

## ► LANTV (Television on IP Networks)

### «TNS» — DVB-T to IP Streaming Equipment

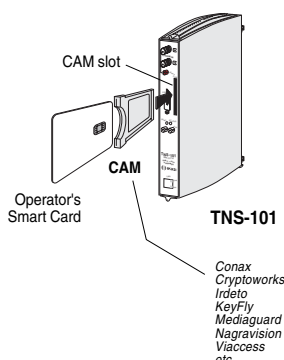
#### DVB-T → IP Streamers



TNS-100



TNS-101



Model		TNS-100	TNS-101
Référence		5102	5114
Reception		DVB-T FTA	DVB-T FTA or MultiCrypt (Common Interface - EN 50221)
Maximum number of de-encrypted services		—	Variable (CAM depending)
SNMP Support — "traps"		Yes	Yes
Input Section (COFDM)	Frequency range	MHz	174 - 230 and 470 - 862
	Frequency selection steps	kHz	125
	Input level	dBμV	35 ... 100
	Input loop-through gain	dB	0.5 (±1)
Output Section (IP)	Standard		IEEE 802.3 10/100 BaseT
	Bit rate	Mbps	up to 100
	Transmission protocols		UDP / RTP
	No. of simultaneous streams		up to 8
	Multicast		Yes
Connectors	RF input (loop-through)		(2x) female F
	DC connection		"banana" socket
	CAM entrance	—	slot
	Configuration		RS 232 / DB-9
	Ethernet output		RJ-45
General	Supply voltage	VDC	+12
	Consumption	mA	420      550 (CAM included)
	Indicator leds		ON - STATUS - LINK - ACT
	Operating temperature	°C	0 ... +45
	Dimensions	mm	230 x 195 x 32

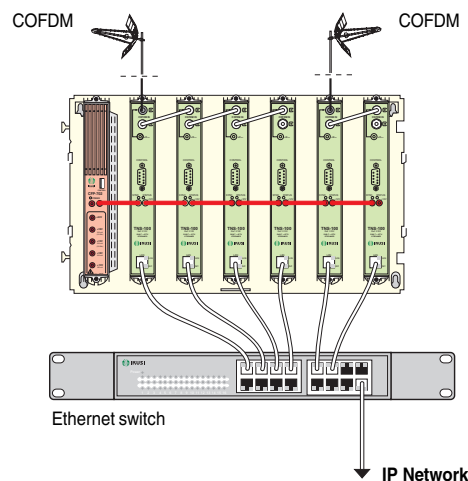
- Each module is packed with:
  - 1 F plug bridge, 64 mm length, for input tap line.
  - 1 DC plug bridge, 53 mm length, for connection of +12 VDC voltage.

#### TNS Headends

A TNS headend for DVB-T to IP streaming includes:

- As many TNS-100 or TNS-101 Streamers as there are DVB-T channels whose programmes you want to broadcast on the IP network. The TNS-101 features Common Interface to be utilized when the DVB-T channel includes one or more encrypted programmes that one want to de-encrypt; a CAM (Conditional Access Module) containing an *Operator's Smart Card* must fit the front panel slot. CAM modules are not supplied by IKUSI.
- One or more CFP Power Supplies.
- One or more Rack-frames or Baseplates. The baseplates can be joined horizontally.
- Usually, one housing unit.

The TNS modules have two directionally coupled input ports that facilitate simple connection of the incoming COFDM-modulated signal using the plug bridges supplied. For power connection each module has two DC banana sockets that allow to build the +12 VDC cascade from the power supply module. A third banana socket is available to connect the power for an optional mast-head preamplifier.



- Example of TNS headend for six digital terrestrial TV channels. Contains 6 TNS-100 streamers and 1 CFP-500 power supply, all fixed on 1 BAS-700 baseplate. This headend can feed the IP network with up to 48 TV programmes (8 programmes at the most per streamer).