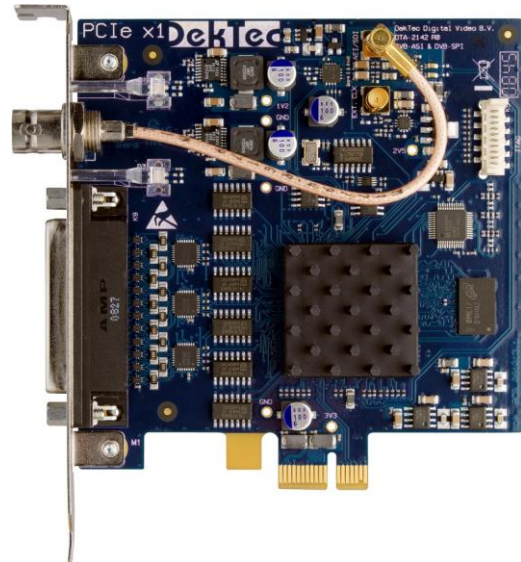


Multi-Mode Serial and Parallel Port for PCIe

- ❑ Parallel port: Multiple modes, input or output, clock up to 108MHz
- ❑ Serial port: ASI or SDI, input or output

FEATURES

- Universal parallel port for receiving or transmitting 8-bit data with valid and sync at clock rates up to 108MHz
- Software-selectable M-LVDS or LVTTTL
- The parallel port supports several modes, including DVB-SPI with boosted clock range, a fixed-clock transport-stream mode, serial with explicit clock and BT-656 for uncompressed SD video
- Serial port is software-selectable input or output, DVB-ASI or SDI
- External clock input that can be used as master clock for serial and/or parallel port
- BNC connector on PCI bracket can be used as serial port (default) or as external clock input by reconnecting coax cable to the external clock input MCX connector
- Short-circuit detection on parallel port
- Each port has on-board 32-Mbytes buffer



APPLICATIONS

- General purpose lab card for generating and capturing of (un)compressed digital video and other 8-bit or 10-bit signals
- Universal stream station

SERIAL PORT

Parameter	Value
ASI/SDI connector	75-Ω BNC
DVB-ASI	EN50083-9
SD-SDI	SMPTE 259M-C
Input return loss	> 15dB

PARALLEL PORT

Parameter	Value
Connector	25-pin sub-D
I/O standard	M-LVDS @ 108MHz LVTTTL @ 27MHz
Clock rate	0 .. 108MHz
Modes	DVB-SPI, serial, fixed-clock TS, BT.656

RELATED PRODUCTS

Type	Description
DTA-102	DVB-SPI output adapter for PCI bus
DTA-122	DVB-SPI input adapter for PCI bus
DTE-CA25	1.5m or 2.5m DVB-SPI cable

ORDERING INFORMATION

Type	Description
DTA-2142-SDP	Serial and parallel port for PCIe with <i>DtGrabber+</i> , <i>DtTV</i> and <i>StreamXpress</i>
DTA-2142-SXP	DTA-2142-SDP with <i>StreamXpert</i>
DTA-2142-SYP	DTA-2142-SDP with <i>SdEye</i>
DTA-2142-SXY	DTA-2142-SDP with <i>SdEye</i> and <i>StreamXpert</i>

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