

ASTRO X-COFDM duo CT2

SIGNAL CONVERTER DVB-C, DVB-T OR DVB-T2 INTO COFDM



- plugin card for modular base units X-8 twin and V16
- for processing 2 DVB-C, DVB-T or DVB-T2 signals into COFDM
- integrated data rate adjustment
- PCR correction
- NIT generation
- PID filter
- WSS, teletext, VPS, different analogue TV standards programmable
- outstanding output parameters by Direct Digital Technology

SPECIFICATIONS

TYPE		X-COFDM DUO CT2	X-COFDM DUO CT2 CI
Frontend connectors	[Ω]	F-jack, 75	
DVB-C DEMODULATOR			
Input data rate	[Mbaud]	0,5 – 7	
Modulation types		QPSK, QAM16, QAM32, QAM64, QAM128, QAM256	
DVB-T AND DVB-T2 DEMODULATOR			
Modulation		DVB-T: 4-, 16-, 64-QAM DVB-T2: 4-, 16-, 64-QAM, 256-QAM	
Guard-Intervall		DVB-T: 1/4; 1/8; 1/16; 1/32 DVB-T2: 1/4; 5/32; 1/8; 5/64; 1/16; 1/32; 1/64; 1/128	
FEC		DVB-T: 1/2; 2/3; 3/4; 5/6; 7/8 DVB-T2: 1/2; 3/5; 2/3; 3/4; 4/5; 5/6	
FFT-Mode		DVB-T: 2k, 8k DVB-T2: 1k, 2k, 4k, 8k, 16k, 32k	
Bandwidth	[MHz]	DVB-T: 6; 7; 8 DVB-T2: 5; 6; 7; 8	
Remote power supply	[V]	5, typ. 100 mA, switchable	
COFDM MODULATOR			
Signal processing		accord. DIN EN 300744	
Transmission modes		2k (8k on request)	
Modulation		QPSK; 16 QAM; 64 QAM	
Coding rates		1/2; 2/3; 3/4; 5/6; 6/7; 7/8	
Bandwidth	[MHz]	6; 7; 8	
TS EDITING			
Data rate adjustment		yes	
PCR correction		yes	
PID remapping		yes	
Service filter		Pass- / Drop-Filter	
CI interface			yes
RF OUTPUT			
channel selective filter pluggable		no	
Connectors	[Ω]	IEC-jack, 75	
Frequency range	[MHz]	47 - 862 (K2 - K69) in 0,1 MHz steps adjustable	
Output level	[dBμV]	80...96 adjustable	
MER (Equalizer, 64 QAM)	[dB]	typ. 36	
Spurious frequency dist. 47 - 862 MHz	[dB]	> 60 discrete interference / > 57, noise interference	
COMMON DATA			
Power consumption	[W]	12,8	14,2
Ambient temperature	[°C]	0...+50	