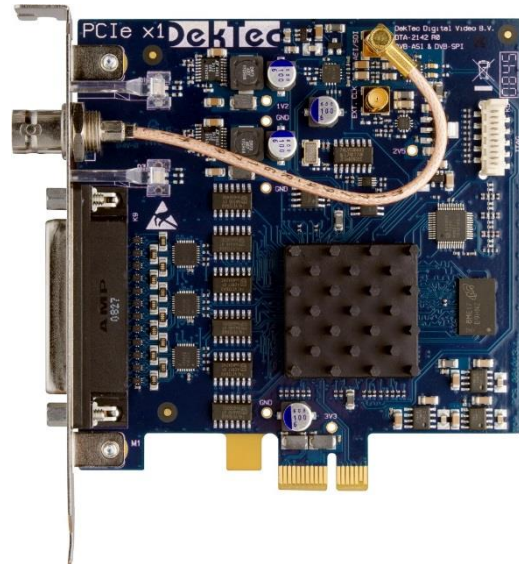


Serial and Parallel Port for PCI Express

- 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 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 |

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 |

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 |

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 + <i>StreamXpert</i> |
| DTA-2142-SY-SX | DTA-2142-SDP with <i>SdEye</i> and <i>StreamXpert</i> |