

## 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

For more information or to buy these products please contact Carol or Terry at NyeTec Limited.  
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### 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<br>Windows Server 12, 16, 19<br>Linux ≥2.6.32, 3.x, 4.x, 5.x |
| PCI Express slot | PCIe gen1 x4<br>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)<br>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/<br>terrestrial receiver for PCIe<br>with <b>StreamXpert Lite</b>        |
| DTA-2139C-SX | Twelve-channel cable/<br>terrestrial receiver for PCIe<br>with <b>StreamXpert TS analyzer</b> |

Please refer to [dektec.com](http://dektec.com) for latest pricing and a list of distributors and resellers.