TS9600 RMX IP
REMUX ISDB-T

Tecsys ISDB-T re-multiplexer model TS9600 RMX IP is a product developed and manufactured in Brazil using FPGA platform, totally in accordance with the Digital TV Brazilian Standard. It holds an EPG – Electronic Program Guide data server and Object Carousel to interactivity transmission.
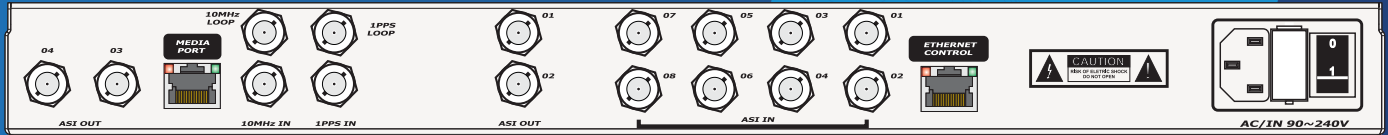
It multiplexes in high definition (HD), standard definition (SD) and mobile (1Seg) services, handling and injecting SI tables. The equipment is also a data server for Electronic Program Guide (EPG) and with Objects Carousel, to supply the interactivity data information according to Brazilian Digital TV standard (SBTVD). Fully configurable and monitorable through IP / Ethernet, using a user-friendly web interface built in the equipment, all the modulation data can be configured to generate the BTS output (Broadcast Transport Stream).

ISDB-T REMUX / TS9600 RMX IP

Combina los servicios de alta definición (HD), de definición estándar (SD) y móvil (1Seg), con gestión y inyección de las tablas SI, y es un servidor de datos dinámico para la guía electrónica de programas (EPG) y el carrusel de objetos para satisfacer las informaciónes de la interactividad, prevista en el estándar de televisión digital brasileña (SBTVD).
Totalmente configurable y controlable a través de IP / Ethernet, a través de una interfaz web interno y es amistoso para los usuarios, donde todas las informaciónes de la modulación son configurables, para la salida de la norma BTS (Broadcast Transport Stream).

SPECIFICATIONS

MULTIPLEXER

Up to 16 (sixteen) – 8 ASI / 8 IP – transport stream (HD, SD, 1Seg) according to the 'ABNT NBR 15603' Brazilian Standard

Creation and management of the SI tables: 'PAT', 'PMT', 'NIT', 'SDT', 'EIT', 'TOT', 'TDT', 'AIT' and 'DSM-CC'

Virtual Channel, ServiceID and Timezones configuration

Built-in user-friendly interface that can be accessed through the web

OBJECT CAROUSEL

Interactivity data according to 'ABNT NBR 15603' Brazilian Standard

Automatic data import

INTERFACES

8x TS Inputs: DVB ASI (EN50083-9) 188 bytes in BNC 75 Ohms connection

8x IP Gigabit Inputs: (RTP / UDP)

1x Data Interface: IP / Ethernet – RJ45 / Control and navigation through an internal web interface and file import

2x BTS outputs: DVB ASI (EN50083-9) 204 bytes in BNC 75 Ohms connection

2x BTS compressed outputs: Individually configurable between 'Open Compressed' and 'Tecsys Compressed'

3x IP Gigabit outputs: Individually enabled or disabled configurable among 'BTS', 'BTS Open Compressed' and/or 'BTS Tecsys Compressed'

Panel with front keyboard for the system management

Equipment compatible with EWBS (Emergency Warning Broadcast System)

EPG SERVER

Electronic Program Guide according to the 'ABNT NBR 15603' Brazilian Standard

EIT generation (H-EIT present, following, schedule, L-EIT present, following/after)

Editable Program Guide with date, hour, duration, title, and programs description

Automatic 'XMLTv' data import

RE-MULTIPLEXER

TS re-multiplexing according to 'ABNT NBR 15603'

Transport organization in A, B, C hierarchical layers

TMCC (Transmission and Multiplexing Configuration Control) information generation

IIP packet generation (ISDB-T Information Packet)

Configuration of both transmission mode and guard interval

HD, SD and mobile (1seg) transmission signals management

Management of rates and time of tables injection

Real-time BTS Out (204) through ASI interface (EN50083-9)

GENERAL

Size	19" - 1 RU
Power supply	90 to 242 VAC (automatic)
Power consumption	40W (maximum)

Example of TS9600 RMX IP in operation