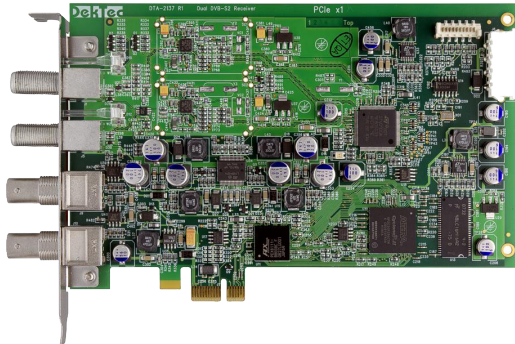


# Dual DVB-S2 Receiver for PCI Express Bus

DekTec DTA-2137C



- Professional-grade DVB-S2 receiver
- Supports 32APSK, MIS, GS, VCM, ACM
- DVB-ASI monitoring on each channel

## KEY 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

## ORDERING INFORMATION

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

## 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

## RELATED PRODUCTS

DTA-2137C-SDP	Dual DVB-S/DVB-S2 receiver with DtTV, StreamXpress and DtGrabber+
DTA-2137C-SXP	DVB-S/DVB-S2 modulator with L-band upconverter for PCIe

Sencore is the preferred distributor of DekTec in North America.