

# 4x 3G-SDI/ASI Input/Output, Genlock Input, 4K Support

- ❑ Real-time processing of 3G-SDI/4K signals
- ❑ Supports 3G-SDI level A and level B
- ❑ Optimized for DekTec Matrix API

## FEATURES

- Four ports fully configurable from software:
  - Input or output
  - 3G-SDI, HD-SDI, SD-SDI or DVB-ASI
  - 3G-SDI ports can be configured to operate in level A or level B mode
- 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

- Generation, reception and processing of uncompressed UHD signals
- General purpose processing of a mix of 3G-SDI, HD-SDI and/or ASI signals
- Live production mixer and effect generators
- SDI monitoring, recording and/or play-out

## KEY ATTRIBUTES

Parameter	Value
Physical layer	DVB-ASI : EN50083-9 SD-SDI : SMPTE 259M HD-SDI : SMPTE 292M 3G-SDI : SMPTE 424M
4K multi-link	SMPTE 425-5 quad 3G-link, with support for Annex B
Connectors	5x 75-Ω 1.0/2.3 DIN
Return loss	≥12dB @ 0 to 3GHz
DekTec Matrix API	8/10/16-bit conversion Audio/video/ANC extraction Hardware scaling: 1/4 or 1/16
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
1080p50/59.94/60
2160p50/59.94/60

## ORDERING INFORMATION

Type	Description
DTA-2174	4x 3G-SDI/ASI input/output, genlock input, 4K support
DTA-2174-SY-SXP	DTA-2174 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.