

## 2x HD-SDI/ASI Input/Output, Genlock Input for PCIe

- ❑ Handles full-frame, uncompressed HD-SDI
- ❑ Real-time processing of HD-SDI signals
- ❑ Optimized for DekTec Matrix API

### FEATURES

- Two ports fully configurable from software:
  - Input or output
  - HD-SDI, SD-SDI or DVB-ASI
- Bi-level and tri-level genlock input port, or digital genlock through port 1
- On-board 1/4 and 1/16 hardware video scaler for reducing PCIe bus bandwidth
- Sophisticated DMA engine
- DekTec Matrix API framework takes care of all the plumbing for creating robust real-time SDI processing applications
- Free drivers and SDK (DTAPI with DekTec Matrix API included) for 32 and 64-bit Windows and Linux



### APPLICATIONS

- Key and fill generators
- HD-SDI recording and play-out
- Video encoding or transcoding

### KEY ATTRIBUTES

Parameter	Value
Physical layer	DVB-ASI : EN50083-9 SD-SDI : SMPTE 259M HD-SDI : SMPTE 292M
Connectors	3x 75-Ω BNC
Ports	Port 1,2 : SDI (in or out) Port 3 : Genlock input
Return loss	≥ 15dB @ 0 to 1.5GHz
DekTec Matrix API	8/10/16-bit conversion Audio/video/ANC extraction Hardware scaling: 1/4 or 1/16
PCI Express	PCIe1 x4 low profile
OS	XP, Vista, 2k8, Win7, Win8 Linux ≥ 2.6.18, 3.x

### SUPPORTED FORMATS

Formats
525i, 625i
720p23.98/24/25/29.97/30/50/59.94/60
1080i50/59.94/60
1080p(sf)23.98/24/25/29.97/30

### ORDERING INFORMATION

Type	Description
DTA-2152	2x HD-SDI/ASI input/output, genlock input for PCIe
DTA-2152-SY-SXP	DTA-2152 with <i>StreamXpert</i> <sup>®</sup> , <i>SdEye</i> and <i>StreamXpress</i> <sup>®</sup>