

X-QAM quad

4-way DVB-S2 to QAM converter

Professional SAT-processing



Direct Digital 
 by ASTRO



DVB-S2
 SATELLITE

HD4U
 by ASTRO

- транскодирует 4 DVB-S(2)-модулированных SATсигналов в 4 QAM выходных потока двумя независимыми парами соседних каналов
- использование технологии Direct Digital позволяет достичь высочайших выходных параметров, такие как: MER typ. 45 dB
- возможна трансмодуляция DVB-S2/HDTV в QAM256.
- обработка MPEG потока: настройка скорости потока, удаление нежелательных сервисов, PCR-correction, PID-filter (pass and drop service filter), NIT-generation

DVB-S(2) demodulator		
Input frequency range	[MHz]	920 - 2150
Input level	[dBμV]	50 - 80
SAT IF input	[Ω]	F-jack, 75
Input symbol rate	[MS/s]	maximum 30,0
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 DVB-C standard
Spectrum shape cos-roll-off	[%]	15
FEC		Reed-Solomon (204,188)-Code
Data rate adjustment		✓
PCR correction / NIT handling		✓
PID filter		Pass or Drop Service Filter
Output symbol rate	[MSym]	depends on input data rate, 3,45 - 6,9
Bandwidth	[MHz]	depends on input data rate, 4 - 8
Brutto data rate	[MBit/s]	maximum 55,2
RF output		
Connectors	[Ω]	IEC jack, 75
Frequency range	[MHz]	47 - 862 (C 2 - C 69) in 1-MHz-steps adjustable
Output level	[dBμV]	80 ... 96, adjustable
MER (Equalizer, 64 QAM)	[dB]	typ. 45
Spurious freq. distance 40 - 862 MHz >950 MHz	[dB]	> 60 discrete interferences / > 57 noise interferences > 20 relating to 100 dBμV system level and 90 dBμV operating level
Common data		
Power consumption	[W]	15,8
Ambient temperature	[°C]	0... +50