



DVB-S2 to IP Streamer



- signal converter for the U 100 base unit
- for the conversion of four DVB-S2 input signals to IP multicast
- four CI slots with multichannel decoding in combination with professional CAM
- eight IP MPTS (4 x FTA & 4 x scrambled) and up to 504 IP SPTS (enabling SPTS via license)
- on-board 1 x 4 in 4 multiplexer (enabling multiplexer via license)
- further features available, to be enabled with license
- (SSL, RADIUS & BISS descrambling, as well as blind scan and carrier monitoring)
- Multiple Input Stream (MIS / Input Stream Identifier)
- up to 12 streams per rack unit

License	Ord.nr.	Description	
U SSL	380 133	To enable the SSL function activating the TLS protocol (SSL) for encrypted communication via https	☒
U Radius	380 136	For unlocking the RADIUS client-server-protocol	☒
U SPTS	380 146	To enable the SPTS streaming function	☒
U 149 SPTS	380 153	U 149-X license to enable the SPTS streaming function	-
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
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	☒
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)	☒
U Streamer BISS	380 134	For unlocking the BISS function of U 100 streamer modules	☒
U Wideband Mode	380 156	For unlocking wideband mode; exception of DVB-S2X transponders with max. data rate of 200 Mbit/s	-

Type	U 144-X
Order number	380 138
EAN-Code	4026187194475
Number of DVB-S2 input signals	4
Number of DVB-S2 transponders	4
Number of IP output streams	8 (4 FTA and SCR each) 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; 1/4; 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		☒

CI interfaces		
CI slots		4 x (front access)
Supported modules	excerpt (others on request)	Alphacrypt, Aston Conax, Dreamcrypt, Entavio CAM, GkWare BISS CAM, Homecast CAM, ICECrypt, Ideto Access, Kid CAM, Mascom Cryptoworks, Matrix CAM, Mediaguard Canal Digitaal, Nagravision, Oasis CAM, PCMCIA CAM, Premiere, Worldcam, TechniCam Beta2, Technicrypt, TPS, Reality CAM, SMT, Universal CAM, Viaccess, Videoguard CAM
Connectors		4 x PCMCIA

RF inputs		
Connectors	[Ω]	75, 4 x F-jack

Common data		
Current consumption at 48 V	[mA]	530
Power consumption at 36 - 60 V	[W]	25
Input voltage	[V]	36 - 60
Dimensions		1 HU, 19 inch
Ambient temperature	[°C]	0 ... +45