ASTRO U 174

SIGNAL CONVERTER IP TO COFDM

- plug-in module for U 100 base unit
- for processing of up to 4 IP multicast groups of a Gigabit Ethernet MPEG TS into 4 standard COFDM channels
- COFDM channels are led through as two adjacent channels
- outstanding signal parameters by Direct Digital technology (MER: ≥ 43 dB; shoulder attenuation: ≥ 56 dB)
- RTP, FEC, IGMPv3
- optionally available output channel filters (U-KF) allow for maintaining the high signal quality even after combining
- user friendly configuration via web browser
- monitored fan

SPECIFICATIONS

NETWORK INTERFACES (PASSIVE ROUTING TO U 1XX)		
Management; Data		2 x 100 Base-T Ethernet (RJ 45); 2 x 1000 Base-T Ethernet (RJ 45)
Protocol		Ethernet, ARP, IPv4, IPv6, UDP, RTP, TCP, HTTP(S), SNTP, SNMP v2c/v3, Syslog, IGMP v2/v3, MLD v1/v2
TRANSPORT STREAM EDITING		
TS Decapsulation		UDP, UDP / RTP, 1-7 packets, FEC
Packet length	[Bytes]	188 / 204
COFDM-MODULATOR		
COFDM Modus; Carrier Modulation		2k / 8k; QPSK, 16-, 64-QAM
Bandwidth	[MHz]	6, 7, 8
Maximum bitrate per output channel	[Mbit/s]	31,668
Signal processing		acc. DVB-Standard
Coding rate; Guard-Intervals		1/2, 2/3, 3/4, 5/6, 7/8; 1/4, 1/8, 1/16, 1/32
Data rate correction		☑
PCR-Correction (< 500 ns gemäß DVB)		☑
NIT-Handling (static)		☑
PID Remapping		☑
PID Filtering		Drop or Pass PID-Filter
MER (Equalizer)	[dB]	≥ 43
Shoulder attenuation	[dB]	> 56 (< 700 MHz); > 54 (≥ 700 MHz)
RF-MODULATOR		
Connectors	[Ω]	75, 2 x F-jack
Frequency range	[MHz]	47 - 862, digital modulation
Frequency drift	[kHz]	< 10
Output level	[dBµV]	114
Intermodulation distance	[dB]	> 60
Return loss	[dB]	> 14
COMMON DATA		
Power consumption	[W]	28,1
Dimensions		19´´, 1 HE (U 100 base unit)
Ambient temperature	[°C]	0...+45

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