NN6-MIP makes several DVB-T or DVB-H transmitters broadcast the same services over the same channel frequency a synchronized and simultaneous way

- **MIP inserter**: adapts SFN networks by inserting MIP packets (Megaframe Initialisation Packet)

- **Synchronization**: inserts additional information marks in one or two provided MPEG2 TS (based on GPS)

- **Control**: adds signaling means in TS to control remote transmitters

- **TS processing**: adapts bit rate according to provided external reference and recalculates PCRs

**Reliable and robust**
**Alarm management**
**Remote control application**
MIP (Megaframe Initialisation Packet) insertion is one of the frequency planning facilities brought by DVB-T and DVB-H standards: it enables the optimization of available spectrum band by implementing Single Frequency Networks (SFN):

**INPUTS**
- **MPEG TS inputs**: 2x ASI inputs on BNC connectors (75Ω adapted)
- **Bit rate**: from 0.2Mbps to 32Mbps
- **2x hierarchical ASI inputs** (parallel MIP insertion)
- **1+1 ASI redundancy**: operation in non-hierarchical mode

**Reference signals**
- **MPEG2 TS processing**: Reed Solomon error correction
- **Bit rate adaptation + PCR restamping**
- **Timestamp insertion in MIP packets**
- **According to TS 101 191 standard**
- **Network delay compensation function**
- **Time offset control over each transmitter independently**

**Reference signals**
- **Using Tx ID from MIP packets** (up to 50 transmitters supported)
- **Handling of mandatory sections of control information**
- **Upon external reference loss, continued operation**: Internal 1pps signal generation & automatic switching

**OUTPUTS**
- **MPEG TS outputs**: 188 or 204 bytes per packet format
- **In non-hierarchical mode**: 2x mirrored ASI outputs

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**About ENENSYS Technologies:**
ENENSYS Technologies proposes a large range of Digital TV interfaces surely meet your interoperability needs in the field of MPEG2 signals. With its Baseband Converters line, ENENSYS Technologies provides solutions to interface MPEG2 DVB or ATSC baseband signals over DVB-ASI, M2S, DVB-SPI (LVDS, TTL), RS-422, SSI, SMPTE-310, ECL, DHEI... ENENSYS’ Network Adapters product line definitely is broadcasting networks oriented (OFDM, QPSK, QAM...) and also aims at interfacing MPEG2 equipments with IT networks (USB2, IEEE1394, Ethernet...)