

IP HEADEND SOLUTIONS



Digital TV features great opportunities for future video and media delivery via broadband, cable-TV and broadcast playouts.

The new BLANKOM IP Headend solutions provide various operation opportunities within broadband, cable-TV and IP environments and combine the advantages and quality of digital video with the opportunities, flexibilities and capacities of Video over IP and IPTV.

The BLANKOM Video over IP and IPTV solutions are of a modular design ready for various Video over IP and IPTV applications.

Our DVB to IP streaming units enable the transmission of encrypted or free-to-air 8PSK/QPSK and COFDM channels as well as digital ASI transport streams and feature easy local and remote access via webexplorer (TCP/IP).

- **Video over IP & IPTV Headend solutions**
- **Bidirectional IP & ASI streaming (IP ASI)**
- **SPTS & MPTS playout & streaming over IP**
- **Supports Unicast / Multicast architectures**
- **Including Conditional Access for Single & Multi Service Decryption**
- **Error protection COP 3R2**

SSI 108 Twin SAT Streamer IP DVB-S/-S2 (8PSK/QPSK) 2 x CI IP & ASI

The SSI 108 TWIN SAT to IP Streamer allows receiving of 2 8PSK/QPSK transponders as well as processing and streaming of the selected services in unicast or multicast via IP infrastructures. Furthermore it provides an additional ASI transport stream monitoring interface and a dual Common Interface slot.

The SSI 108 features the core component for various IPTV and Video over IP architectures and supports dual 8PSK/QPSK reception, transport stream processing, pay-tv channel decryption (Multi-Service-Decryption) and IP streaming in one unit.

The SSI 108 is ideally designed for future oriented IPTV and Video over IP headends and offers a perfect platform for any broadcast and playout application while it allows various configurations specifically designed to individual client demands.

The SSI 108 can be accessed and configured manually via front panel keypads and remotely over the unique central control unit HCB 200 via webexplorer (TCB/IP) while it also features SNMP monitoring optionally.



- Dual 8PSK/QPSK to IP Streaming
- Receiving, descrambling and streaming in one module
- PSI-/SI processing, NIT generation, PID filtering and table processing
- Dual Common-Interface for Multi-Service-Decryption
- Supports SPTS/MPTS, Multicast/Unicast
- Provides variable error protection according COP 3R2
- Easy and flexible manual and remote access and control / SNMP

Technical Specification

| SAT-IF Input | | | |
|----------------------|---|---|----------------------------------|
| Frequency range | 950...2150 MHz (1 MHz steps) | | |
| AFC range | ± 5 MHz | | |
| AGC level range | 64...94 dBμV | | |
| Connector, impedance | F socket, 75 | | |
| Demodulator/Decoder | | | |
| Standard Modulation | DVB-S QPSK | DVB-S2 QPSK | 8PSK |
| Symbol rate | 2...45 Msps | 1...34 Msps | 1...28,9 MSps |
| Code rate | Viterbi 1/2, 2/3, 3/4, 5/6, 7/8 | LDPC 1/4, 1/3, 2/5, 1/2, 3/5, 2/3 | 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 |
| Roll off | 3/4, 4/5, 5/6, 35 % | 8/9, 9/10 | 20, 25, 35 % |
| Common Interface | | | |
| Common Interface | per channel PCMCIA-Slot according EN 50221 | | |

| Streamport | |
|--|--|
| Network connection (LAN/WAN) Connector | Ethernet, 10/100/1000 Base-T RJ 45 |
| Protocols | UDP, RTP, ARP, IGMPv3 |
| Additional error correction | pro-MPEG Code of practice 3 rev. 2 |
| Encapsulation | according ETSI TS 102034 |
| ASI Output | |
| Signal processing | EN 50083-9 |
| ASI mode | burst |
| TS data rate | according selected SPTS/MPTS |
| TS Mode | 188 byte |
| Operating parameter | |
| Voltage / Current | 12 V (0,2 V)/1200 mA (without CA Module) |