DMB-9060 Multi-Channel Professional IRD

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Order Guide

Dual Channel Professional IRD
(Tuner*2+IP in, 2*ASI+1*CVBS+1*HDIM out, 2*CI+BISS decrypting)
Quad Channel Professional IRD
(Tuner*4+IP in, 4*ASI+2*CVBS+2*HDMI out, 4*CI+BISS decrypting)

OVERVIEW

DMB-9060 Multi-Channel Professional IRD is a high-density and flexible device, integrating

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broadcast level receiver, decrypting and decoding function. It supports various of Tuners and IP input which can be selected respectively from DVB-S/S2, DVB-T/T2, and DVB-C, up to 4* Tuner independent input, and also capable of receiving lots of programs from different frequencies. DMB-9060 is designed in standard 1U chassis, with a max. capability of Hot-Pluggable two modules(Each module can support 2 channels). Meanwhile, it delivers unrivaled and reliable video quality program source with advanced video decoding (MPEG-2, H.264 AVC HD) technology, output up to TS*4(Independent) +IP*2(independent)(UDP/RTP) and CVBS,HDMI, LR. It also supports playing out the cyclical programs according to the setting time. Moreover, with its 4*DVB common interface slots, capable of working with most of well-known CAS in the market to decrypt multiple TV pay services. With the perfect design of up to 4*Tuner input and the excellent decoding ability, DMB-9060 is becoming very popular among distribution system, IPTV applications and digital TV headend system for DTV operators, broadcast service providers and IPTV integrators etc.

FEATURES

- Support up to 4*Tuner input modules selectable from DVB-T/T2, DVB-C, DVB-S/S2
- Support SD/HD MPEG-2 and MPEG-4 AVC/H.264 video decoding
- Capable of BISS 1 and BISS E functions.
- Providing Re-multiplexing/filter and 204/188 transfer functions
- MPTS/SPTS over IP output support UDP/RTP protocol, Multicast/Unicast transfer mode
- VBI TELETEXT, EBU/ DVB Subtitle, Closed Caption can be supported
- Capable of PMT detection and dynamic updating automatically.
- Providing variety of outputs mode, including ASI/CVBS/HDMI, TSoIP
- Comply to NTP(Network Time Protocol)
- Support RSSI, Eb/N0, BER is able to be displayed
- Management of support web browser via Ethernet interface
- Support software upgrading by Ethernet interface
- Power-off memory function
- Support fast updating via USB

SPECIFICATIONS

TRANSPORT STREAM INPUT

DVB-S/S2 Tuner Input
- Connector: 2×DVB-S/S2 Tuner, F-female, 75Ω
- Input Frequency Range: 950~2150MHz
- RF Input Level: -65~-25dBm
- Symbol rate: 2~45Mbaud
- Rolling-off Factor: DVB-S QPSK: 0.35
  DVB-S2 8PSK: 0.35, 0.25, 0.2
  DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
- Convolution encoding rates: DVB-S2 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

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DVB-S2 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

- Polarization: 0/13V/18V(optional),0/22KHz optional
- DiSEqC: DiSEqC 1.0

DVB-C Tuner Input

- Connector: 2×DVB-C Tuner, F-female, 75Ω
- Input frequency: 51~862MHz
- RF Input level: 45~75dBuV
- Symbol rate: 1~7Mbaud (ITU J.83 Annex A)
- Constellation: 16/32/64/128/256QAM
- Bandwidth: 6/7/8MHz
- Reflection loss: 7dB (typ.)

DVB-T/T2 Tuner Input

- Connector: 2×DVB-T/T2 Tuner, F-female 75Ω
- Input frequency: 104~862MHz (VHF/UHF)
- RF Input level: -70~-20dBm
- Constellation: DVB-T: QPSK/16-QAM/64-QAM
               DVB-T2: QPSK, 16QAM, 64QAM, 256QAM
- Bandwidth: 6MHz/7MHz/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, 4/5, 5/6
- Reflection loss: 7dB (typ.)

TS over IP in/out

- Effective bit rate: 70Mb/s Protocol: UDP / RTP, Multicast/Unicast, IGMPv2, ARP
- Unicast/Multicast: support maximum 32 channel Unicast/multicast output
- Connector: 1×RJ45, 10/100M

TS Processing

- Re-mux: Re-mux services, edit PSI/SI
- BISS mode: BISS-1, BISS-E
- CI slots: 2×PCMCIA Slots, comply with most major CAMs in market

TRANSPORT STREAM OUTPUT

ASI Output

- Connector: 2×ASI(Independent), BNC Female, 75Ω
- Standard: DVB-ASI, EN50083-9

Website: www.digicast.cn

- Output bit rate: ≤160Mb/s

HDMI Output
- Standard HDMI: 1×HDMI 1.3 interface
- Video Resolution: 1080i×30, 1080i×29.97, 1080i×25,
  720p×60, 720p×59.94, 720p×50,
  480p×60, 576p×50, 576i×25, 480i×29.97
- Audio Embedded: 1×Stereo or AC3 Loop Through

