MIE 4-02 IP to DVB-T2 | 4K | 47.7 Mbps

- ✔ Modular system, includes 1 module
- ✔ Two redundant IPTV inputs (900 Mbps)
- ✔ Supports SPTS and MPTS (also mixed)
- ✔ Transmodulates max. 512 input streams in 4 DVB-T2 output channels
- ✔ FFT max. 4k | Bitrate max. 47.7 Mbps
- ✔ Re-Multiplexing and PID Filtering
- ✔ Program duplication
- ✔ Device redundancy configurable (software extension required)
- ✔ OTA upgrade e.g. for Set Top Boxes possible
- ✔ Interface for CASimulcrypt Server (software extension required)
- ✔ Web-based configuration, suitable for AXING SMARTPortal
- ✔ Supports SNMPv1 and SNMPv2c
- ✔ 2 × redundant power supply units (also available as 36...60 VDC version)
- ✔ 19" housing, 1RU

Order information

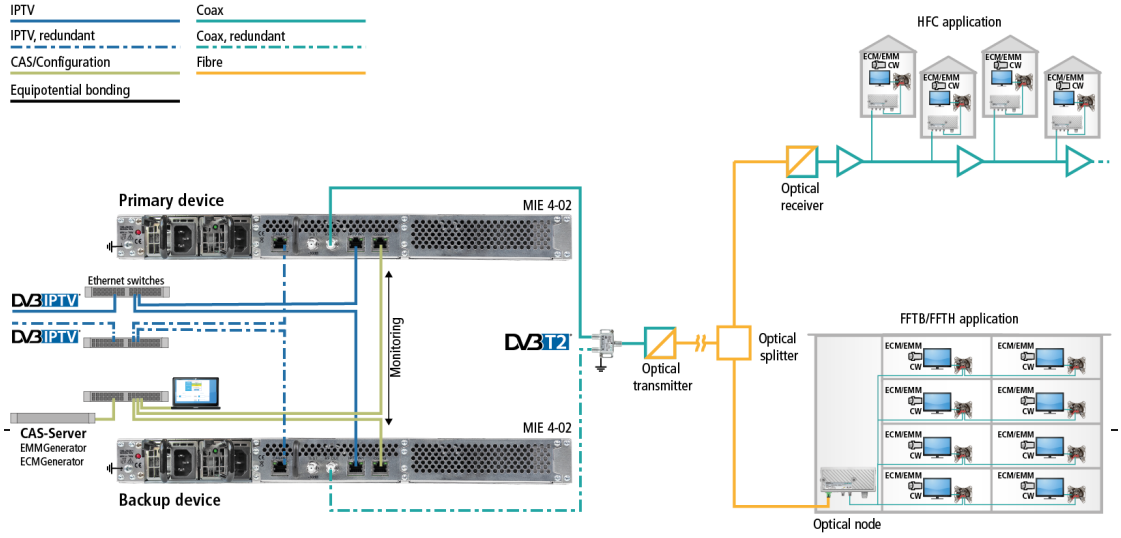
Type	MIE 4-02
Order no.	MIE00402
GTIN	7611682007237
PE	1
VE	1
EU customs tariff number	85176990

Technical data

IPTV input	
Supported input transport streams	SPTS, MPTS (CBR/VBR)
Max. number (out of SPTS or MPTS)	512
Supported protocols	IP V4; UDP; RTP; IGMP v2, v3
Total net data rate	1 × 900 Mbps
Transportstreams	
Modifiable program information	Program name, SID remapping, PID filtering, TSID, ONID
PCR correction	automatic, adaptive, <500 ns
LCN	Yes
EPG regeneration	Yes
Encryption	DVB-CSA* | DVB-CISSA* | ATIS-IDSA* | AES-ECB* | AES-CBC*
Output	
Number of channels	1 × 4 × DVB-T2
Frequency range	109…862 MHz
Channels selectable	S2…K69
Channel bandwidth	7/8 MHz
Net mode	MFN
Connector	1 × F-female
Test port	1 × F-female (–30 dB)
Impedance	75 Ω
Output level adjustable	85…105 dBµV
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
L1 post signalling	BPSK, QPSK, 16QAM, 64QAM
Type	QPSK, QAM16, QAM64, QAM256
Supported output formats	MPEG-2/H.262, MPEG-4/H.264 and HEVC/H.265
MER	≥ 43 dB
BER	< 9 x 10-9
Shoulder attenuation	≥ 56 dB
C/N	≥45 dB
Reflection	>14 dB
Bit rate, max	47.7 Mbps

FFT	1K, 2K, 4K mode
FEC type	BCH, LDPC
FEC length	16200, 64800
FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Pilot pattern	PP1…PP8
Guard interval	1/4, 1/8, 1/16, 1/32
Interfaces	
Ethernet connectors	3 × RJ45
Ethernet standards	IEEE 802.3, 100 Base-T @ Control IEEE 802.3, 1000 Base-T /1 GbE @ IPTV IN1, CAS/IN2
Supported configuration protocols	HTTP, SNMP v1, SNMP v2c, AXING SMARTPortal**
General	
Operating temperature range (acc. to EN 60065)	–10°C…+50°C
Storage temperature range (acc. to EN 60065)	–20 °C…+80 °C
Operating voltage	100…240 VAC/50…60 Hz | 48 VDC
Switching power supply	2 (redundant)
Power consumption	30 W
Equipotential bonding connection	4 mm2
Dimensions (W × H × D) appr.	480 × 43 × 275 mm
Weight	3.150 kg
Comments	* with software extension MKS 1-02 only ** switchable to DVB-T by license key *** encrypted, cloud-based application for configuration, monitoring and remote maintenance

Example of use



Suitable products

MIM 4-02 Extension modul for MIE 4-02
MIS 1-11 Software extension for MIE module redundancy
MKS 1-02 Software extension for CASimulcrypt