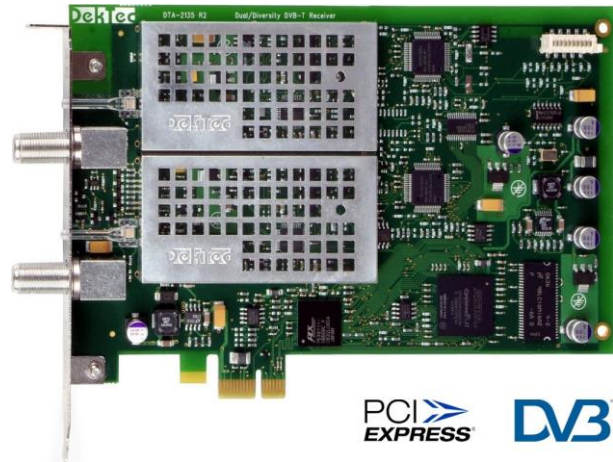


Dual/Diversity DVB-T Receiver for PCI Express

- ❑ Dual-channel professional DVB-T receiver
- ❑ Diversity mode for improved sensitivity
- ❑ Shared or independent antenna inputs

FEATURES

- Dual-channel DVB-T receiver card compliant with ETSI specification EN300-744
- Provides two fully independent channels or one channel operating in diversity mode
- Allows connection of one antenna to each channel or the two channels can be configured to share a single antenna
- LED indicators show reception status
- Channel 1 provides ADC to get access to raw IF samples
- Each channel provides indications of reception status, RF level, demodulation status, detected constellation, code rate, constellation points, SNR and error counts
- Programming interface (DTAPI) is fully compatible with other DekTec Digital-Video input adapters
- PCI Express x1



APPLICATIONS

- RF- and Transport-Stream level monitoring of terrestrial transmission channels
- Local redistribution of DVB-T channels with DekTec's real-time multiplexer *MuxXpert*
- Software-defined real-time RF analyser

KEY ATTRIBUTES

Parameter		Value
Antenna inputs		2x 75-Ω "F" female
Antenna power		2x 5V @ 30mA
Tuning range		50 .. 860MHz
Bandwidth		6/7/8Mhz
Input sensitivity		-78* .. -20dBm
Metrology	RF level	-80 .. -20dBm ±3dB
	MER / SNR	10 .. 32dB ±2dB
	BER	Pre- and Post-Viterbi
	Constellation	1023 x 1023
ADC	Resolution	10bit
	Sample rate	20.647Mhz
	Buffer size	16MByte
Receive-buffer size		2x 8MByte
DVB ID		5505
PCI-Express label		PCIe x1

* Maximum sensitivity depends on number of QAM constellation points: -78dBm@64QAM; -82dBm@16QAM; -90dBm@QPSK

ORDERING INFORMATION

Type	Description
DTA-2135-SL	Dual/diversity DVB-T receiver with <i>StreamXpert Lite</i>
DTA-2135-SX	DTA-2135 bundled with <i>StreamXpert</i> TS analyser

The latest pricing information and a list of DekTec resellers can be found on www.dektec.com. An OEM version of the DTA-2135 is available upon request. Please contact DekTec for OEM conditions.

RELATED PRODUCTS

Type	Description
DTA-2135-T2	DVB-T2 Receiver and Analyser for PCI Express
<i>MuxXpert</i>	Real-time MPEG-2 multiplexer: Apply DTA-2135 as input device to remultiplex DVB-T channels