

## NN6-1311

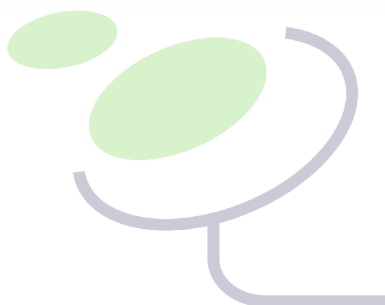


### Features

- MPEG2 interface (DVB, ATSC)
- SMPTE 310 to ASI interface
- Enables over 100m cable length
- TS packet size changing
- Power redundancy
- Fault relay alarm
- 2x adapted DVB ASI outputs
- 1x SMPTE310 loopthrough

### Product highlights

- Cost effective converter
- Compact : 103mm width
- Robust
- 1U height
- 19" rack mountable
- Professional quality
- No compromise design



## SMPTE 310 to ASI Interface

### Facing an interworking issue ?

### Looking for Interface Conversion solutions in:

- Broadcasting chain migration
- Interoperability issue in R&D
- Systems integration
  - Connection of test & monitoring equipments... ?

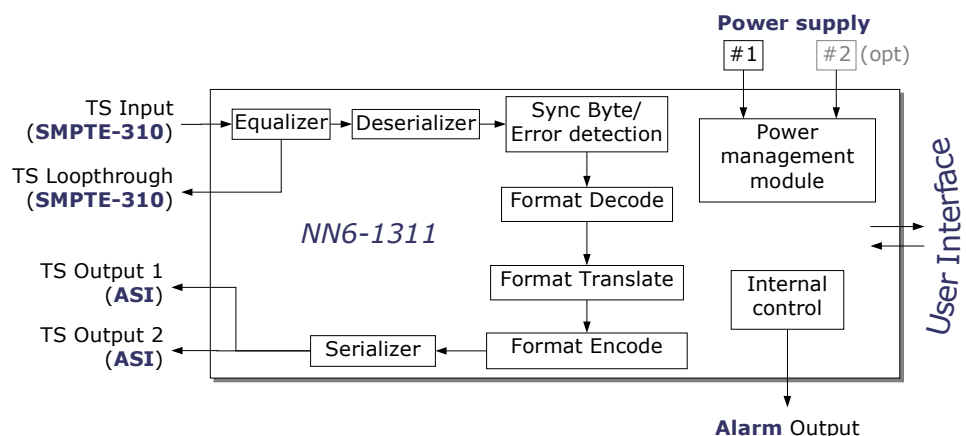
### ENENSYS™ Technologies can help you solve your problem!

**With its Baseband Converters and Network Adapters product lines for DVB and ATSC, ENENSYS Technologies masters B2B interoperability solutions for broadcasting professionals.**

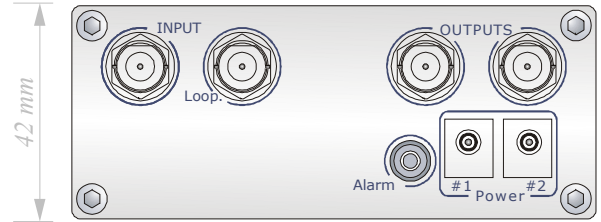
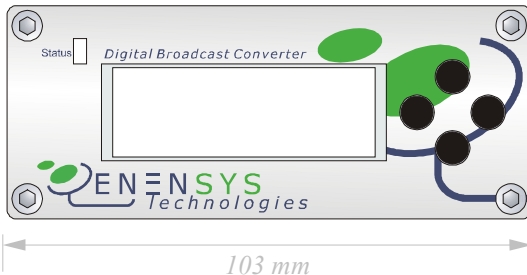
**NN6-1311 interface** converts MPEG2 Transport Stream from the SMPTE310M serial interface format to the ASI Asynchronous Serial Interface format (DVB-ASI).

