



OVERVIEW

DMB-9020 HD Professional IRD optionally supports DVB-S, DVB-S2, DVB-C, DVB-T and DVB-T2 signal inputs, also with plentiful output interfaces such as CVBS, YPbPr, BNC, SDI, HDMI, etc.. It receives and demodulates various of RF signals and outputs DVB standard transparent MPTS. With 2 DVB-CI slots, it supports various of CA systems. Furthermore, it is embedded with MPEG-2, MPEG-4 and HD H.264 decoding module. DMB-9020 can decode and output analog AV signals at real time. It can be widely used in different DTV systems. With TS over IP function, it can be applied to IPTV to meet the operator's program source request.

FEATURES

Comply to DVB-S2/DVB-S/DVB-C/DVB-T/DVB-T2 Tuner standards, supporting MPEG-2, MPEG-4, HD H.264 decoding

Supports TS over IP input or output

Dual PVMCIA module slots, able to de-scramble multi-programs and TS

Supports various Conditional Access systems: Irtedo, Viaccess, Conax, Tongfang, etc.

Multiplexing supported and optional programs output

Teletext VBI output

PID can be pointed by customer and track can be changed

BISS 1 and BISS E mode supported

EBU SUBTITLE and DVB SUBTITLE supported

Network remote management and SNMP supported

SPECIFICATIONS

Input	
DVB-S Input	Input frequency range: 950~2159MHz Input level: -25~-65dBm Symbol rate: 2~45Mbaud Rolling-off factor: 0.35 Convolution encoding rate: 1/2, 2/3, 3/4, 5/6, 7/8 Interleave depth: l=12 Polarization: 0/13V/18V(optional)
DVB-S2 Input	Input frequency range: 950~2150MHz Input level: -25~-65dBm Symbol rate: 5~45Mbaud for QPSK 10~31Mbaud for 8PSK Rolling-off factor: 0.35 for QPSK; 0.35, 0.25, 0.2 for DVB-S2 Convolution encoding rate: 1/2, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 for S2 QPSK; 2/3, 3/4, 3/5, 5/6, 8/9, 9/10 for S2 8PSK; 1/2, 2/3, 3/4, 5/6, 6/7, 7/8 for QPSK Polarization: 1/13V/18V(optional) 0/22K: 0/22KHz optional Connector: F, 75ohm
DVB-C Input	Input frequency range: 50~860MHz Input level: -25~70dBm Symbol rate: 1~7Mbaud Demodulation: 16/32/64/128/256QAM Connector: IEC, 75ohm
DVB-T/T2 Input	Frequency range: 104~862MHz(VHF/UHF) RF input level: -20~-70dBm Constellation: DVB-T – QPSK, 16QAM, 64QAM; DVB-T2 – QPSK, 16QAM, 64QAM, 256QAM Bandwidth: 6/7/8MHz FFT: DVB-T – 2K/8K; DVB-T2 – 1K/2K/4K/8K/16K/32K 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 FEC: DVB-T – 1/2, 2/3, 3/4, 5/6, 7/8; DVB-T2: 1/2, 3/5, 2/3, 3/4, 5/6 Reflection loss: 7dB Connector: F type Impedance: 75ohm
MPEG TS Input	
	2*ASI input Comply with EN 50083-9 standard Max. bit rate: 170Mbps Effective bit rate: 1~54Mbps ASI format: Byte or Burst MPEG frame: 188/204 byte Return loss: >10dB Connector: BNC, 75ohm

