

ASTRO V 505

2X DVB-S2 TO 1X2 QAM

- plugin card for modular base unit V 16
- for processing of DVB-S(2) modulated SAT-IF signals into 2 QAM adjacent channels
- integrated data rate adjustment
- PCR correction
- NIT generation
- 8 manual PID filters
- one slot for channel selective output filters
- outstanding output parameters by Direct Digital Technology



DVB-S(2) DEMODULATOR		
Connectors	[Ω]	F-jack, 75
Input frequency range	[MHz]	920-2150
Input level	[dBμV]	50-80
Input symbol rate	[MS/s]	DVB-S: 1-45; DVB-S2: 2-47 (QPSK), 2-31,5 (8PSK)
DVB-S Viterbi		1/2, 2/3, 3/4, 5/6, 6/7, 7/8
DVB-S2 LDPC		1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
DVB-S2 Roll-off-factors		0,20; 0,25; 0,35
DVB-S2 modulation		QPSK, 8PSK
QAM MODULATOR		
Modulation		16-, 32-, 64-, 128-, 256-QAM
Signal Processing		According to DVB standard
Spectrum shaping cos roll off		15
FEC		Reed-Solomon (204, 188)
Output symbol rate	[MS/s]	1-7, 49
Bandwidth	[MHz]	2-10
Cross data rate	[MBit/s]	Max. 55,2
TS PROCESSING		
Data rate adaption		☒
PCR correction		☒
NIT handling		☒
PID remapping		☒
Operator-ID		☒
RF-OUTPUT		
Channel selective output filters pluggable		☒
Connectors	[Ω]	IEC-jack, 75
Channel allocation		1 x 2
MER (Equalizer, 64 QAM)	[dB]	Typ. ≥ 45
Frequency range	[MHz]	47-862 (K2-K69) adjustable in 0,1 MHz steps
Output level	[dBμV]	80...96, adjustable
Spurious suppression 40-862 MHz > 950 MHz	[dB]	> 60 discrete interferers / > 57 noise interferences > 20 based on 100 dBTV system level and operating level 90 dB microvolts
COMMON DATA		
Power consumption	[W]	8,2
Ambient temperature	[°C]	0...+50