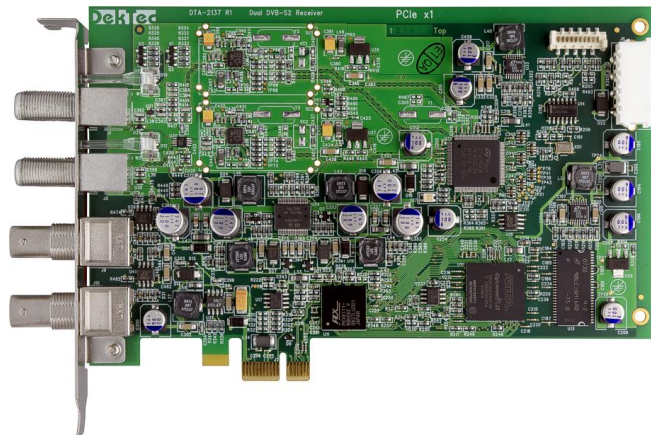# Dual DVB-S2 Receiver for PCI Express Bus

❏ Professional-grade DVB-S2 receiver

❏ Supports 32APSK, MIS, GS, VCM, ACM

❏ DVB-ASI monitoring on each channel

FEATURES

- DVB-S2 receiver supports two channels in QPSK / 8-PSK mode or one channel in 16-APSK / 32-APSK mode

- Supports advanced DVB-S2 features: VCM, ACM, multiple input streams (MIS) and Generic Stream (GS)

- Two ASI output ports can be used for monitoring or as independent output of consumer demodulator chips

- Reception and forwarding of BBFRAMEs

- Full LNB support with DiSEqC interface and 13V/18V 200mA supply (PCIe power) or 400mA with external power

- Each channel provides reception status, RF level, demodulation status, modulation type, code rate, SNR, MER and BER

- Programming interface (DTAPI) is compatible with other DekTec input adapters

APPLICATIONS

- Multipurpose DVB-S2 receiver

- Satellite data distribution

- Local redistribution of DVB-S2 channels with DekTec's remultiplexer *MuxXpert*

KEY ATTRIBUTES

Parameter		Value
Antenna inputs		2x 75-Ω "F" female
Input return loss		>10dB @ 0 .. 1GHz > 4dB @ 1 .. 2GHz
Tuning range		950 .. 2150MHz
Input sensitivity		-60 .. -30dBm
Baud rate		2 .. 40MBd
Metrology	RF level	-60 .. -30dBm ±3dB
	SNR	0 .. 22dB ±2dB
	MER	0 .. 22dB ±2dB
	BER (DVB-S)	Pre Viterbi; Pre RS
	BER (DVB-S2)	Pre/Post LDPC & BCH
	Constellation	256 x 256
LNB supply (per channel)		13V/18V 400mA*
Receive-buffer size		2x 8MByte
PCI-Express label		PCIe x1

*   200mA without 12V connected on HDD power connector

ORDERING INFORMATION

Type	Description
DTA-2137C-SDP	Dual DVB-S/DVB-S2 receiver with *DtTV*, *StreamXpress* and *DtGrabber+*
DTA-2137C-SXP	DTA-2137-DP bundled with *StreamXpert* TS analyzer

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RELATED PRODUCTS

Type	Description
DTA-2137*	Low-cost DVB-S/S2 receiver without support for 32-APSK, MIS, GS, VCM and ACM
DTA-2107	DVB-S/DVB-S2 modulator with L-band upconverter for PCIe

* Without the 'C' suffix