

Order Guide

DMB-9851E Multi-Channels HDMI Encoder&Modulator

DMB-24E FTA Tuners +HDMI to RF Transmodulator

DMB-8820E H.264 Multi-Channels HDMI to IP Encoder

DMB-24E IP to 16 DVBT/ISDB-T/ATSC or 32 QAM RF Modulator



OVERVIEW

DMB-90E Series Multi-channels Professional Receiver, support 24 Independent Satellite DVB S/S2 tuners/DVBT/ATSC/ISDB-T input to IP TS SPTS multicast or unicast outputs, has also 2 ASI inputs for external TS's sources. It is integrated with tuner demodulation, which can demodulates from 4/ 8/ 12/ 16/ 20/ 24 channel tuners, then output the IP package through different IP address and ports.

The tuners support DVB-S/S2/T/T2/C/ISDB-T/ATSC optional input, demodulate to TS and encapsulated output IP packet, IP output port by 8*MPTS +512* SPTS+N*MPTS/SPTS for mapping tuner input.

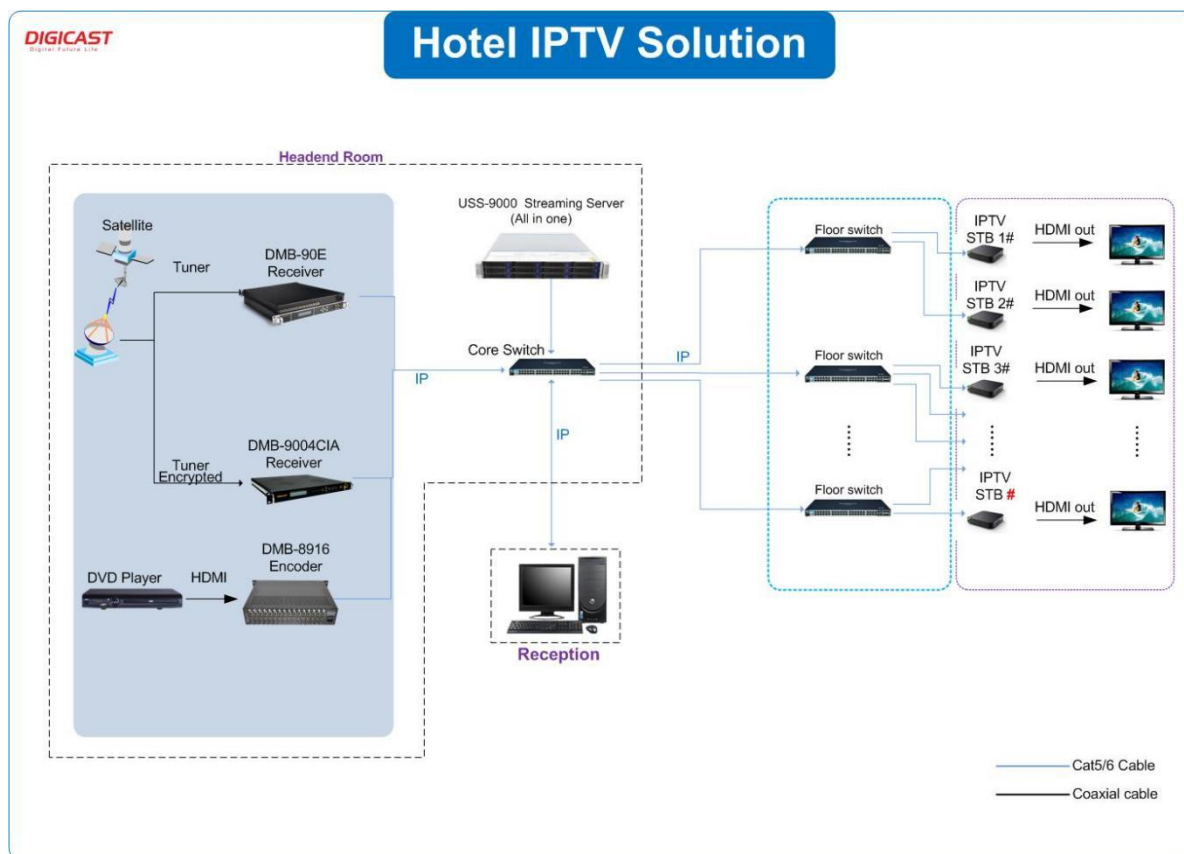
DMB-90E support convert various singal source, tuner, HDMI, ASI, IP to IP stream - UDP/ RTP/ RTSP for IPTV distribution, it is an ideal solution for environments where you have a large number of air channel, and widely used in IPTV system, hotel, entertainment facilities, education broadcasting systems at schools and government buildings or any kinds of source signals convert to Cable TV Broadcast System, largely cost down the source gathering of Digital TV Broadcasting System and IPTV/OTT system which based on IP construction. Being the ideal multi-channel professional receiver used for FTA (free to air) IP signal source capture from digital tuner.

