

Overview



As a member of **novra's** DVB receiver family, the S75 brings superior throughput performance and flexibility to a very cost effective solution. The S75 has been designed to enable delivery of the next generation of broadband services. Its RJ45 Ethernet connection provides very powerful and distinct advantages over competitive offerings as it is not throughput limited by a USB connection. A standard Ethernet port on the host machine

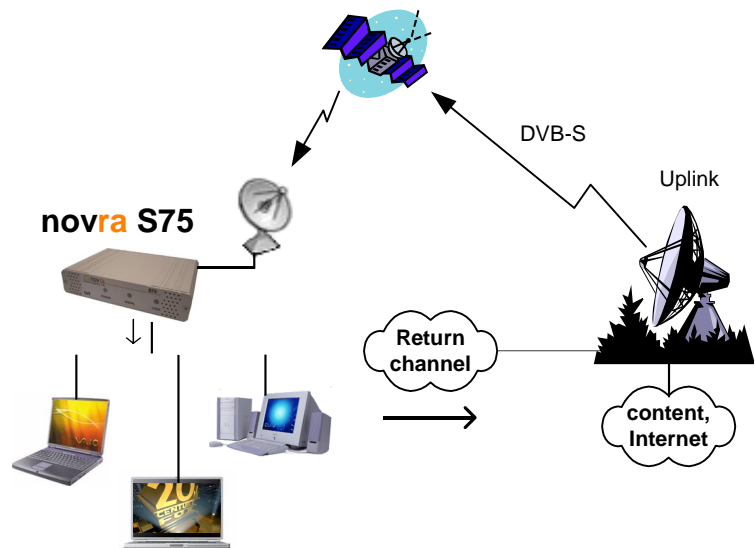
makes hardware installation of the S75 simple and non-invasive, eliminating the need for a technician to open the computer and install a PCI card. The S75 is DVB compliant and can forward IP data, or any other DVB transport stream, such as broadcast television, to any host on the LAN. This provides exceptional flexibility and functionality by virtually bridging the satellite to the LAN and moving set top box capability right into any PC on the LAN.

Applications

The S75 is perfectly suited for consumer or small-medium enterprise use, delivering applications like distance education, file distribution, streaming content, Internet over satellite and broadcast TV to a single host or to a network of hosts. In addition, the S75 can easily be used for embedded or special function applications that require low-level access to the DVB transport stream.

Features

- Compatible with the TCP/IP Protocol Suite
- Exceptional Flexibility ● Remotely Upgradeable
- 55 Mbps Sustained Throughput ● Small Footprint
- DVB Compliant ● RJ45 10/100BaseT Ethernet Interface
- Bridges the Entire DVB Multiplex to any Host on the LAN
- PID Filtering or Unlimited PIDs ● Application Transparent



For additional information or details on **novra's** product offering, please contact us at:

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RF Tuner

External Connectors: F type female 75 Ohm
Receiving Frequency: 950 to 2150 MHz
Input Signal Level: -65 dBm to -25 dBm
Frequency Acquisition: $\pm 50\%$ Symbol Rate up to ± 10 MHz

QPSK

Data Rate: 55 Mbps
Symbol Rates: 1.5 - 45 Msps - Variable
Root-raised cosine filter with roll-off 0.35

LNB Power and Switching

Supply Voltage: Selectable 13V or 18V
LNB Control: 22KHz tone
LNB Supply Current: 400 mA with Short Circuit and Surge Protection
Antenna Control: 22 kHz signal
Short Circuit Protection

LNB Settings

LNB Polarization
LNB Frequency Band

Operating Systems

Windows: W2K,XP,NT,ME
Linux

FEC

Decoding: Viterbi / Reed-Solomon
Viterbi Inner Code:
K=7, R=1/2, 2/3, 3/4, 5/6, 7/8
Reed-Solomon Decoding: 204, 188, T=8
Deinterleaving: Interleaving Depth = 12

Transponder Settings

Polarization
Symbol Rate
Frequency

Tuner Status

Signal Strength
Signal Lock
Error Status: Channel BER, Viterbi BER, Reed-Solomon, LNB Offset Frequency

Hardware Capabilities

Multiprotocol Encapsulation (MPE)
IP / Unicast / Multicast and MAC Filtering
PID Filters: Unlimited, or 64 filtered

Software Capabilities

UDP / TCP / IP Protocol

Physical / Environmental

Height: 1.21 in. (3.073 cm)
Width: 5.22 in. (13.259 cm)
Depth: 3.70 in. (9.398 cm)
Operating Temperature: 0 C to 60 C
Storage Temperature: -55 C to 85 C
Operating Humidity: 10 - 90% Non-Condensing

Regulatory

CSA / UL (L/O Leakage at RF Input: -63) (Pending)
FCC / Industry Canada
CE
ETSI 301.192 Compliant
IEEE 802.3u 10 / 100 Mbps

Output

Ethernet LAN Interface: RJ-45

Management

IP Address Configuration
PID Selection
Data Transfer Rate Monitoring
Receive Signal Strength Monitoring
Signal Lock Status Display



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