DTA-2142

DekTec

Serial and Parallel Port for PCI Express

❑ 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 LVTTL

- 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 LVTTL @ 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
DTA-122	DVB-SPI input adapter for PCI
DTE-CA25	1.5m or 2.5m DVB-SPI cable

ORDERING INFORMATION

Type	Description
DTA-2142-SDP	Serial and parallel port for PCIe with *DtGrabber+*, *DtTV* and *StreamXpress*
DTA-2142-SXP	DTA-2142-SDP + *StreamXpert*
DTA-2142-SY-SX	DTA-2142-SDP with *SdEye* and *StreamXpert*

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