

**MK 8-20 DVB headend | 8 × DVB-S/S2/S2X/T/T2/C into 8 × DVB-T2**



- ✓ 8 independent multituner inputs
- ✓ Transmodulates 8 × DVB-S/S2/S2X/T/T2/C into 8 × DVB-T2
- ✓ Single cable reception I and II possible
- ✓ Output modulation configurable
- ✓ Optimized capacity management
- ✓ Remux | Crossmultiplex
- ✓ PID Filtering (software extension required)
- ✓ Interface for CASimulcrypt Server (software extension required)
- ✓ Web-based configuration, remote maintenance (SMARTPortal)
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ Can be used for wall mounting or as a 19" unit

**Order information**

Type	MK 8-20
Order no.	MK00820
GTIN	7611682008500
PE	1
VE	1
EU customs tariff number	85256000



**Technical data**

Inputs	
Number of tuners	8 × DVB-S/S2/S2X/T/T2/C
Connector	8 × F-female
Frequency range	900...2150 MHz @ DVB-S/S2/S2X 50...898 MHz @ DVB-C 50...898 MHz @ DVB-T/T2
Channel bandwidth	6/7/8 MHz @ DVB-T/T2
Input level	43...84 dBµV @ DVB-S/S2/S2X 49...84 dBµV @ DVB-C 39...84 dBµV @ DVB-T/T2
LNB voltage	13/17 V; 22 kHz on/off; DiSEqC 1.0
Max. LNB current	250 mA per input 1000 mA per device
Input modulation	
Type	QPSK/8PSK/16PSK/32PSK @ DVB-S/S2/S2X QAM16, QAM32, QAM64, QAM128, QAM256 @ DVB-C QPSK, QAM16, QAM64 @ DVB-T QPSK, QAM16, QAM64, QAM256 @ DVB-T2
Compliance	DVB-S = EN 300 421 DVB-S2 = EN 302 307-1V1.4.1 DVB-S2X = EN 302 307-2V1.1.1 DVB-C = EN 300 429/ITU-TJ.83 Annex A/C DVB-T = EN 300 744 DVB-T2 = ETSI EN 302 755
Supported input transport streams	MPEG-2 ISO/IEC 13818   MPEG-4 ISO/IEC 14496
Error correction	auto
Symbol rate	1.5...45 MS/s (< 40 MS/s in 32APSK) @ DVB-S/S2/S2X 1...7.2 Mbaud @ DVB-C
Transportstreams	
Modifiable program information	Program name, SID remapping, PID remapping, PID filtering* TSID, ONID
Encryption	DVB-CSA*, DVB-CISSA*, ATIS-IDSA*, AES-ECB*, AES-CBC*
Output	
Number of channels	8 × DVB-T2
Frequency range	109 ... 862 MHz
Channels selectable	S2...K69 @ DVB-T2
Channel bandwidth	7/8 MHz
Possible frequency shift	-4 ... +4 MHz (0,5 MHz steps)
Connector	1 × F-female
Impedance	75 Ω
Output level adjustable	78 ... 98 dBµV @ DVB-T2
Output modulation	

Compliance	DVB-T2 (EN 302 755, mode A (single PLP)) EN 50083-9   ETSI TS 101 154   ETSI EN300 429   ETSI EN 300 744
Type	QPSK, QAM16, QAM64, QAM256
MER	≥ 43 dB
Bit rate, max	47.7 Mbps
FFT	1K, 2K, 4K, 8K, 8Kext, 16K, 16Kext mode @ 8 ch. 32K, 32Kext mode @ 4 ch. only
FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Guard interval	1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
<b>Interfaces</b>	
Ethernet connectors	1 × RJ 45
Ethernet standards	IEEE 802.3, 100 Base-T
Supported configuration protocols	HTTP, SNMP v1, SNMP v2c, AXING SMARTPortal**
<b>General</b>	
Operating temperature range (acc. to EN 60065)	-10°C...+50°C
Operating voltage	100 ... 240 VAC/50 ... 60 Hz
Power consumption	50 W
Equipotential bonding connection	4 mm <sup>2</sup>
Dimensions (W × H × D) appr.	480 × 253 × 47 mm
Weight	2.550 kg
Comments	* with software extension only ** encrypted, cloud-based application for configuration, monitoring and remote maintenance

## Suitable products

[MKZ 1-00 Front panel for 19" usage](#)

[MKS 1-01 Software extension for PID filtering](#)

[MKS 1-02 Software extension for CASimulcrypt](#)