



InverTS for HDC

Reverse DVB-T2 Gateway (T2-MI to TS)

THE INVERTS IS ENENSYS' DVB-T2 GATEWAY REVERSE FUNCTION THAT DE-ENCAPSULATES A T2-MI STREAM INTO ONE OR SEVERAL MPEG-2 TRANSPORT STREAMS OVER ASI AND IP.

The **InverTS** is designed to receive a single PLP or Multiple PLP T2-MI stream over Satellite, ASI or IP in order to de-encapsulate the T2-MI stream into one or several MPEG-2 TS over ASI and IP. It outputs the same MPEG-2 TS previously encapsulated by a DVB-T2 Gateway or any T2-MI generator.

The **InverTS** applies to a lot of use cases wherever applications require to retrieve the genuine and multiple MPEG-2 TS that are carried into the T2-MI stream:

- The **InverTS** is the perfect product to optimize the network distribution bandwidth where operators can reuse the services carried into the T2-MI stream for simulcasting with analog TV services, for broadcasting radio services over FM transmitters, or for delivering the same TV channels over different transmission parameters or existing DVB-T transmitters.
- It can be operated for re-multiplexing all or some of the MPEG-2 Transport Streams encapsulated in a T2-MI stream with additional video content for regional distribution or ad insertion purposes.
- The **InverTS** helps monitoring a T2-MI stream either using its optional internal advanced monitoring tools or by connecting it to legacy monitoring tools through ASI or IP. The advanced DVB monitoring option enables to supervise in real-time PLP bandwidth allocation, DVB-T2 transmission parameters and the MPEG-2 TS encapsulated within the T2-MI stream.

APPLICATIONS

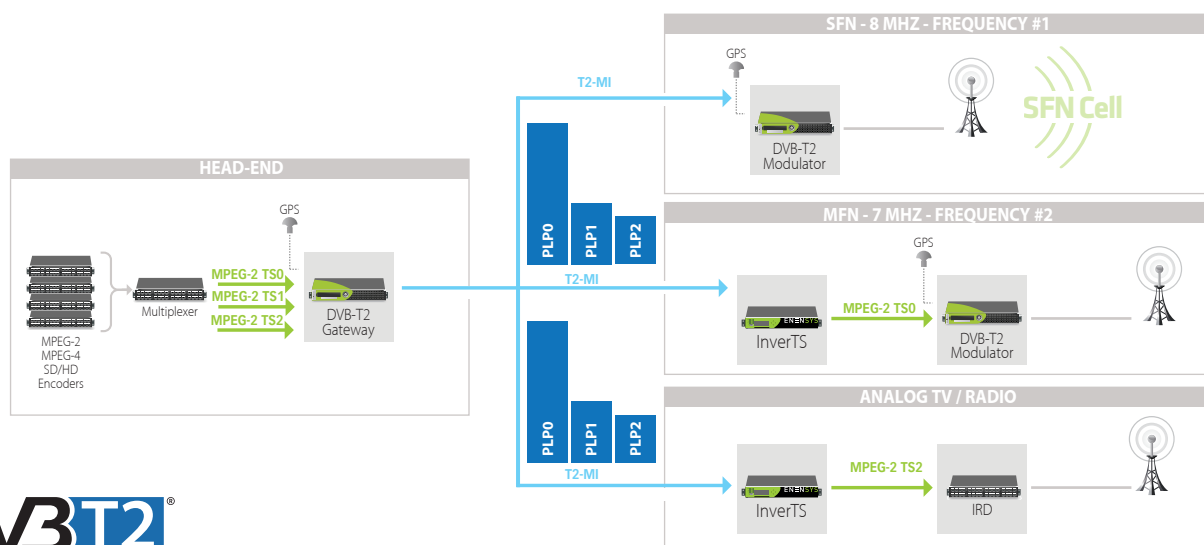
- Reverse DVB-T2 Gateway
- Re-multiplexing with other TS sources
- Simulcasting over different networks
- Video and TS monitoring
- TS processing (splicing, logo insertion, ...)
- Reusing Radio or TV analog transmitters

BENEFITS

- Running in High Density chassis (HDC):
 - to allow multiple InverTS in 1U
 - to combine with T2EdgeDTH, ASIIPGuard, ...
- Reuse DVB legacy tools with MPEG-2 TS input
- Support MPLP services
- Bandwidth optimization of network distribution
- Cost effective with built-in satellite input

CHARACTERISTICS

- Versatile inputs (satellite, ASI, IP)
- De-encapsulation of T2-MI stream
- Single and Multiple PLP management
- PLP allocation and L1 signaling monitoring
- Display TS structure within the T2-MI stream
- ASI inputs/outputs by default
- IP inputs/outputs as option
- Satellite input as option
- Output one or several MPEG-2 TS over ASI and IP
- Easy-to-use web based GUI
- Full SNMPv2 support





INPUTS

Control	1x Gigabit Ethernet (RJ45) for GUI/SNMP
T2-MI	2x redundant ASI (BNC) inputs 1x Gigabit Ethernet (RJ45) - Option for UDP/IP input streams 1x DVB-S/S2 input (F-type) - Option

OUTPUTS

MPEG-2 TS	2x ASI (BNC) outputs 1x Gigabit Ethernet - Option for RTP/UDP/IP output streams
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FEATURING

DVB-T2 standard	V1.1.1, V1.2.1, V1.3.1 support
DVB-T2 de-encapsulation	DVB-T2 Gateway reverse function De-encapsulation of T2-MI stream over ASI or IP (optional) into one or several MPEG-2 TS
DVB-S/S2 inputs	QPSK, 8PSK, 16 APSK, 32APSK DVB-S2 multistream (ISI) support
PLP management	Single and Multiple PLP support Management of up to 8 PLP
MPEG-2 TS output	Outputting the encapsulated MPEG-2 Transport Streams over ASI and IP (optional)
Advanced statistics and monitoring (Option)	PLP allocation monitoring L1 signaling display TS tree views
Monitoring and Supervision	Easy-to-use web based GUI User management Full SNMPv2 support

HDc MULTI



PHYSICAL

Height	43 mm / 1.69 in.
Width	443,7 mm / 17.46 in.
Depth	322,8 mm / 12,70 in.
Format	1 RU, width 19"
Front Panel	LCD Display and controls - Option
Power supply	100-240V 50/60Hz - 48V DC (option)



ORDERING CODES

HDc-Multi High Density chassis to embed several modules

Options	
HDc-In48V	48 V input instead of 110V/220V
HDc-In220VRedundant	110V/220V redundant power supply
HDc-In48VRedundant	48V DC redundant power supply

HDm-InverTS Reverse DVB-T2 Gateway

Options	
InverTS-MPLP-2	Management of up to 2 PLP
InverTS-MPLP-4	Management of up to 4 PLP
InverTS-MPLP-8	Management of up to 8 PLP
InverTS-IP	IP inputs/outputs
InverTS-AdvMonitoring	Advanced monitoring of T2-MI input
inverTS-SATInput	DVB-S/S2 satellite input

