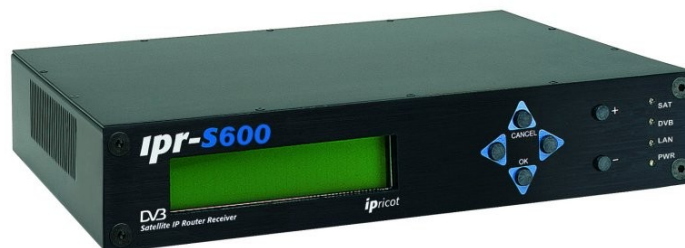




i2e
TECHNOLOGIES

IPr-S600 DVB-S/S2 Satellite IP Router Receiver



The **IPr-S600** fulfils demand for customers looking for a cost-effective solution while having some of the general characteristics of our high end products, providing mid range performance in a value minded package.

The **IPr-S600** is compliant with both DVB-S and the new DVB-S2 standards.

The **IPr-S600** is especially designed for broadband Internet access, E-learning, Business TV and content delivery.

Like other **IPricot** equipments, the **IPr-S600** can be easily integrated within any existing network and can be configured and monitored through several management interfaces.

The **IPr-S600** was developed BY skilled professionals, WITH professional components and designed FOR professionals.

Highlights

Capability

- DVB-S (ETS 300 421) & DVB-S2 (EN 302 307) demodulator and FEC decoder compliant
- Fully compliant DVB/MPE & PES, IP, MPEG-2
- Unicast, Multicast, Broadcast Routing and Bridging

Performance

- DVB-S2: QPSK & 8PSK modulations, **3-30** Mbauds
- DVB-S: QPSK modulation, **1-45** Mbauds
- Satellite interface up to **90** Mbit/s of data.
- Up to **40** Mbit/s IP throughput sustained w/ up to **32** PIDs simultaneously

Reliability

- Additional processor for watchdog control
- No on-board mechanical components
- Telecom quality grade

Manageability

- Easy integration within any existing architecture (no third party software needed)
- Easy to install & set-up
- Management & monitoring through LCD display & key pad, console, telnet, SSH*, web, SNMP
- Management of configuration profiles

Speed up your data.



Physical Interfaces

- LCD Front Panel (20 characters x 2) Display and Keypad
- LED Indicators (Unlock, DVB data reception, LAN Activity, Power)
- Modem RS-232, Max 115.2 Kbit/s (D-sub DE9M)
- Console RS-232, Max 115.2 Kbit/s (RJ45)
- Ethernet 10/100 Mbit/s (RJ45)
- L-band tuner in/out(passthrough) F-type (950-2150 Mhz)

RF Tuner

- Input Impedance: 75 Ohms
- LNB Power Supply: 13V/18V/OFF, 350 mA max.
- Over Current & Short Circuit Protection
- Band Switch Control using 22 KHz Signal
- Total input power: -25 dBm max.
- Clock acquisition range: ± 200 ppm
- Carrier acquisition range: ± 3 MHz

Demodulator

- **DVB-S2** (EN 302 307), Normal Frames, CCM mode, LDPC & BCH decoder. QPSK, 8PSK (3 -30 Mbauds):
 - QPSK FEC rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
 - 8PSK FEC rate: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
- **DVB-S** (ETS 300 421) demodulator, descrambler, Viterbi & outer Reed-Solomon decoder. QPSK (1-45 Mbauds):
 - QPSK FEC rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Automatic Spectral Inversion Ambiguity Resolution
- Forward Error Correction: Manual & Automatic
- DVB-S2 pilot processing
- Digital Nyquist root filter roll-off: 20%, 25% and 35%
- Automatic Frame Synchronization

Demultiplexer

- ITU-T H.222.0, ISO/IEC 13818 - 1 (System)
- ISO/IEC 13818 - 6 (DSM CC)

Encapsulation Protocols

- Multi Protocol Encapsulation (MPE) Fully Compliant - LLC SNAP Fully Compliant (802.1, 802.2, 802.1 & 802.2)
- Data Streaming (PES) Fully Compliant

General / Environment

- Operating Temperature: +5°C to +50°C
- External power supply 100-240 V in / 12 V out
- Power Consumption: 10.2 W max.
- Dimensions (HxWxD): 4.4 x 22 x 21.5 cm
- Unit weight: 1.4 kg
- Power Supply weight: 300 g

Management Interfaces

- Multiple Local & Remote Management & Monitoring Interfaces: SNMP, LCD Display & Key Pad, Web, CLI (console, telnet and SSH*)
- Complete IPricot API for remote management through proprietary software.

Network Services

- Unicast, Multicast, Broadcast Routing or Bridging (Static, IGMP, DVMRP)
- PPP, PPTP, UDLR
- Full featured Firewall - Dynamic NAT

DVB Settings

- Modulation / Frequency / Polarization / Baud Rate / FEC (Manual or Auto)
- LNB Type / Voltage / Power Tuning & Scanning Frequency
- PID & LLC SNAP Filtering, MAC Address Filter (1-6 Bytes), Multiple MAC Address Filtering
- IP Copy

Settings & Controls

- Profile Management (Save / Restore / Delete)
- Up to 32 Profiles on FlashCard
- Firmware Management (Load / Backup / View Contents & Versions)
- HTTP & TFTP Load and Backup of Firmwares & Profiles
- Read & Write Passwords for all Interfaces
- IP Address & Mask / ICMP Redirect / Date & Time / System Reset /...

Monitoring Counters

- BER IP Packets & Bytes
- C/N Lock & Status
- Symbol (Baud) Rate Temperature
- IP (Data) Rate

Monitoring Tools

- Spectrum Analyzer DVB Dump
- Ping TS Dump
- Traceroute IP Dump
- Syslog Netstat
- DVB Stat

* Options - Other options might be available upon request

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Specifications are subject to change without notice.

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