

MIE 3-02 IP to DVB-T2 | 8Kext | 49.8 Mbps



- ✓ Modular system, includes 1 module
- ✓ Two redundant IPTV inputs (900 Mbps)
- ✓ Supports SPTS and MPTS (also mixed)
- ✓ Transmodulates max. 512 input streams in 3 DVB-T2 output channels
- ✓ FFT max. 8kext | Bitrate max. 49.8 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)
- ✓ Class A according to EN 50083-2
- ✓ Web-based configuration, suitable for AXING SMARTPortal
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ 2 × redundant power supply units
- ✓ 19" housing, 1RU

Order information

| | |
|--------------------------|---------------|
| Type | MIE 3-02 |
| Order no. | MIE00302 |
| GTIN | 7611682007497 |
| PE | 1 |
| VE | 1 |
| EU customs tariff number | 85176990 |



Technical data

IPTV input

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|-----------------------------------|--|
| 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

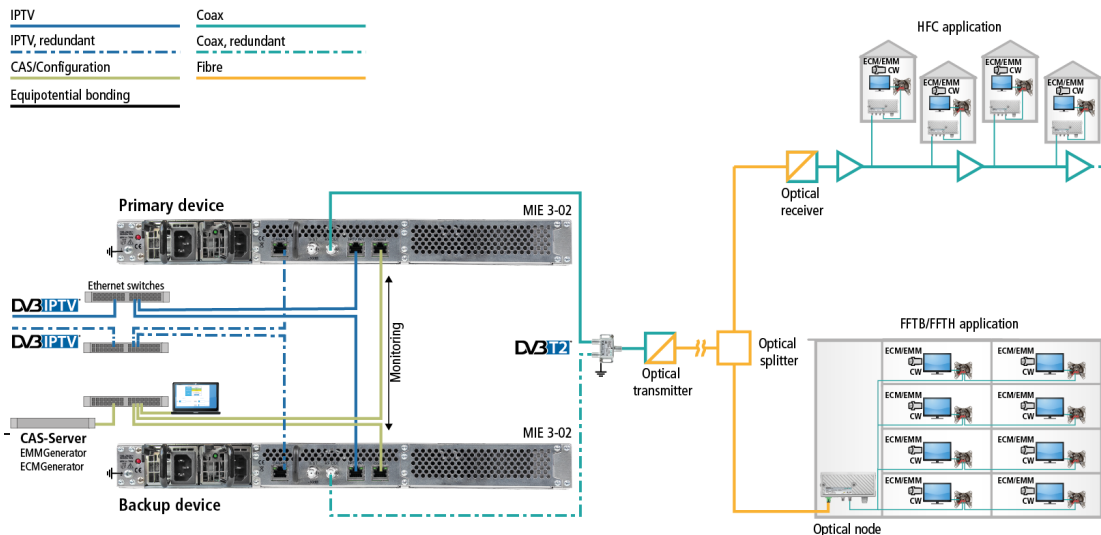
| | |
|--------------------------|-----------------------------|
| Number of channels | 1 × 3 × DVB-T2 |
| Frequency range | 109...862 MHz |
| Channels selectable | 52...K69 |
| Channel bandwidth | 7/8 MHz |
| Net mode | MFN |
| Possible frequency shift | -4...+4 MHz (0.5 MHz steps) |
| Connector | 1 × F-female |
| Test port | 1 × F-female (-30 dB) |
| Impedance | 75 Ω |
| Output level adjustable | 85...105 dBμV |

Output modulation

| | |
|--------------------------|---|
| Compliance | EN 50083-9 ETSI TS 101 154 ETSI EN300 429 ETSI EN 300 744 DVB-T2** acc. to EN 302 755, mode A (single PLP) |
| 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 | ≥ 9x10 ⁻⁹ |
| Shoulder attenuation | ≥ 56 dB |
| C/N | ≥ 45 dB |

| | |
|--|---|
| Reflection | >14 dB |
| Bit rate, max | 49.8 Mbps |
| FFT | 1K, 2K, 4K, 8K, 8Kext 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, 19/128, 1/8, 19/256, 1/16, 1/32, 1/128 |
| Interfaces | |
| IPTV input | 1 x RJ45 |
| CAS/IPTV (redundant) | 1 x RJ45 |
| Compliance IPTV/CAS interfaces | IEEE 802.3, 1000 Base-T (GigE) |
| Control/CAS | 1 x RJ-45 |
| Compliance Control/CAS | IEEE 802.3, 10/100 Base-T |
| Software control and upgrading | Via Remote Access |
| Supported configuration protocols | HTTP, SNMP v1, SNMP, v2c, AXING SMARTPortal*** |
| General | |
| Operating voltage | 100...240 VAC/50...60 Hz 48 VDC |
| Switching power supply | 2 (redundant) |
| Power consumption | 30 W |
| Equipotential bonding connection | 4 mm ² |
| Operating temperature range (acc. to EN 60065) | -10°C...+50°C |
| Storage temperature range (acc. to EN 60065) | -20 °C...+80 °C |
| Dimensions (W x H x D) appr. | 480 x 43 x 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

[MIS 1-11 Software extension for MIE device redundancy](#)

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