



Order number: 20610136

Open text field 1:

Standalone headunit with 8-way multi-standard frontend DVB-S(2)/T(2)/C, 6-way decoding (CI) and eight DVB-compliant output channels (flexibly adjustable):
 High level of energy efficiency
 For sat IF inputs with DiSEqC TM1.0 functionality for sat multi-switches and one terrestrial / cable input for flexible distribution to eight multi-standard frontends
 Comprehensive baseband signal processing, e.g. with channel filter functionality, NIT, LCN
 Eight output channels in DVB-T with six CI slots
 Maintenance free and silent thanks to fanless device design
 Cascadable (16-way multi-standard frontend, 12-way decoding (CI) and 16 x QAM/COFDM) using UFO link
 Outstanding output values due to direct implementation as FPGA solution
 All transmission parameters can be adjusted using the USW 800 management program
 Remote maintenance and configuration
 Transmission of saved configurations and channel lists to additional installations

Hersteller: Kathrein

UFO 83/CI

Product information "UFO 83/CI"

UFOMini headend, 8-way with CI, Input: 4 x sat IF with DiSEqC 1.0 and 1 x multi-frontend DVB-T/T2, DVB-C, Frontend: 8-way DVB-S/S2, DVB-T/T2, DVB-C, Backend: 8 x DVB-T; TS processor, 6 x CI decoding; COFDM modulator; Programming using USW 800

Type:	UFO 83/CI

DVB-S demodulation:	
Level stability:	± 0,8 dB
6 CAM insert positions:	PCMCIA interface
Standard:	EN 300 421, EN 300 429/ITU J.83 Annex A/C, EN 302 307, TR 102-376, EN 300744, NorDig Unified 2.2.1, D-Book 7.0, Supports all C.R, G.I, LP and HP streams, EN 302755-V1.31, DVB-T2 Lite compliant, Single and multiple PLP-Support, NorDig Unified 2.2.1, D-Book 7.0
Guard interval:	1/4, 1/8, 1/16, 1/32, 1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
DVB-S2 demodulation:	
Frequency range:	42-870 MHz, 42-1002 MHz, 47-1006 (fine tuning in 125 kHz steps) MHz, 950-2150 MHz
Output:	1 x F-Connector, 75 Ω
TS routing CAM:	Individual and serial decoding

DVB-T (COFDM) demodulation:	
MER:	typ. 40 dB
Pre-emphasis:	8 dBµV
Shoulder attenuation:	≥ 60 (at normal level) dB
Frequency range (channel list):	47-86/110-862 (set-up via channel list) MHz
DVB-T2 (COFDM) demodulation:	

Modulator:	
Protective shut-down:	> 70 °C
Output channels:	8 x DVB-T, 2k mode
LCN data:	NorDig Descriptor V1, IEC 62216, FRANSAT PRO
DiSEqC™ 1.0:	Vert./Horiz., Low/High; Sat. pos. (A/B/C/D)
Dimensions (H x W x D):	97 x 350 x 244 mm
Frequency grid:	1 MHz
Power consumption:	38-47 *) W

MPEG-TS processor:	
Decoupling:	> 25 dB
Frequency stability:	35 ppm
Output level:	105 dBµV
Decoding:	

Frontend:	
Stuffing:	Automatic
Code rate:	1/2, 2/3, 3/4, 5/6, 7/8
Permissible level difference:	20 dB
Input level range:	60-100 dBµV
PSI/SI processing:	Cable NIT, LCN, PCR correction, CAT
AFC regulation range:	± 5 MHz
Symbol rate:	- MS/s
Code rate (LDPC):	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

System data:	
Code rate (Viterbi):	1/2, 2/3, 3/4, 5/6, 7/8
DVB-S/S2/T/T2/C:	8 x
Spurious emissions:	≥ 60 dB
Input symbol rate:	1-7.2 MS/s
Switching levels:	14/18, 0/22 V/kHz
Input symbol rate 8PSK:	1-45 MS/s
FEC:	1/2, 2/3, 3/4, 5/6, 7/8, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Temperature range:	0 to +45 °C
Input symbol rate QPSK:	1-45 MS/s
Power supply voltage:	100-240 V
Remote feed current for active antenna (5V):	100 (at F socket no. 5) mA
Bandwidth:	1,7/5/6/7/8 MHz, 6, 7, 8 MHz
Terrestrial/cable input:	1 x F-Connector, 75 Ω
Roll off:	-,, 20/25/35 %, 35 %
Remote feed current for LNB:	Max. 250 (at F socket no. 3), max. 60 (at F socket no. 1, 2, 4)
Test output:	
Return loss:	14 (47 MHz) -1,5 dB/Okt. dB, Typ. 10 dB
Test socket:	1 x F-Connector, 75 Ω
Constellation:	4/16/32/64/128/256 QAM, QPSK, 16 QAM, 64 QAM, QPSK, 16 QAM, 64 QAM, 256 QAM, QPSK, 16/64 QAM

DVB-C demodulation:	
Inputs:	
Level relative to the output:	25 dB
Output level setting range:	-20 (in 0.5 dB steps) dB
Sat IF input:	4 x F connector, 75 Ω
FFT mode:	1k, 2k, 4k, 8k, 16k, 32k, 2k, 8k
Weight:	Approx. 4.5 kg

*)The power consumption depends on the input and output configuration (specification without LNB supply or remote feeding for active antennas)