

Order number: 206000004

Open text field 1:



- Standalone headunit with 16-way frontend DVB-S(2) and 2-way multi-standard frontend DVB-T(2)/C and 18 DVB-C compliant output channels (flexibly adjustable)
- 18 output channels in DVB-C with six CI slots
- High level of energy efficiency
- Eight sat IF inputs with DiSEqC™ 1.0 functionality for sat multi-switches and a terrestrial/cable input, for flexible distribution to 2 multi-standard frontends
- All transmission parameters can be adjusted using the USW 800 management program
- Remote maintenance and configuration
- Transmission of saved configurations and channel lists to other installations
- Comprehensive baseband signal processing, e.g. with extended channel filter functionality, NIT, LCN
- Maintenance free and silent thanks to fanless device design
- 4-way cascading possible using UFO link
- Outstanding specification due to direct implementation as FPGA solution



Hersteller: Kathrein

## UFO 87-18/CI

### Product information "UFO 87-18/CI"

UFOmini headend: 16-way with CI, input: 8 x sat IF with DiSEqC 1.0 and 1 x multi-frontend DVB-S/S2, DVB-T/T2, DVB-C, Frontend: 16 way DVB-S/S2 and 2 way DVB-S/S2, DVB-T/T2, DVB-C, Backend: 18 x DVB-C, TS processor, 8 x CAM insertion position, QAM modulator, Programming using USW 800

Type:	UFO 87-18
Order no.:	206000003
<b>Inputs:</b>	
Sat IF input:	8 x F-Connector, 75 Ω
Sat-IF/terrestrial/cable input:	1 x F-Connector, 75 Ω
DVB-S frequency range:	862-2150 MHz
Decoupling:	> 25 dB
Input return loss:	Typ. 10 dB
DiSEqC™ 1.0:	Vert./Horiz., Low/High; Sat. pos. (AB/C/D)
Switching levels:	14/18, 0/22 Vdc
Remote feed current for LNB:	Max. 250 (at F socket no. 3 and 7), max. 100 (at F socket no. 1, 2, 4, 5, 6, 8) mA
Remote feed current for active antenna (AV):	50 (at F socket no. 9) mA
<b>Frontend:</b>	
DVB-Si-S2:	16 x
DVB-Si-S2/T2/C:	2 x
Frequency grid:	1 MHz
Input level range:	60-100 dBμV
Permissible level difference:	20 dB
<b>DVB-S demodulation:</b>	
DVB-S standard:	EN 300 421
DVB-S input symbol rate QPSK:	1-45 MS/s
DVB-S code rate (Viterbi):	1/2, 2/3, 3/4, 5/6, 7/8
DVB-S roll off:	20/25/35 %
DVB-S AFC regulation range:	± 5 MHz
<b>DVB-S2 demodulation:</b>	
DVB-S2 standard:	EN 302 307, TR 102-376
DVB-S2 input symbol rate QPSK:	1-45 MS/s
DVB-S2 code rate (LDPC) QPSK:	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
DVB-S2 input symbol rate 8PSK:	1-45 MS/s
DVB-S2 code rate (LDPC) 8PSK:	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
SVB-S2 roll off:	20/25/35 %
<b>DVB-T (COFDM) demodulation:</b>	
DVB-T standard:	EN 300744, NorDig Unified 2.2.1, D-Book 7.0, Supports all C, R, G, I, LP and HP streams
DVB-T frequency range:	42-870 MHz
DVB-T guard interval:	1/4, 1/8, 1/16, 1/32
DVB-T FEC:	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T FFT mode:	2k, 8k
DVB-T bandwidth:	6/7/8 MHz
DVB-T constellation:	QPSK, 16 QAM, 64 QAM
<b>DVB-T2 (COFDM) demodulation:</b>	
DVB-T2 standard:	EN 302755-V1.3.1, DVB-T2 Lite compliant, Single and multiple PLP-Support, NorDig Unified 2.2.1, D-Book 7.0
DVB-T2 guard interval:	1/128, 1/32, 1/16, 1/8, 1/9256, 1/8, 1/9128, 1/4
DVB-T2 FEC:	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
DVB-T2 FFT mode:	1k, 2k, 4k, 8k, 16k, 32k
DVB-T2 bandwidth:	1,75/8/8 MHz
DVB-T2 constellation:	QPSK, 16 QAM, 64 QAM, 256 QAM
<b>DVB-C demodulation:</b>	
DVB-C standard:	EN 300 429/ITU J.83 Annex A/C
DVB-C frequency range:	47-862 MHz
DVB-C input symbol rate:	1-7.2 MHz
DVB-C constellation:	4/16/32/64/128/256 QAM
Programme filter:	*
PSI/SI processing:	Cable NIT, LCN, PCR correction, CAT
LCN data:	NorDig Descriptor V1
Stuffing:	Automatic
<b>Decoding:</b>	
8 CAM insert positions:	PCMCIA interface
TS routing CAM:	Individual and serial decoding
<b>Modulator:</b>	
Modulator output channels:	18 x DVB-C (J.83A)
Modulator constellation:	16/32/64/128/256 QAM
Modulator symbol rate:	2.25-7.25 MS/s
Modulator roll off:	15 %
<b>RF output connection:</b>	
RF output connection:	1 x F-Connector, 75 Ω
RF output frequency range:	47-1006 (fine tuning in 125 kHz steps) MHz
RF output frequency range (channel list):	47-86/110-862 (set-up via channel list) MHz
RF output return loss:	14 (47 MHz) -1.5 dB/Chk, dB
RF output level:	107 dBμV
RF output level setting range:	-20 (in 0.5 dB steps) dB
RF output level stability:	Typ. ± 0.5 dB
RF output frequency stability:	35 ppm
RF output MER:	Typ. ≥ 45 dB
RF output shoulder attenuation:	≥ 60 (at normal level) dB
RF output spurious emissions:	≥ 60 dB
<b>Test output:</b>	
Test socket:	1 x F-Connector, 75 Ω
Level relative to the output:	25 dB
Power consumption:	35-39 *)W
Temperature range:	0 to +45 °C
Power supply voltage:	100-240 V
Protective shut-down:	> 70 °C
Dimensions (W x H x D):	350 x 97 x 244 mm
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)

**Mehr Bilder zu "UFO 87-18/C1"**