

HD-SDI/ASI Input+Output with Relay Bypass

DekTec DTA-2175



KEY FEATURES

- One dedicated HD-SDI/ASI input and one dedicated HD-SDI/ASI output.
- Watchdog-controlled input-to-output relay bypass for failsafe configurations.
- 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.
- Cable equalisation and inverted ASI.
- Bitrate measurement and statistics.
- Flexible receive modes with time-stamping, packet-sequence counting and false-sync pass through for full TR 101 290 support.
- PCI Express gen2 x1, low profile.
- Free drivers and SDK (DTAPI) for Windows and Linux.

APPLICATIONS

- Stream generation, capturing and processing, with relay-based failover for creating highly-available systems.
- Low-latency logo/subtitle insertion.
- Analyze and monitor SDI and Transport Streams with DekTec's StreamXpert and SdEye software.

SUPPORTED 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

- Supports HD-SDI, SD-SDI and ASI
- Relay for creating failsafe applications
- API to access video, audio and ANC data

KEY ATTRIBUTES

Parameter	Value
Ports	1x SDI/ASI in, 1x SDI/ASI out
Physical layer	DVB-ASI : EN50083-9 SD-SDI: SMPTE 259M HD-SDI: SMPTE 292M
Connector	2x 75-Ω BNC
Cable length	SD-SDI – 375m HD-SDI – 210m
DekTec Matrix API©2.0	8/10/16-bit conversion Audio/video/ANC data extraction Scaling by 1/4 or 1/16 Access to all 16 audio channels
PCI-Express	PCIe2 x1 low profile
OS	Windows 2k8, 2k12, 2k16, 7, 8, 10 Linux ≥2.6.32, 3.x, 4.x

ORDERING INFORMATION

Type	Description
DTA-2175	HD-SDI/ASI input + output with bypass relay for PCIe
DTA-2175-SLP	DTA-2175 with StreamXpress© and StreamXpert© Lite

Sencore is the preferred distributor of DekTec in North America.