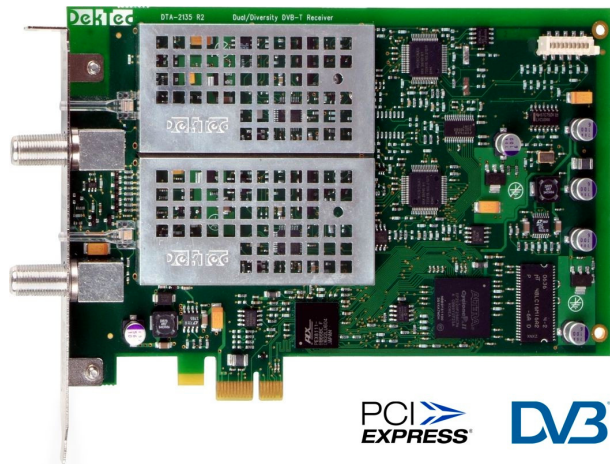


# Dual/Diversity DVB-T Receiver for PCI Express

- ❑ Dual-channel professional DVB-T receiver
- ❑ Diversity mode for improved reception
- ❑ 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 indication 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 @ 30 mA
Tuning Range		50 .. 860 MHz
Bandwidth		6/7/8 Mhz
Input Sensitivity		-78* .. -20 dBm
Metrology	RF Level	-80 .. -20 dBm ±3dB
	MER / SNR	10 .. 32 dB ±2dB
	BER	Pre- and Post-Viterbi
	Constellation	1023 x 1023
ADC	Resolution	10 bit
	Sample Rate	20.647 Mhz
	Buffer Size	16 MByte
Receive-Buffer Size		2x 8 MByte
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-DP	Dual/Diversity DVB-T Receiver with <i>DtTV</i> and <i>DtGrabber+</i>
DTA-2135-SX	DTA-2135-DP bundled with <i>StreamXpert</i> TS Analyser

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-115	Multi-Standard Modulator with VHF/UHF Upconverter
DTU-235	DVB-T Measurement Receiver for USB-2 Bus
<i>MuxXpert</i>	Real-Time MPEG-2 Multiplexer: Apply DTA-2135 as input device to remultiplex DVB-T channels