

Twelve-Channel QAM Receiver for PCI Express

DekTec DTA-2139



KEY FEATURES

- High-density QAM-A/B/C receiver card with twelve independent receivers
- Application have access to the complete Transport Stream for each channel
- RF signal is available on a loop-through output that can be connected to another DTA-2139. By cascading multiple DTA-2139s, a complete QAM network can be monitored
- Each channel provides reception status, RF level, demodulation status, constellation, SNR and post-FEC BER
- Free Windows and Linux SDK (DTAPI) is fully compatible with other DekTec digital-television adapters
- PCI Express x4, full height, short length

APPLICATIONS

- Testing, validation of edge-QAM systems
- Monitoring of cable networks with DekTec's Xpect software

- Twelve independent QAM receivers
- Full TS available from each receiver
- RF loop-through port for easy cascading

KEY ATTRIBUTES

| Parameter | Value |
|--------------------------|---|
| RF input | 75-Ω "F" female |
| Return loss | >10dB |
| Loop-through connector | 75-Ω "F" female |
| Loop-through attenuation | <2dB |
| Tuning range | 54 .. 1002MHz |
| Input sensitivity | -55 .. -30dBm |
| Symbol rate | 5.0 .. 7.1MBd |
| Descrambling | Not supported |
| Metrology | RF level, MER, BER Constellation points |
| PCI-Express label | V1.1; PCIe x4 |

MODULATION STANDARDS

| Standards | |
|----------------|------------------|
| QAM-A (DVB-C)* | EN 300 429 |
| QAM-B | ITU J.83 Annex B |
| QAM-C | ITU J.83 Annex C |

* QAM-128 is not supported.

ORDERING INFORMATION

| Type | Description |
|-------------|--|
| DTA-2139-DP | Twelve-channel QAM receiver for PCI Express bus with DtTV and DtGrabber+ |
| DTA-2139-SX | DTA-2139-DP bundled with StreamXpert TS analyzer |