| DVB-S2 Satellite IP Receiver Specifications | |
|---|---|
| Receive Frequency | 950 to 1450 MHz |
| Frequency Acquisition | ±50% of Symbol Rate up to ±10 MHz |
| Input Signal Level | -65 dBm to -25 dBm |
| Multi-Standard Demodulation | QPSK: 1.5 to 45 Msps (DVB-S)<br>QPSK: 1.5 to 45 Msps (DVB-S2)<br>8PSK: 1.5 to 30 Msps (DVB-S2) |
| VCM Operation | Capable of decoding a single input stream of a DVB-S2 carrier that has multiple input streams and a unique modulation/coding scheme for each input stream. |
| Data Throughput | 80 Mbps |
| Nyquist Root Filter | 0.2, 0.25, 0.35 rolloff |
| Multi-Standard Decoding FEC | |
| DVB-S | Viterbi 1/2, 2/3, 3/4, 5/6, 6/7, 7/8 rates<br>Reed Solomon |
| DVB-S2 | LDPC 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10<br>BCH decoder |
| Typical DVB-S Performance @ 30 Msps | C/N |
| QPSK FEC 1/2 | 3.5 dB |
| QPSK FEC 2/3 | 5.2 dB |
| QPSK FEC 3/4 | 6.3 dB |
| QPSK FEC 5/6 | 7.4 dB |
| QPSK FEC 7/8 | 8.1 dB |
| Typical DVB-S2 Performance for 1E-7 QEF with Pilots @ 30 Msps | C/N |
| QPSK FEC 1/2 | 1.2 dB |
| QPSK FEC 2/3 | 3.3 dB |
| QPSK FEC 3/4 | 4.2 dB |
| QPSK FEC 5/6 | 5.4 dB |
| QPSK FEC 8/9 | 6.4 dB |
| QPSK FEC 9/10 | 6.7 dB |
| 8PSK FEC 2/3 | 6.9 dB |
| 8PSK FEC 3/4 | 8.2 dB |
| 8PSK FEC 5/6 | 9.7 dB |
| 8PSK FEC 8/9 | 11.1 dB |
| LNB Supply Voltage | 11/15V, 13/18V, 21 V or off |
| LNB Supply Current | 400 mA with short circuit and Surge Protection |
| Configuration | IP Address Configuration<br>PID Selection<br>LNB Power<br>Transponder Settings<br>Symbol Rate |

| | |
|---|---|
| | Frequency<br>Band<br>Power |
| Hardware Capabilities | Multiprotocol Encapsulation (MPE)<br>PID Filters: 16 |
| RF Input Connector | 75 Ohm type F female |
| LAN Interface | 10/100 Base T, RJ-45 |
| Temperature | |
| Operational | 0° to 40°C |
| Survival | -50 to +50°C |
| Operating Humidity | 10 to 90%, non-condensing |
| Standards | UDP/IP Protocol<br>IP Multicast<br>IGMP: V1.0, V2.0<br>ETSI 301 192 DVB<br>ETSI 302 307 DVB-S2<br>ETSI 301 192 MPE<br>IEEE 802.3 10/100 Mbps |