Delivered as stand alone interface, NN6-1311 **SMPTE-310 to ASI converter** is fed by a high MTBF external power supply. It can be used on a lab working desk, or for demonstration purpose. It can also be rack-mounted for easy integration in a Digital Broadcast chain.

▶▶ **Interface converter comes standard with fault relay, packet size changing and power redundancy capabilities.**



▶▶ Designed to meet your professional requirements !



### ORDERING CODE

<b>NN6-1311EU</b>	EU plug
<b>NN6-1311UK</b>	UK plug
<b>NN6-1311US</b>	US plug

### SMPTE310 M to ASI conversion :

serial Synchronous to Asynchronous conversion. Two modes of ASI generation: continuous mode or burst mode (user defined).

### Input equalizer

adapts over 100m cable length (75 ohms adapted, depending on cable quality).

### Packet size changing :

output TS with **188, 204 or 208** bytes per packet, removing or adding room for RS (user configurable, depends on input stream characteristics).

### Alarm generation

alarm activation can be set on power, framing errors, signal quality. Compatible with major alarm & redundancy management systems.

### Power redundancy :

by addition of a second external power supply.

### Rack-mount kit :

easily fits into crowded 19" equipment racks. 4 conversion units can be hosted by a 1U sub-rack.

### Professional quality

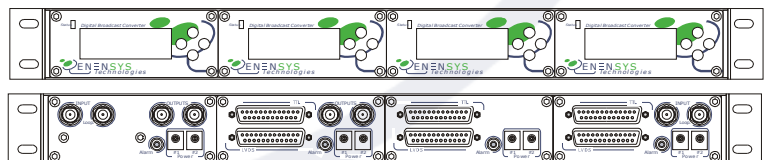
**NO COMPROMISE DESIGN** using the best parts available wherever possible, including gold plated connectors, lead-free board plates, robust aluminium chassis, highly reliable power supply.

### Safety and EMC figures

converter + its PSU fully meet requirements emitted by CE and FCC certification bodies.

INPUT	
<b>Serial data input</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Data format	SMPTE 310 As per SMPTE 310M-1998
Connector	1x BNC 75 ohms
Equalization	Short or long cable length optimization
Bit rate range	19.39 or 38.78 Mbps
Packet framing	188, 204, 208 bytes per packet - autodetection
OUTPUTS	
<b>Serial outputs</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Data format	ASI (Asynchronous Serial Interface) As per DVB A010 ASI-C, EN50083-9
Connectors	2x BNC 75 ohms
Max bit rate	Up to 216 Mbps
ASI mode	Burst (packet) or Continuous
Packet format	188, 204, 208 bytes per packet - user defined
<b>Loophrough</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Connector	1x BNC 75 ohms
Data format	SMPTE 310
Packet framing	Same as input (188, 204 or 208 bytes per packet)

ALARM / STATUS	
<b>ALARM</b>	1x alarm output (Jack 3.5mm: dry relay) Can be connected to Dry relay / SNMP module Compatible with alarm manager systems
Status led	3 levels state indicator
MECHANICAL	
<b>Dimensions (whd)</b>	103x42x165 (in millimeters) 4.13x1.65x6.30 (in inches)
Weight	0.5 kg (1.1 lb)
GENERAL	
Power supply	External supply unit ( <i>included: specify plug type</i> )
Connectors	1+1 DC inputs (load balancing ready)
<b>Power redundancy</b>	Achieved by the use of a second adapter ( <i>optional</i> )
User Interface	LCD and buttons on front panel
<b>Rack mount option</b>	19" mounting kit hosting 4 converters (1RU height)



### 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, DHEI...

### ENENSYS Technologies

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ACCESSORIES	ORDERING CODE
External Power Supply Unit (EU plug)	NN6-PSEU
External Power Supply Unit (UK plug)	NN6-PSUK
External Power Supply Unit (US plug)	NN6-PSUS
19' Rack mount kit	NN6-RCKM
Coax cable 75 ohms (5 meters)	NN6-CX75