

# FantASI USB-2 ASI/SDI Input+Output Adapter

- Portable Streaming of DVB-ASI and SDI
- Essential Tool for Every Digital-TV Engineer
- No AC Power Adapter Required

## FEATURES

- Convenient, compact USB adapter that can be used to capture and generate MPEG-2 transport streams (DVB-ASI) and uncompressed serial digital video (SDI)
- USB powered - no power supply required
- Independent operation of input and output:
  - Full-duplex: maximum combined bit-rate of 160 MBps
  - Half-duplex: Full DVB-ASI and SDI bit-rate range
- 16-Mbytes local hardware buffer for sustained real-time streaming

## APPLICATIONS

- General-purpose USB adapter for capturing, generating and processing of ASI and SDI streams
- On-site recording and analysis
- Portable demo set



## BUNDLED SOFTWARE

- *DtGrabber+* advanced capturing
- *DtTV* Transport-Stream television
- *StreamXpress™* ASI / SDI player
- (DTU-245-SXP) *StreamXpert™* Transport-Stream analyser software
- Windows/Linux drivers and associated SDK for developing custom applications

## KEY ATTRIBUTES

Parameter		Value
Connector		75-Ω BNC (2x*)
ASI	Physical Layer	EN50083-9
	Bit Rate Range	0...160 Mbit/s**
	Packet Size in Bytes	188 or 204***
SDI	Physical Layer	SMPTE 259M
	Bit Rate	270 Mbit/s****
	#Bits	8 or 10 bit
Power (through USB-2)		5V, 400mA max
Dimensions in mm (LxWxH)		87 x 104 x 30

\* 1x Input and 1x Output

\*\* Maximum total bit rate (Input+Output) in full-duplex mode. In half-duplex mode the full ASI/SDI range is supported

\*\*\* Arbitrary packet size in raw mode

\*\*\*\* Input or Output. Full-duplex SDI is not supported

## MINIMUM PC REQUIREMENTS

USB Port	USB-2*
Processor / RAM / Disk	Please refer to documentation of <i>DtGrabber+</i> , <i>StreamXpress™</i> , <i>DtTV</i> , and <i>StreamXpert™</i>

\* USB-1 ports provide insufficient bandwidth and are not supported

## ORDERING INFORMATION

Type	Description
DTU-245-SDP	USB-2 ASI/SDI Input+Output Adapter with <i>DtGrabber+</i> , <i>DtTV</i> and <i>StreamXpress</i> Software
DTU-245-SXP	DTU-245-SDP with <i>StreamXpert</i> TS Analyser Software

The latest pricing information and a list of DekTec resellers can be found on [www.dektec.com](http://www.dektec.com). An OEM version of the DTU-245 is available upon request. Please contact DekTec for OEM conditions.