

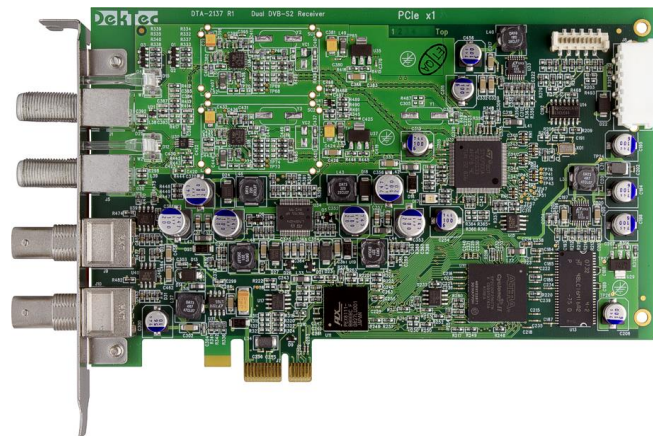
# Dual DVB-S2 Receiver for PCI Express Bus

- Professional-grade DVB-S2 receiver
- DiSEqC and LNB power insertion
- DVB-ASI monitoring on each channel

*Please note: A successor of this card, the DTA-2137C, has improved performance and support for 32APSK, MIS, GS, VCM and ACM. The DTA-2137 is still available at reduced cost.*

## FEATURES

- DVB-S2 receiver supports two channels in QPSK / 8-PSK mode or one channel in 16-APSK mode
- Two ASI output ports can be used for monitoring or as independent output of consumer demodulator chips
- Reception and forwarding of BBFRAMEs
- Dual LNB inputs or shared feed
- DVB-S2 demodulation compliant to EN302-307 and EN301-210, as well as legacy DVB-S support
- 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 error counts



## 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-2137-SDP	Dual DVB-S/DVB-S2 receiver with <i>DtTV</i> , <i>StreamXpress</i> and <i>DtGrabber+</i>
DTA-2137-SXP	DTA-2137-DP bundled with <i>StreamXpert</i> TS analyzer

Please refer to [www.dektec.com](http://www.dektec.com) for the latest pricing and a list of distributors and resellers.

## RELATED PRODUCTS

Type	Description
DTA-2137C	DVB-S/S2 receiver for PCIe with support for 32-APSK, MIS, GS, VCM and ACM
DTA-2107	DVB-S/DVB-S2 modulator with L-band upconverter for PCIe