

# 4x HD-SDI/ASI Input/Output with Genlock Input for PCIe

- ❑ Real-time processing of HD-SDI signals
- ❑ Random access to audio, video, ANC
- ❑ Optimized for DekTec Matrix API

## FEATURES

- Four 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
- Two RS-422 ports for connection to a deck
- 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

- Live production mixer and effect generators
- SDI monitoring, recording and/or 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	5x 75-Ω 1.0/2.3 DIN
Return loss	≥12dB @ 0 to 1.5GHz
Matrix API features	8/10/16-bit conversion Audio/video/ANC extraction Hardware scaling: 1/4 or 1/16 Multiple stream synchronisation
PCI Express	PCIe3 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
1080p(sf)23.98/24/25/29.97/30
1080i50/59.94/60

## ORDERING INFORMATION

Type	Description
DTA-2154	4x HD-SDI/ASI input/output, genlock input for PCIe
DTA-2154-SDP	DTA-2154 with <i>StreamXpert</i> <sup>®</sup> , <i>SdEye</i> and <i>StreamXpress</i> <sup>®</sup>

Please refer to [www.dektec.com](http://www.dektec.com) for the latest pricing and a list of distributors and resellers.