GOING FUTURE TODAY.

ASTRO®

DVB-S2 to IP Streamer

Made in
Germany

SPTS + MPTS
Multiplexing

U 149-X

Backplane:

Direct Digital **DD**®
by ASTRO

- signal converter for the U 100 base unit
- for the conversion of 16 DVB-S2 input signals to IP multicast
- 16 IP MPTS and up to 504 IP SPTS (enabling SPTS via license)
- wideband mode for carriers with high data rate (up to 200 Mbit/s)
- further features available, to be enabled with license (SSL and RADIUS)
- up to 48 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	-
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 wiedeband mode; reception of DVB-S2X transponders with max. data rate of 200 Mbit/s	☑

Type		U 149-X
Order number		380 152
EAN-Code		4026187198923
Number of DVB-S2 input signals		4
Number of DVB-S2 carriers, up to*		16 / 4 @ high bandwidth mode
Number of IP output streams		16 MPTS, 504 SPTS (license)
Interfaces		
Management		2 x 100 Base-T Ethernet (RJ 45)
Data		2 x 1000 Base-T Ethernet (RJ 45), max. payload 800 Mbit/s
Protocols		IEEE802.3 Ethernet, RTP, ARP, IPv4, TCP/UDP, HTTP, SNTP, IGMPv3
Transportstream Encapsulation		
Protocols		UDP, UDP / RTP, 1-7 packets, FEC
Packet length	[Bytes]	188 / 204
DVB demodulator		
DVB 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); max. 70 @ high data rate mode (U 149-X)
TS bandwidth	[Mbit/s]	up to 120 @ high density mode ≤ 200 @ high bandwidth mode
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		☑
RF inputs		
Connectors	[Ω]	75, 4 x F-jack
Common data		
Current consumption at 48 V	[mA]	650
Power consumption at 36 - 60 V	[W]	32 per module
Input voltage	[V]	36 - 60
Dimensions		1 RU, 19 inch
Ambient temperature	[°C]	0 … +45

* maximum number of carriers depending on modcod