

Monitoring Functions

- Blind Scan to recognize piracy, jamming and changed uplink parameters (see figure)

The scanned parameters are among others: Frequency, SR, Mode (S or S2), Pilot, Spectrum...

- Monitoring mode for a tuned frequency / transponder

The monitoring mode for a transponder compares values set as reference, with the actually transmitted parameters. Deviations can be recognized and depending on the configuration, those deviations can lead to a switch-off of the corresponding IP Tx's, or just to a message for the management system.



Backplane:



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		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		<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