

NN6-3111



SPI (LVDS) to ASI 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... ?

Features

- MPEG2 interface (DVB, ATSC)
- Parallel to Serial interface
- Accepts SPI (LVDS) inputs
- Conversion to DVB ASI format
- TS packet size changing
- PCR restamping
- Power redundancy
- Fault relay alarm
- 1x DVB SPI input (LVDS)
- 2x mirrored ASI outputs

Product highlights

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

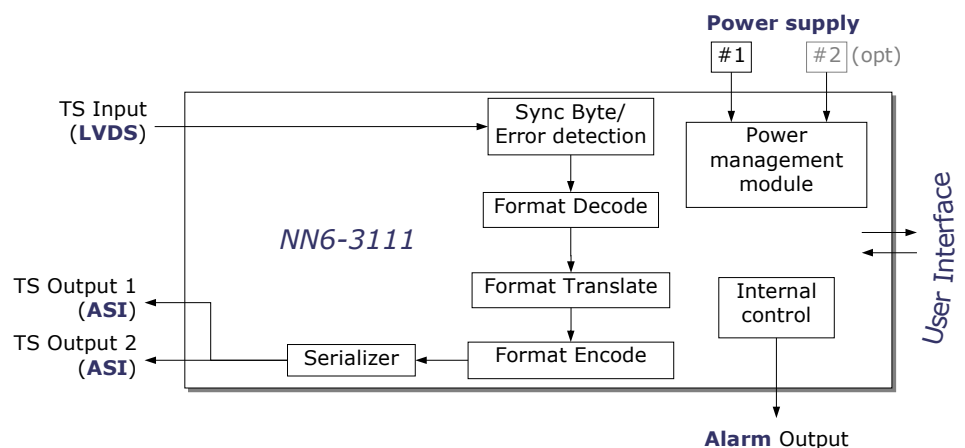
ENENSYS™ Technologies can help you solve your problem!

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

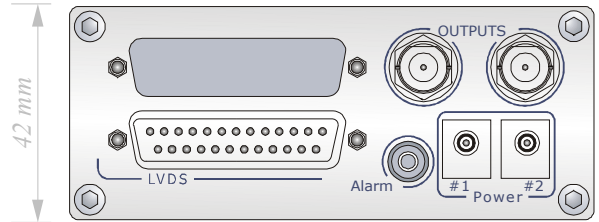
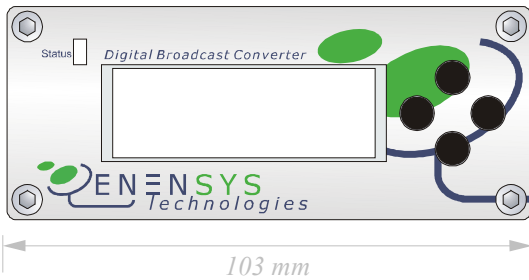
NN6-3111 interface converts any SPI parallel MPEG2 Transport Stream (with LVDS electrical signal) to a DVB-ASI serial stream.

Delivered as stand alone interface, **NN6-3111 SPI (LVDS) 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

NN6-3111EU	EU plug
NN6-3111UK	UK plug
NN6-3111US	US plug

SPI (LVDS) to DVB ASI conversion

two modes of ASI generation: continuous (Byte) or burst (packet) mode (user defined).

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 or 204 bytes per packet where bandwidth and selected output mode allow it.

Alarm generation

alarm 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

fully meets requirements emitted by CE and FCC certification bodies.

INPUT	
Parallel data input	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 per packet – autodetection
OUTPUTS	
Serial outputs	MPEG2 Transport Stream (ISO-IEC 61883)
Data format	ASI compliant (Asynchronous Serial Interface) As per DVB A010 ASI-C, EN50083-9
Connector	2x BNC 75 ohms
Max bit rate	216 Mbps
ASI mode	Burst (packet) or Continuous
Packet framing	188 or 204 bytes per packet
Processing	PCR restamping

ALARM / STATUS	
ALARM	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	
Dimensions (whd)	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)
Power redundancy	Achieved by the use of a second adapter (<i>optional</i>)
User Interface	LCD and buttons on front panel
Rack mount option	19" mounting kit hosting 4 converters (1RU height)

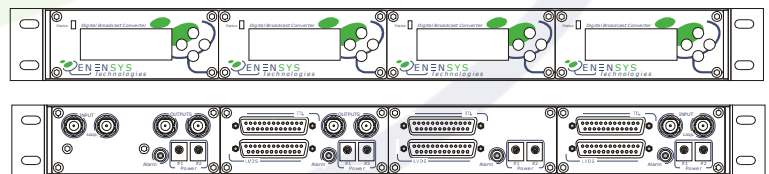
About ENENSYS Technologies:

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...

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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