FEATURES

- **Input Version:** 1: Up to 24 FTA Tuners input
2: Two*Types Tuners+HDMI input-- for example: 8 DVB-S/S2+8*DVB-T/T2+8*HDMI
3: One type tuner+ HDMI input: 12 DVBSS2+8*HDMI
Max 24 channels input whatever which types input, pls consult with sales according your application.
- **2 Different Tuner standard option** from DVB-S/S2, DVB-T/T2, DVB-C, DTMB, ISDB-T/Tb, ATSC-T
- Operation via LCD Screen and Web Management: Easy to read LCD color front panel that makes it easy to setup and monitor your channels, check firmware, and identify IP addresses without a computer.
- Two separate ASI input for external TS multiplexing
- GigE DATA port can be used for input and output
- Capable of BISS descrambling
- IP stream output: 8*MPTS+512*SPTS IP protocol UDP/RTP/RTSP
- Low cost headend receiver for IPTV/OTT System
- Low power consumption and high reliability with MTBF(Mean Time Between Failure) ≥ 50000 Hours
- Highly compact, High-Integrate
- 24*7 hours working stable, broadcasting quality

APPLICATION

- IPTV/OTT Headend equipment
- Advertising, monitoring, training and educating
- Insert all your digital TV RF programs source to IPTV Project
- Enterprise, hotel, campus, hospital, restaurant, public place etc.



SPECIFICATION

FTA TUNERS INPUT

DVB-T/T2 Tuner

Frequency range: 30MHz-1000Mhz

Bandwidth: 6Mhz, 7Mhz, 8Mhz

Level: -87 ~ -20dBm

Constellation: QPSK, 16QAM, 64QAM, 256QAM (Only DVB-T2)

FEC Demodulation: DVB-T: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-T2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6

Guard Interval: DVB-T: 1/4, 1/8, 1/16, 1/32

DVB-T2: 1/4, 5/32, 1/8, 5/64, 1/16, 1/32, 1/64, 1/128

ISDB-T/Tb Tuner

Input frequency range: 30 ~ 900MHz

Bandwidth: 6MHz

Constellation: DQPSK, QPSK, 16QAM, 64QAM

Interleave: 0, 4, 8, 16

Guard Interval: 1/32, 1/16, 1/8, 1/4

Transmission Mode: 2K, 4K, 8K (FFT)

FEC (Code Rate): 1/2, 2/3, 3/4, 5/6, 7/8

DVB-C Tuner

Input frequency range: 110 ~ 862MHz

DVB-C (J83.A, J83.C, **NO Annex B**)

Carrier: Annex A、Annex C

Constellation (QAM): 16, 32, 64, 128, 256, 64/256

Bandwidth (Mhz): 8, 6

Symbol Rate (Mbaud): 5-7, 4.2-5.3

Tuner interface: Connector F-female type

DVB-S/S2 Tuner

Input frequency: 950-2150Mhz

Symbol rate: 1~54MSps (DVB-S QPSK)

1~60MSps (DVB-S2 QPSK)

1~60MSps (DVB-S2 8PSK)

1~58MSps (DVB-S2 16APSK)

1~55MSps (DVB-S2 32APSK)

Signal strength: -65 ~ -25dBm

FEC demodulation: 1/2, 2/3, 3/4, 5/6, 7/8 (DVB-S QPSK)

1/4, 1/3, 2/5, 1/2, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (DVB-S2 QPSK)

3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK)

2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (16APSK)

3/4, 4/5, 5/6, 8/9, 9/10 (32APSK)

Roll off: 0.20; 0.25; 0.35 (Only DVB-S)

Demodulation mode: QPSK, 8PSK, 16APSK, 32APSK (Only DVB-S2)

LNB polarity selection: Vol 0, 13V, 18V Selectable

LNB band selection tone: 0/22Khz Selectable

Input Impedance: 75 Ω

FEC (Code Rate): 1/2, 2/3, 3/4, 5/6, 7/8

ATSC Tuner

Frequency range: 50~860 MHz

Key reference specification: ATSC A/53

Input level: -34 to +40 dBmV

Constellation: 8-VSB

Bandwidth: 6Mhz

DVB-ASI Input

Connector: BNC female, 75 Ω

Signal level: 200-800mVp-p

Packet length: 188 bytes

Maximum bit-rate: per port $\leq$ 100Mbps

Number of input ports: Dual separate ASI ports

Multiplexing

Maximum PID remapping 180 input per channel

PID remapping by automatically or manually

PSI/SI: SDI/PMT/TOT/PAT/BAT/CAT/TDT/NIT Insert

Accurate PCR adjusting

IP/ASI OUTPUT

ASI I/O

DVB-ASI: 2 ASI input and output, 75Ω, BNC, 188Bytes

MPEG-2 TS over DVB-ASI (EN 50083-9)

