

## NN6-1131



## ASI to SPI (LVDS) Interface Converter

### 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... ?

- MPEG2 interface (DVB, ATSC)
- Serial to Parallel interface
- Outputs SPI (LVDS format)
- Conversion from ASI interface
- TS packet size changing
- PCR restamping
- Power redundancy
- Fault relay alarm
- ASI input +loopthrough
- DVB SPI output (LVDS)

### Product highlights

- Cost effective converter
- Compact : 103mm width
- Robust
- 1U height
- 19" rack mountable
- Professional quality

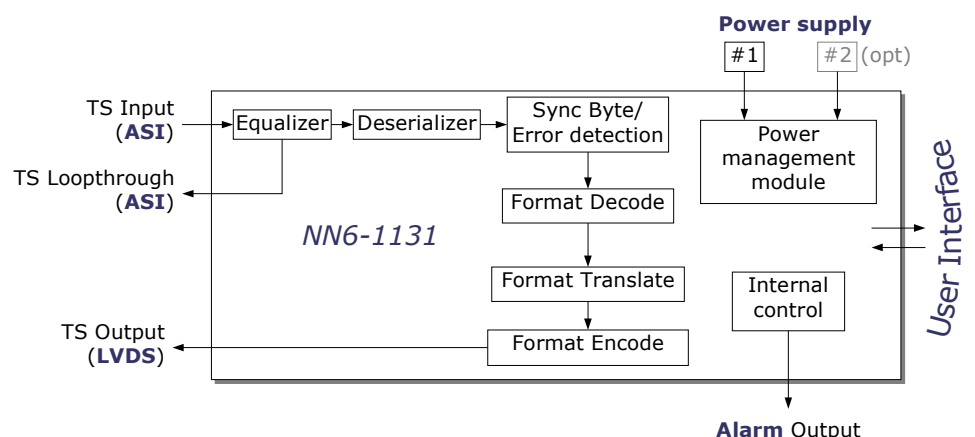
### ENENSYS™ Technologies can help you solve your problem!

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

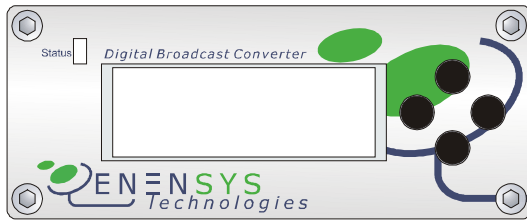
**NN6-1131 interface** converts any MPEG2 Transport Stream carried over DVB-ASI to the SPI parallel format (LVDS electrical signal).

Delivered as stand alone interface, NN6-1131 **ASI to LVDS 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.**



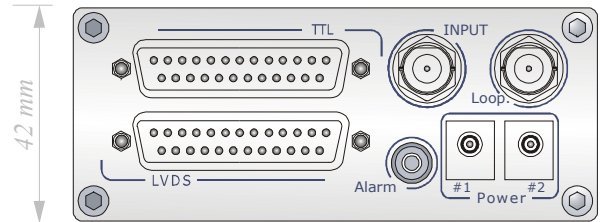
▶▶ Designed to meet your professional requirements !



103 mm

#### ORDERING CODE

<b>NN6-1131EU</b>	EU plug
<b>NN6-1131UK</b>	UK plug
<b>NN6-1131US</b>	US plug



42 mm

#### ASI to SPI (LVDS) conversion

burst (i.e. packet) or continuous (i.e. byte) ASI modes supported in input. Converted signal is driven to D-sub25 parallel output (LVDS).

#### Packet size changing

MPEG Transport Stream packet size of **188, 188+16 or 204 bytes per packet** is automatically detected at input, and output framing can be set to 188, 188+16 or 204 bytes per packet where bandwidth allows it.

#### 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. Up to 4 converting 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, high MTBF power supply.

#### Safety and EMC figures

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

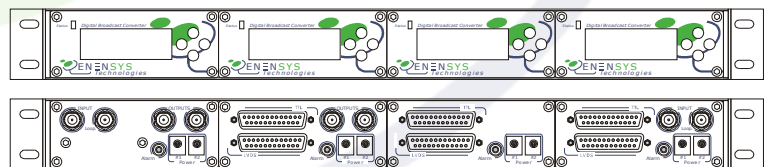
INPUT	
<b>Serial data input</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Data format	ASI (Asynchronous Serial Interface) As per DVB A010 ASI-C, EN50083-9
Connector	1x BNC 75 ohms
Equalization	Short or long cable length optimization
Max bit rate	216 Mbps
ASI mode	Burst (packet) or Continuous - autodetection
Packet framing	188, 188+16 or 204 bytes/packet - autodetection

OUTPUTS	
<b>Parallel output</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Data format	DVB-SPI (LVDS): Low Voltage Differential Signal As per EN50083-9, DVB A010
Connector	1x D-Sub 25
Max bit rate	108 Mbps (operation up to 216 Mbps possible)
Packet format	188, 188+16, 204 bytes/packet - user defined
Processing	PCR restamping

<b>Loophrough</b>	MPEG2 Transport Stream (ISO-IEC 61883)
Connector	1x BNC 75 ohms
Data format	ASI (Asynchronous Serial Interface)
ASI mode	Same as input (Burst or Continuous)
Packet framing	Same as input

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, M2P, DVB-SPI (LVDS, TTL), RS-422, SSI, SMPTE-310, DHEI...

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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
Parallel 25 pins cable (1.5 meters)	NN6-PC25

www.enensys.com