Digital Video/Audio Processing
- Video Standard: MPEG-2(MP@ ML for SD, MP@HL for HD),
  MPEG 4/H.264 AVC high profile level 4.1
- Audio Standard: MPEG-1 Layer-I/II, MPEG-2 Layer-II
  LC-AAC, HE-AAC, AC3, AC3+

Analog Video Output
- Connector: 1×CVBS, BNC female
- Video Standard: NTSC, PAL, and SECAM
- Video bit rate: ≤50Mb/s

Analog Audio Output
- Connector Type: 1×DB9, 600Ω, has a DB-9 to XLR converter
- Output type: Left, Right, Dual Mono, Stereo

Baseband Data Output
- Subtitle: DVB/EBU
- VBI: Teletext, WSS
- Closed Caption: EIA 608, EIA 708, EIA 608-to-708

A/V monitor
- Monitor Port: HDMI, CVBS
- Monitor Condition: by user

GENERAL OPTION

Control & Monitoring
- Connector: 1×RJ45, 10/100M, for equipment IP Control
- Remote Control: SNMP, HTTP Web
- Local Control Handheld: Programmer Unit
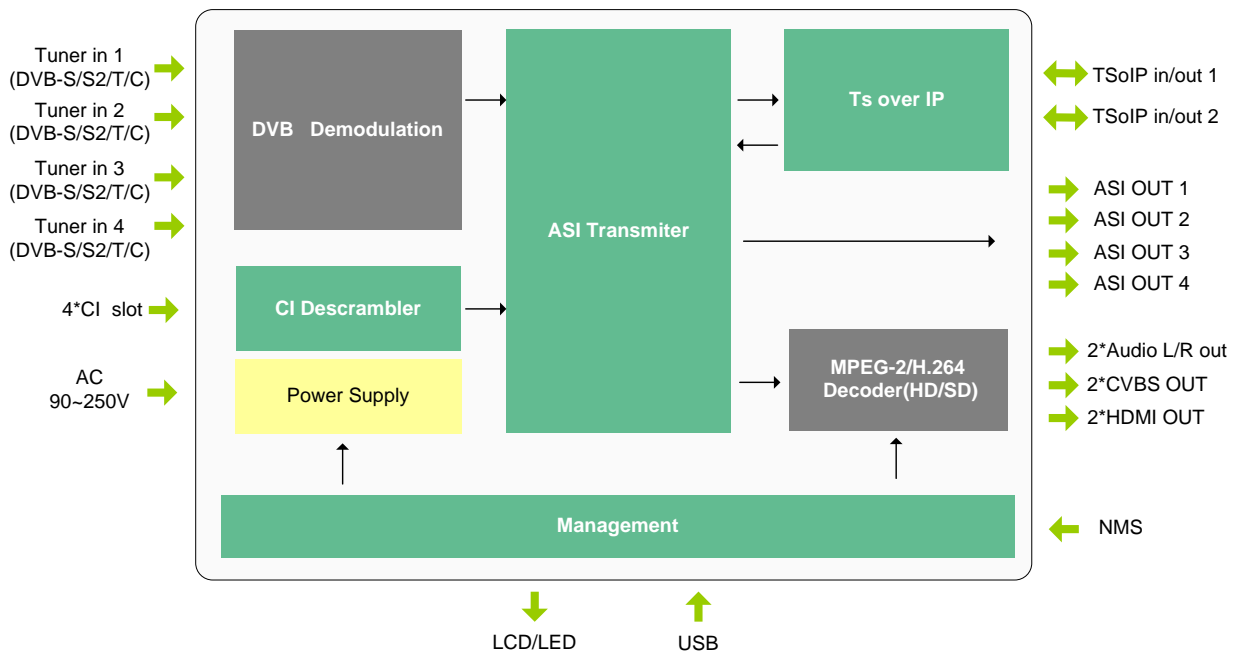- Software Upgrade: 1×USB Port or FTP loader

Physical and Power
- Power Supply: AC 90~250V 50/60Hz

Website: www.digicast.cn

DMB-9060 Multi-Channel Professional IRD

- Consumption 40W
- Operational temperature: 0~45°C
- Storage temperature: -10~60°C
- Humidity: 10%-90%
- Dimension: (1RU,19inch),483mm(W)×340(D)mm×44mm(H)
- Weight: 4.5kg

DIAGRAM

Tuner in 1 (DVB-S/S2/T/C)			Ts over IP	TSoIP in/out 1
Tuner in 2 (DVB-S/S2/T/C)	DVB Demodulation			TSoIP in/out 2
Tuner in 3 (DVB-S/S2/T/C)		ASI Transmiter		ASI OUT 1
Tuner in 4 (DVB-S/S2/T/C)				ASI OUT 2
4*CI slot	CI Descrambler			ASI OUT 3
AC 90~250V	Power Supply		MPEG-2/H.264 Decoder(HD/SD)	ASI OUT 4

- ASI OUT 1
- ASI OUT 2
- ASI OUT 3
- ASI OUT 4
- 2*Audio L/R out
- 2*CVBS OUT
- 2*HDMI OUT

Management → NMS

LCD/LED   USB

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