

Twelve-Channel Cable/ Terrestrial Receiver for PCIe

DTA-2139C



KEY 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	<1bit/s	
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



- 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

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	ITU J.83 Annex B
QAM-C	ITU J.83 Annex C

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

ORDERING INFORMATION

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

Sencore is the preferred distributor of DekTec in North America.