ASI out: selectable mirror of one MPTS

IP I/O

RJ45 Port: 100/1000M GbE Port, 1*DATA port used for input and output

IP output: 8*MPTS+512 SPTS from Data port

IP input: 128*MPTS/SPTS UDP/IP input from Data port

TS over UDP, unicast, and multicast streaming TS over RTP/RTSP

Configurable Packet size (2-7)x188 Bytes, filter null packet

SPTS limit selectable: 2.3M, 2.5M, 2.9, 3.3M, 3.8M, 4.6M, 5.7M, 7.6M, 11.5M, 23M

System

Local interface: LCD + control buttons

Configuration interface: Web-based

Remote upgrade: via network

Connector: RJ45, 100M/1000M Ethernet interface

Physical and Power

Voltage: 100 to 120/200 to 240V AC $\pm 10\%$; 50/60Hz

Consumption: 60W

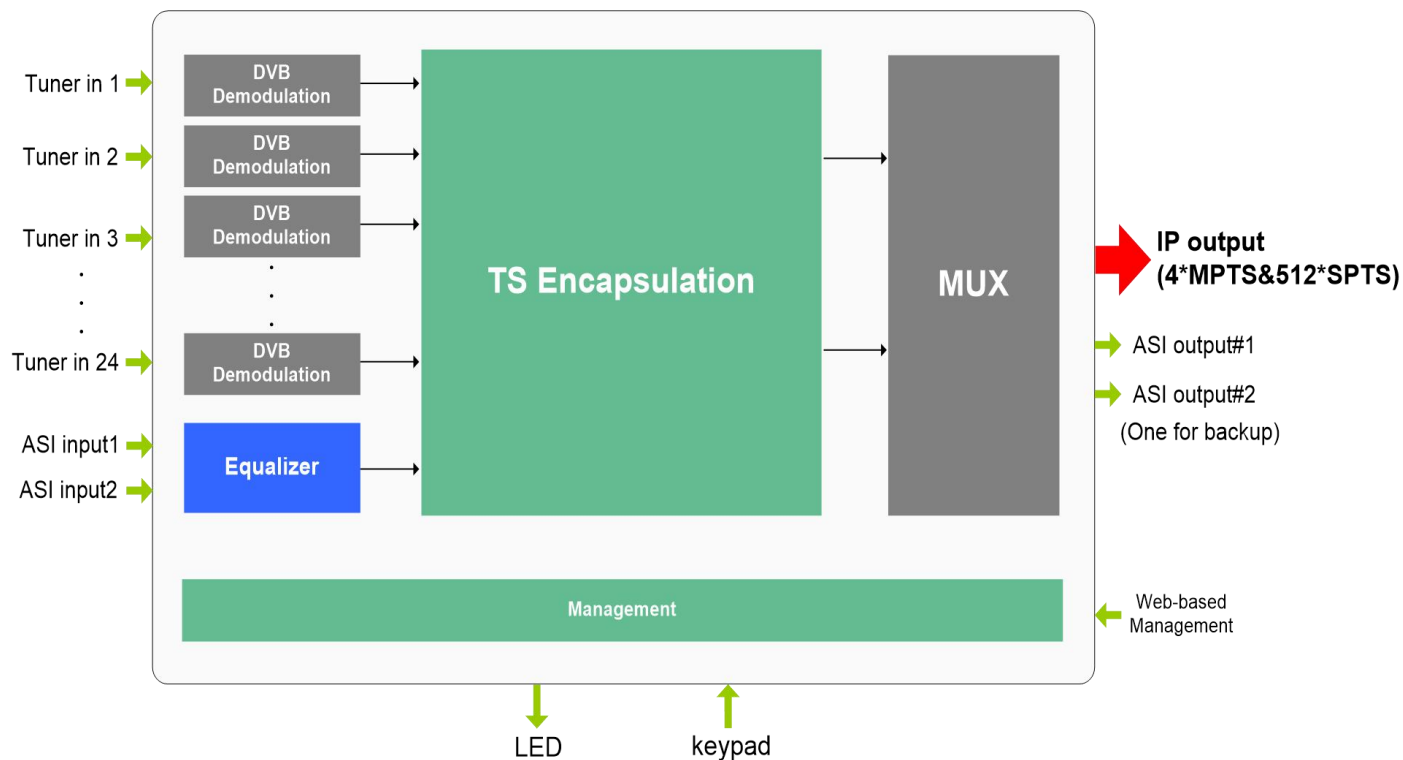
Operating temperature: 0~50°C

Storage temperature: -20 ~ 80°C

Package Dimensions: 560mm(W)*530mm(D)*150mm(H)

Weight: 8kg/pc

DIAGRAM



Customers who bought this product also bought

Function	Model number	Main features	Application
Headend Receiver	DMB-9004CIA	24*DVB-S/S2 Input ; ASI/IP I/O; Support Re-multiplex; MPTS/SPTS Output ;	for encryption channels sources
IPTV Transcoder	DMB-8000	UDP/RTMP/RTSP/HLS, MPEG2 to H264, H265 Exchange, Reduce bitrate, resolution	IPTV/OTT Project
IPTV Streaming Server	ISS-7000	Change the IP protocol up to 100 channels (only change IP protocol)	IPTV/OTT Project
Universal Streaming Server	USS-9000	all in one integrate IPTV management software	I IPTV/OTT project

Should you have any questions, please don't hesitate to contact with us.