BNS 200

ClassA.
Streamers
A/V 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.
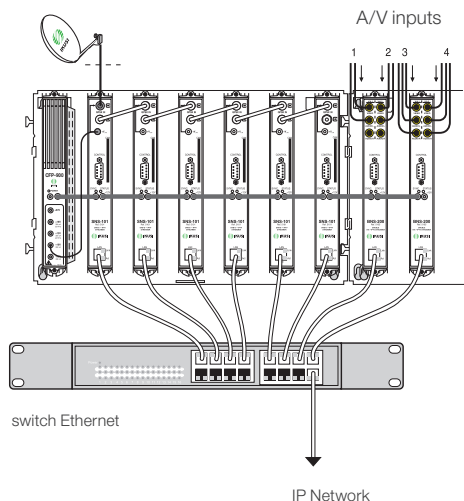
IKUSI velatia

A/V

Double A/V input signal

Web interface for module configuration

IPTV

IP output signal
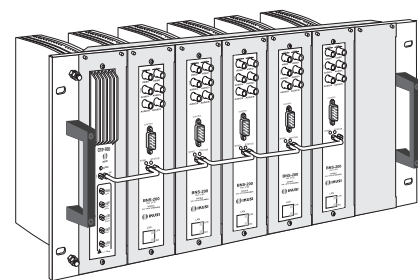
A/V   IPTV   C E   Made in Spain

Application example

A/V inputs

Example of mixed SNS/BNS headend for six digital satellite TV transponders and four video/audio local sources. Contains 6 SNS, 2 BNS-200 and 1 CFP-900 power supply, all fixed on 2 base-plates BAS-700.

The headend can feed the IP network with 48 TV programmes

(8 programmes at the most per SNS streamer) plus 4 local TV broadcasts (2 mono sound's and 2 stereo sound's).

switch Ethernet

IP Network

Example of BNS headend. Contains five BNS modules and 1 CFP-900 power supply all fixed on 1 rack-frame SMR-601.

Model		BNS-200
Ref.		**5105**
Inputs		(2x) Video (CVBS - PAL, SECAM, NTSC), (2x) Audio (ANALOG - Mono, ST/Dual)
SNMP support - "traps"		Yes

Input section (A/V)

Video input level	Vpp	(2x) 0.7 – 1.4
Video input impedance	Ω	(2x) 75
Max video resolution		PAL/SECAM: 720 x 576, NTSC: 720 x 480
Audio input level	Vpp	(2x) 0,5 – 4,0
Audio input impedance	Ω	(2x) > 600

MPEG coding

Video coding	MPEG-2 MP&ML, MPEG-4 ASP
Audio coding	MPEG-1 Layer II

Output section (IP)

Standard		IEEE 802.3 10/100 Base T
Bit rate	Mbps	30
Transmission protocols		UDP/RTP
No. of simultaneous streams		2
Multicast		Yes

Connectivity

Video connection	(2x) female RCA
Audio connection	(4x) female RCA
DC connection	banana socket
Configuration	RS 232/DB-9
Ethernet output	RJ-45

General

Supply voltage	V_{DC}	+12
Consumption	mA	640
Indicators LEDs		ON - STATUS - LINK - ACT
Operating temperature	°C	0 ... +45
Dimensions	mm	230 x 195 x 32

The module is packed with:
- 1 DC plug bridge, 53 mm length, for connection of +12 VDC voltage.

■ Double V/A to IP Streamer.

■ Output: 1 or 2 IP-encapsulated TV broadcasts 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 brower runnig on a PC provided with Ethernet adapter.

IKUSI velatia