

Dual 3G-SDI/ASI Ports for PCIe

- ❑ Real-time processing of 3G-SDI signals
- ❑ API to access video, audio and ANC data
- ❑ Bi-level and tri-level genlock input port

FEATURES

- Two ports fully configurable from software:
 - Input or output
 - SDI or ASI
 - SDI ports: 3G, HD or SD
 - 3G-SDI ports can be configured to operate in level A or level B mode
- Low latency to and from software
- Sophisticated DMA engine
- DekTec Matrix API[®] 2.0 provides convenient access to video, audio and ANC samples, and takes care of the plumbing for creating real-time SDI processing applications
- Free SDK (DTAPI) for Windows and Linux, uniform for all DekTec adapters



APPLICATIONS

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

KEY ATTRIBUTES

Parameter	Value
Connectors	3x 75-Ω micro BNC
PCI Express	PCIe2 x4 low profile
DekTec Matrix API [®] 2.0	Pixel format conversion Audio/video extraction HANC/VANC access Scaling by 1/4 or 1/16 All 16 audio channels
Max. cable length	ASI/SD-SDI 350m
	HD-SDI 200m
	3G-SDI 150m
Physical layer	DVB_ASI EN50083-9
	SD-SDI SMPTE 259M
	HD-SDI SMPTE 292M
	3G-SDI SMPTE 424M
OS	Windows 2k8/12/16, 7, 8, 10
	Linux ≥2.6.32, 3.x, 4.x, 5.x

SUPPORTED FORMATS

Formats
525i, 625i
720p23.98/24/25/29.97/30/50/59.94/60
1080p23.98/24/25/29.97/30
1080psf23.98/24/25/29.97/30
1080i50/59.94/60
1080p50/59.94/60

ORDERING INFORMATION

Type	Description
DTA-2172	Dual 3G-SDI/ASI ports with genlock for PCIe
DTA-2172-SXP	DTA-2172 with <i>StreamXpert</i> [®] and <i>StreamXpress</i> [®]
DTA-2172-SY-SXP	DTA-2172 with <i>StreamXpert</i> [®] , <i>SdEye</i> and <i>StreamXpress</i> [®]