

**MIE 3-02N IP to 3 × 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)
- ✓ 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 3-02N
Order no.	MIE00302N
GTIN	7611682008692
PE	1
VE	1
EU customs tariff number	



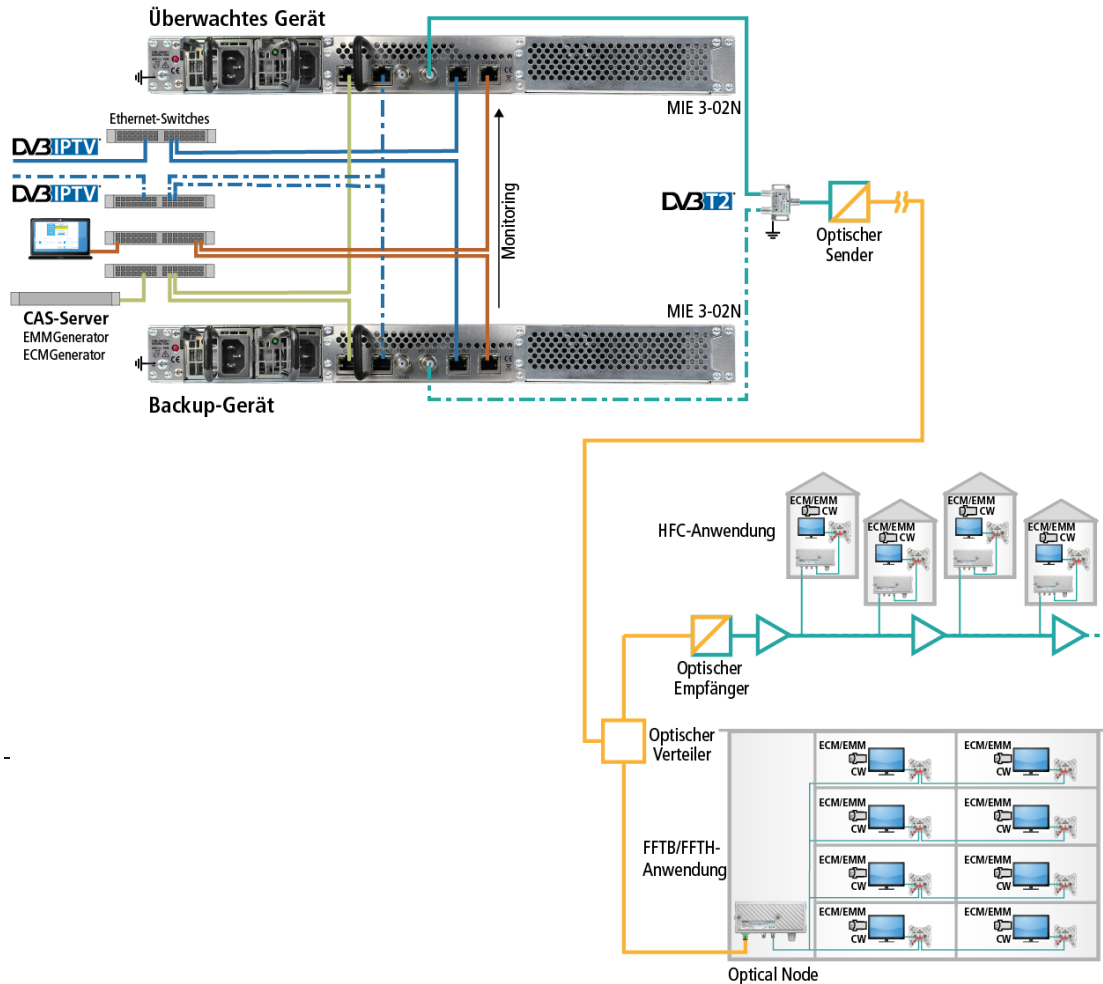
**Technical data**

<b>IPTV input</b>	
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
<b>Transportstreams</b>	
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*
<b>Output</b>	
Number of channels	1 × 3 × DVB-T2
Channels selectable	S2...K69
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
<b>Output modulation</b>	
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	≥ 9x10 <sup>-9</sup>
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
<b>Interfaces</b>	
Ethernet connectors	4 × RJ45
Ethernet standards	IEEE 802.3, 100 Base-T @ Control IEEE 802.3, 1000 Base-T /1 GbE @ IPTV IN1, IPTV IN2, CAS
Supported configuration protocols	HTTP, SNMP v1, SNMP v2c, AXING SMARTPortal**
<b>General</b>	
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 mm <sup>2</sup>
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

IPTV	Koax
IPTV, redundant	Koax, redundant
CAS	Fibre
Konfiguration/Monitoring	Potentialausgleich



## Suitable products

[MIM 3-02N Extension modul for MIE 3-02](#)

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

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