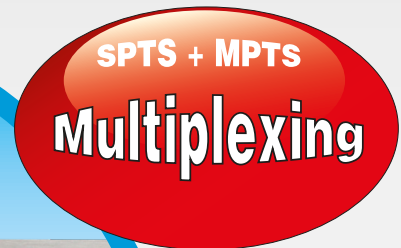


GOING FUTURE TODAY.

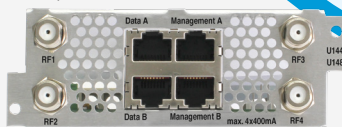


DVB-S2 to IP Streamer

 Made in Germany



Backplane:



Direct Digital  by ASTRO

- signal converter for the U 100 base unit
- for the conversion of 8 DVB-S2 input signals to IP multicast
- 8 IP MPTS and up to 504 IP SPTS (enabling SPTS via license)
- on-board 2 x 4 in 4 multiplexer (enabling of multiplexer via license)
- further features available, to be enabled with license (SSL and RADIUS)
- SSL, RADIUS & BISS decryption, Blind scan and Carrier Monitoring
- Multiple Input Stream (MIS / Input Stream Identifier)
- up to 24 streams per rack unit

| License | Ord.nr. | Description | U 144-X | U 148-X | U 149-X | U 164-X | U 168-X |
|----------------------|---------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| U SSL | 380 133 | To enable the SSL function activating the TLS protocol (SSL) for encrypted communication via https | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| U Radius | 380 136 | For unlocking the RADIUS client-server-protocol | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| U SPTS | 380 146 | To enable the SPTS streaming function | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| U 149 SPTS | 380 153 | U 149-X license to enable the SPTS streaming function | - | - | <input checked="" type="checkbox"/> | - | - |
| U Streamer MUX | 380 147 | For upgrading the Multiplex function in the frontend; EIT-calculation for the new output signals | 1 x 4 in 4 | 2 x 4 in 4 | - | 1 x 4 in 4 | 2 x 4 in 4 |
| U Carrier Monitoring | 380 132 | For unlocking the monitoring function; in case of deviating input signals from a reference value, the switch-off of the corresponding IP Tx is executed, ideal solution for IP-based satellite monitoring systems | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - |
| U Blindscan | 380 135 | For unlocking the Blind Scan function; the streamer recognizes missing, additional and changed transponders after a reference scan of the spectrum; configurable scan range (frequency and symbol rate) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | - | - |
| U Streamer BISS | 380 134 | For unlocking the BISS function of U 100 streamer modules | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| U Wideband Mode | 380 156 | For unlocking wideband mode; reception of DVB-S2X transponders with max. data rate of 200 Mbit/s | - | - | <input checked="" type="checkbox"/> | - | - |

| Type | U 148-X | |
|---|--|--|
| Order number | 380 139 | |
| EAN-Code | 4026187194482 | |
| Number of DVB-S2 input signals | 4 | |
| Number of DVB-S2 transponders | 8 | |
| Number of IP output streams | 8 MPTS, 504 SPTS (SPTS license afforded) | |
| Interfaces | | |
| Management | 2 x 100 Base-T Ethernet (RJ 45) | |
| Data | 2 x 1000 Base-T Ethernet (RJ 45) | |
| Protocols | IEEE802.3 Ethernet, RTP, ARP, IPv4, TCP/UDP, HTTP, SNMP, IGMPv3 | |
| Transportstream Encapsulation | | |
| Protocols | UDP, UDP / RTP, 1-7 packets, FEC | |
| Packet length | [Bytes] | 188 / 204 |
| DVB-S demodulator | | |
| DVB-S modulation | DVB-S2X ready; QPSK; 8PSK; 16APSK; 32APSK | |
| Input frequency range | [MHz] | 950 - 2150 |
| Input level | [dBμV] | 40 - 80 |
| SAT-IF input | [Ω] | 75, F-jack |
| Reflection loss | [dB] | ≥ 10 |
| Input symbol rate | [MS/s] | max. 45,0 (depends on DVB-S2 Modulation) |
| DVB-S Roll-off-factors | 0,20; 0,25; 0,35 | |
| DVB-S LDPC | 1/2; 1/3; ¼; 2/3; 2/5; 3/5; 4/5; 5/6; 8/9; 9/10 (depends on DVB-S2 Modulation) | |
| Viterbi decoding (according DVB standard) | 1/2; 2/3; 3/4; 5/6; 7/8; automatically / manually | |
| DiSEqC Control | <input checked="" type="checkbox"/> | |
| RF inputs | | |
| Connectors | [Ω] | 75, 4 x F-jack |
| Common data | | |
| Current consumption at 48 V | [mA] | 580 |
| Power consumption at 36 - 60 V | [W] | 28 per module |
| Input voltage | [V] | 36 - 60 |
| Dimensions | 1 HU, 19 inch | |
| Ambient temperature | [°C] | 0 ... +45 |