

Dual Port HD-SDI Adapter with Genlock

DekTec DTA-2152



KEY FEATURES

- Dual-port HD-SDI adapter for PCI Express with analog genlock input
- Each port can be independently configured as HD-SDI input or output
- Supports SD (SMPTE 259M) and HD (SMPTE 292M) signals
- Analog genlock input accepts bi- and tri-level synchronization signals
- Hardware scaler for on-board 1/4 and 1/16 down sampling
- Comes with new Matrix API, which provides convenient C++ classes for line-based access to audio, video HANC and VANC
- Full frame capture and play-out
- Free drivers and SDK (DTAPI) for 32 and 64-bit Windows and Linux

APPLICATIONS

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

- Each HD-SDI port can be input or output
- Analog genlock input
- Random access to audio, video, HANC/VANC

KEY ATTRIBUTES

Parameter	Value
Physical layer	SDI (SMPTE 259M) or HD-SD (SMPTE 292M)
Connectors	3x 75-Ω BNC
Ports	1,2 : SDI (in or out) 3 : Genlock input
Return loss	≥15dB @ 0 .. 1.5GHz
HD format	720p and 1080i
PCI Express	v1.1; PCIe 4x Low profile

SUPPORTED FORMATS

Type	Description
SMPTE 259M	525i59.94, 625i50
SMPTE 296M	720p23.98, 720p24, 720p25, 720p29.97, 720p30, 720p50, 720p59.94, 720p60
SMPTE 274M	1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080i50, 1080i59.94, 1080i60

ORDERING INFORMATION

Type	Description
DTA-2152	Dual-port HD-SDI in+out with genlock for PCI Express
DTA-2152-SDP	DTA-2152 with StreamXpress®, DtTV* and DtGrabber+*

* In development