DS3 Input(optional)	
	Max. input bit rate: 44.736Mbps Format: comply to G.804/G.752 standard Connector: BNC, 75ohm
Output	
ASI out	2*ASI output, BNC; SDI output, BNC; DS3 loop, BNC; RF loop, F
A/V Output	Video output connector: HDMI, YPbPr, CVBS Audio output connector: DB9 X 2, 1*RS232 Audio output, including AES/EBU digital audio, XLR, non-balance audio and RCA audio output
TSolP Input/Output	Connector: RJ45 100Base-T Max. output bit rate: 70Mbps/s UDP/RTP: Multicast or Unicast supported Multicast control protocol: IGMPV2
GENERAL OPTIONS	
Control and Monitoring	2*ASI output, BNC; SDI output, BNC; DS3 loop, BNC; RF loop, F
Physical and Power	Video output connector: HDMI, YPbPr, CVBS Audio output connector: 2*DB9, 1*RS232 Audio output, including AES/EBU digital audio, XLR, non-balance audio and RCA audio output

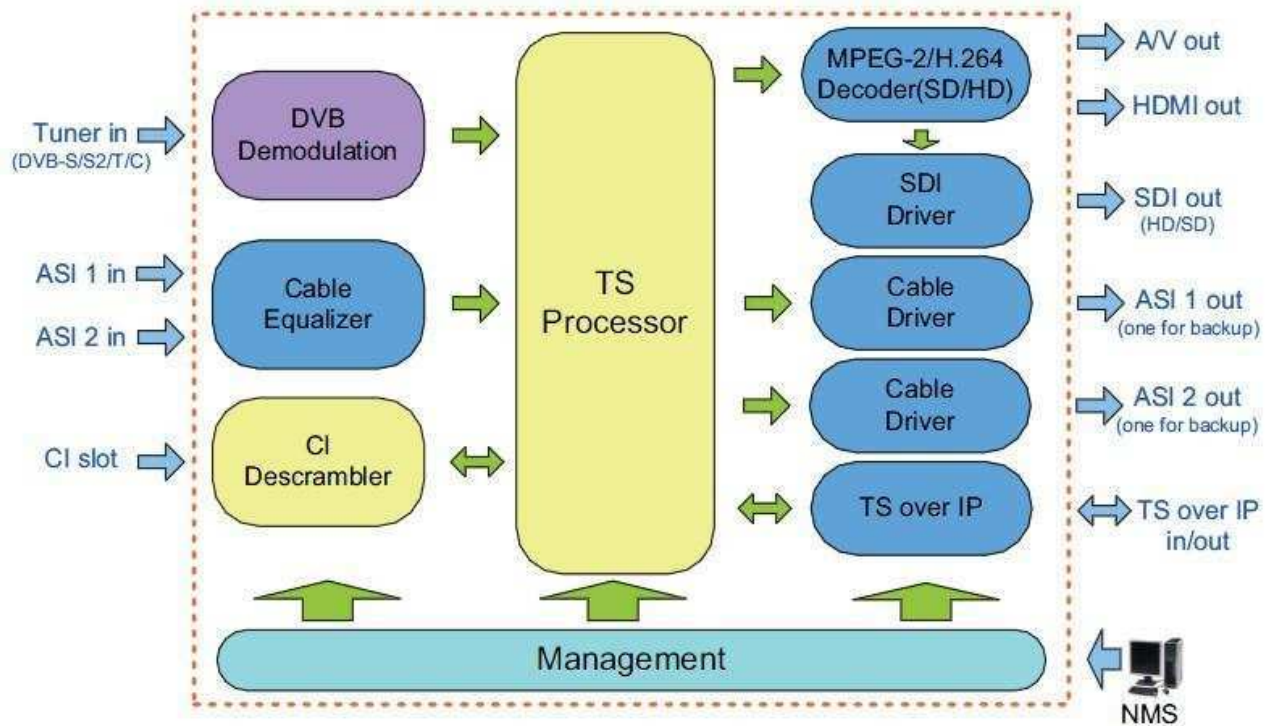
GENERAL OPTIONS**Control and Monitoring**

Remote control network, SNMP supported
Local control: management via Front panel and LCD

Physical and Power

Voltage: 90~260VAC, 50/60Hz
Consumption: 40W
Operating temperature:-10~50°C
Humidity: 10~90% (non-condensing)
Dimensions: 430mm(W)*400mm(D)*45mm(H)
Weight: 5Kg

DIAGRAM



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