DTA-2131B

Cable/Terrestrial SDR Receiver for PCIe

- ☐ Universal receiver for VHF/UHF band
- ☐ Demodulators for multiple standards
- ☐ Advanced RF measurements

FEATURES

- Tuner, I/Q demodulator and sample-rate converter, optimized for use with SDR technology (Software Defined Radio = demodulation in software)
- Several software demodulators available, including ATSC 3.0, DVB-T2, QAM-A/B/C with features, performance and advanced RF measurements exceeding those of consumer demodulator chips
- Hardware sample rate converter for obtaining I/Q samples at a convenient rate for I/Q recording or software demodulation
- Demodulated stream and advanced RF measurements available through free Windows and Linux SDK (DTAPI)

APPLICATIONS

- RF network monitoring with measurements.
- Universal receiver.
- Front end for SDR experiments.

KEY ATTRIBUTES

Parameter		Value
RF input connector		75-Ω "F" female
Tuning range		42 .. 1002MHz
Input sensitivity		-90 .. -10dBm
Input return loss		>18dB
Bandwidth		1.7/5/6/7/8MHz
I/Q sample rate		1.0 .. 40Msps
I/Q sample size		16-bit I + 16-bit Q
Metrology	MER	3 .. 47dB ±2dB
	RF level	-90 .. -10dBm ±2dB
	Constellation	Yes
Power consumption		5.5W
PCI Express label		PCIe gen1 x1
OS		Windows 10, 11 Server 16, 19, 22 Linux >2.6, 3.x, 4.x, 5.x

RECEPTION

Modulation standards
ATSC VSB, ATSC 3.0*, DAB(+), DVB-C, DVB-C2, DVB-T, DVB-T2 v1.3.1, I/Q samples, ISDB-T/Tsb, J.83 annex A/B/C

* Includes support for TTAK.KO-07.0127/R3 (Korean standard)

ORDERING INFORMATION

Type	Description
DTA-2131B-SL	Cable/terrestrial SDR receiver with *StreamXpert®* *Lite*
DTA-2131B-XPRT-SX	DTA-2131B with *Atsc3Xpert*, *C2Xpert*, *T2Xpert* and *StreamXpert®*
DTC-344-XPRT	Option to enable *Atsc3Xpert*, *C2Xpert* and *T2Xpert*

Please refer to **dektec.com** for latest pricing and a list of distributors and resellers.