

Dual H.264 HD Encoder for PCI Express

- Two encoders on a low profile PCIe card
- Audio: AC3, MP1 L2 or AAC up to 2x 5.1
- Built-in multiplexing with precise A/V sync

FEATURES

- Dual-channel version of the DTA-2180
- Supports H.264 and MPEG-2 encoding in HD or SD resolution
- Two HD-SDI inputs and two low-delay ASI outputs
- Multiplexing to transport stream, available on ASI outputs and on PCIe bus
- Audio encoding options: Dolby Digital (AC3), MPEG-1 Layer II, AAC, HE-AAC
- Closed captioning pass through
- Supported on Windows and Linux by the free DekTec SDK (DTAPI), for easy mix and match with other DekTec I/O adapters
- Standard applications available for controlling encoding parameters and for recording an encoded services



APPLICATIONS

- Multi-channel H.264 program encoder for real-time encoding of multiple HD-SDI signals
- Encoding and tunnelling multiple TV services over IP

KEY ATTRIBUTES

Parameter	Value
Ports	2x 75-Ω 1.0/2.3 SDI input 2x 75-Ω 1.0/2.3 ASI output
Power connector	6-pin PCIe power
SDI input formats	SD, HD
H.264 profiles	Main, high
MPEG-2 profiles	MP@ML/HL, HP@HL
Sample format	8-bit 4:2:0
#Audio channels	Up to 8x stereo or 2x 5.1
Ancillary data	Closed captions, XDS, AFD/BAR, VITC
Encoding latency	150 ... 600ms
PCI Express	PCIe 4x +EXT25W, low profile
OS	Windows 2k8/2k12/2k16 7,8,10 Linux ≥ 2.6, 3.x, 4.x

ORDERING INFORMATION

Type	Description
DTA-2182	H.264 encoder without audio
DTA-2182-AAC2	DTA-2182 with 1 HE-AAC or AAC-LC stereo audio service
DTA-2182-AG6	DTA-2182 with any number of AAC, MP1-LII audio channels, plus 1 AC-3 surround service

OPTIONS

Option	Description
-AAC _n	<i>n</i> points for AAC audio encoding
-AG _n	Any number of AAC or MP1-LII audio services, and <i>n</i> points for AC-3 encoding
-DD _n	<i>n</i> points for AC-3 audio encoding
-MPA _n	<i>n</i> points for MP1 LII audio encoding

A stereo service requires 2 channels, 5.1 requires 6 channels