

## Twelve-Channel Cable/ Terrestrial Receiver for PCIe

- 12 independent receivers each of which can produce all data in the channel
- Receive any mix of ATSC VSB, ATSC 3.0, DVB-C, DVB-T/T2, ISDB-T, QAM-A/B/C

### FEATURES

- Twelve independent receivers on a single PCIe card for capturing any mix of cable and/or terrestrial signals.
- Full support for ATSC 3.0 (4 PLPs/receiver).
- Arbitrary combinations of ATSC 3.0 and ATSC VSB (or any other standard).
- Applications have access to the complete Transport Stream for each channel.
- Each channel provides indications of lock status, RF level, MER and BER.
- Free Windows and Linux SDK (DTAPI).
- PCI Express x4, full height, short length.



### APPLICATIONS

- Monitoring an entire cable or terrestrial network with DekTec's *Xpect* software.
- Receiving free-to-air terrestrial services and remultiplexing them to a cable network.

### KEY ATTRIBUTES

Parameter		Value
Input connector		75-Ω "F" female
Return loss		> 10dB
Tuning range		42 .. 1002MHz
Input sensitivity		-80 .. -20dBm
Symbol rate		1.7 .. 7.2MBd
Metrology	RF level	-80 .. -20dBm ±3dB
	MER	3 .. 40dB
	BER	Post decoder
	Constellation	2D
ATSC 3.0	#PLPs/receiver	4

### PC REQUIREMENTS

OS	Windows 7, 8, 10 Windows Server 12, 16, 19 Linux ≥2.6.32, 3.x, 4.x, 5.x
PCI Express slot	PCIe gen1 x4 Standard profile

### MODULATION STANDARDS

Type	Description
ATSC VSB	ATSC A53/E
ATSC 3.0	ATSC A/322*
DVB-C (QAM-A)	EN 300 429
DVB-C2	EN 302 769
DVB-T	EN 300 744
DVB-T2	EN 302 755 v1.3.1 (T2 Lite) DTG 6.2/7, NorDig-U v2.2
ISDB-T	ARIB STD-B31
QAM-B/C	ITU J.83 Annex B/C

\* TTAK.KO-07.0127/R3 (Korean standard) is not supported.

### ORDERING INFORMATION

Type	Description
DTA-2139C-SL	Twelve-channel cable/ terrestrial receiver for PCIe with <i>StreamXpert Lite</i>
DTA-2139C-SX	Twelve-channel cable/ terrestrial receiver for PCIe with <i>StreamXpert TS analyzer</i>