

# TNS 101

ClassA.  
Streamers  
DVB-T to IP

The IP Streamers from IKUSI are gateways designed to broadcast in multicast on an IP network the services issued from DVB reception (satellite, terrestrial, cable), or DVB professional equipment, or local audio/video sources.



DVB-T Input signal



Free to air or  
Multicrypt DVB-T reception



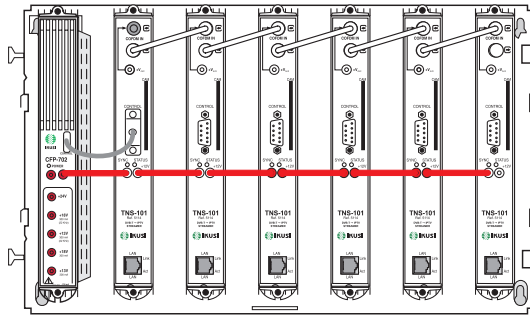
Web interface for  
module configuration



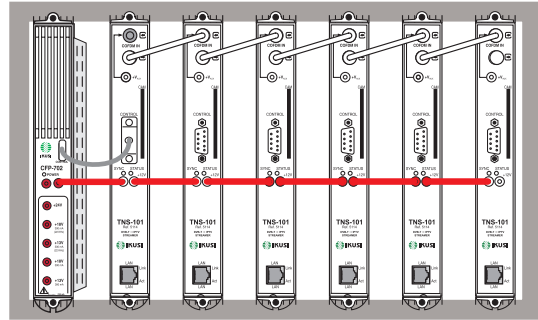
IP output signal



## Application example



in BAS-700 base plate



in SMR-601 rack-frame

## Main features

<b>Model</b>	<b>TNS-101</b>	
<b>Ref.</b>	<b>5114</b>	
Reception	DVB-T FTA or MultiCrypt (Common interface, EN 50221)	
Max number of de-encrypted services	Variable CAM depending	
<b>Input section (COFDM)</b>		
Frequency range	MHz	174-230 and 470-862
Frequency step	kHz	125
Input level	dBm	35 ... 100
Input loop-through gain	dB	0.5 (±1)
<b>Output section (IP)</b>		
Standard	IEEE 802.3 10/100 Base T	
Bit rate	Mbps	up to 30
Transmission protocols	UDP/RTP	
No. of simultaneous streams	up to 8	
Multicast	Yes	
<b>Connectivity</b>		
RF input (loop-through)	(2x) female F	
DC connection	banana socket	
CAM entrance	slot	
Configuration	RS 232/DB-9	
Ethernet output	RJ-45	
<b>General</b>		
Supply voltage	V <sub>DC</sub>	+12
Consumption	mA	550 (CAM incluida)
LEDs indicator	ON - STATUS - LINK - ACT	
Operating temperature	°C	0 – +45
Dimensions	mm	230 x 195 x 32

The module is packed with:

- 1 F plug bridges, 64 mm length, for input tap line and output coupling line.
- 1 DC plug bridge, 53 mm length, for connection of +12 VDC voltage.

### TNS Headend

- Free-to-air or MultiCrypt DVB-T reception.
- Common Interface.
- Up to 8 simultaneous IP-encapsulated services (TV or Radio programmes), or 28 only-Radio programmes, with individual multicast addresses.
- Filtering of information contained in the MPEG-2 tables.
- UDP and RTP transmission protocols.
- Web interface for module configuration.
- Alarm information SNMP agent.
- SAP and SDP protocols to facilitate automatic programme selection in the set-top box and to provide programme information to external servers.

### Advanced features

- PID filtering
- PSI/SI parsing
- ECM and EMM transparent passthrough
- Regeneration of PAT and PMT tables
- Passthrough or blockade of CAT, NIT, SDT, EIT and TDT tables
- QoS marking configurable
- TTL configurable

Configuration of streamers is carried out through a web browser running on a PC provided with Ethernet adapter.



### HEADQUARTER

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