watchdog-controlled input-to-output relays for redundant configurations
- Prepared for genlock
- Cable equalisation and inverted ASI
- Bitrate measurement and statistics
- Flexible receive modes with time-stamping, packet-sequence counting and false-sync pass through for full TR 101 290 support
- Lossless SDI Huffman encoding / decoding
- Low- and standard-profile PCI bracket
- Free drivers and SDK (DTAPI) for Linux, Windows XP/2k3/Vista and .NET



APPLICATIONS

- ASI/SDI stream station
- High-availability ASI/SDI generation
- ASI/SDI analysis or monitoring
- Universal ASI/SDI input/output adapter for PC-based applications that record, play and/or process MPEG-2 transport streams and/or SDI digital video

KEY ATTRIBUTES

Parameter		Value
Connector		75-Ω BNC (2x [*])
Return loss		> 15dB
Hardware buffering		16MB/channel
ASI	Physical layer	DVB-ASI (coax) EN50083-9
	Bitrate range	0 .. 214Mbit/s
	Packet size	188 or 204 ^{**}
SDI	Physical layer	SMPTE 259M
	Bitrate	270Mbit/s
	#Bits	8 or 10bit
PCI-Express label		PCIe x1

* Software-selectable Input+Output or Output+Output

** Arbitrary packet size in raw mode

PC Requirements

OS	XP/2k3/Vista/2k8/7/8 Linux ≥ 2.6.18, 3.x; 32/64bit
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ORDERING INFORMATION

Type	Description
DTA-2145-SDP	Dual ASI/SDI I/O adapter for PCI Express with <i>DtGrabber+</i> , <i>DtTV</i> and <i>StreamXpress</i>
DTA-2145-SY-SDP	DTA-2145-SDP with <i>SdEye</i>
DTA-2145-SXP	DTA-2145-SDP with <i>StreamXpert</i> analyzer
DTA-2145-SY-SXP	DTA-2145-SDP with <i>SdEye</i> and <i>StreamXpert</i> analyzer

The latest pricing information and a list of DekTec resellers can be found on www.dektec.com. An OEM version of the DTA-2145 is available upon request. Please contact DekTec for OEM conditions.