



OVERVIEW

DMB-9060B Professional IRD is a high-density and flexible device, integrating broadcast level receiver, demodulation, decrypting and decoding function. It supports ASI, IP and various of Tuners input which can be selected respectively from DVB-C/T/T2/S/S2/S2X/ATSC-T/ISDBT for option with 2 Tuner independent input. And it also capable of receiving lots of channels from different frequencies.

DMB-9060B Professional IRD is designed in standard 1U Chassis, it can be placed directly on the rack. Meanwhile, it delivers reliable video quality program source with advanced video decoding (HD/SD MPEG2, MPEG4 AVC/H.264 and HEVC/H.265) technology, IP (1 *MPTS & 16* SPTS) output over UDP and RTP/RTSP; 2 ASI mirrored out as a copy of the IP MTPS. Each CAM can decrypt multiple channels from Tuner/ASI/IP. And it also supports BISS decryption.

DMB-9060A Professional IRD is becoming very popular among distribution system, IPTV applications and digital TV head-end system for DTV operators, broadcast service providers and IPTV integrators etc.

FEATURES

- **Demodulator + Descrambler +Re-mux+ Decoder modules in one box**
- 2 Tuner inputs (DVB-C/T/S/S2/S2X/ATSC-T/ISDB-T optional) for option
- 2 ASI & 16 IP UDP/RTP input for re-mux

- Support 1ch HDMI/CVBS/3G-SDI video out (SDI1 and SDI2 mirrored out)
- Support 2ch Audios out for option
- Support HD/SD MPEG2, MPEG4 AVC/H.264, HEVC/H.265 and AVS/AVS+ decoding
- Support MPEG 1 Layer II, LC-AAC, HE-AAC, HE-AAC V2, Dolby Digital/Dolby Digital Plus decoding and AC3 passthrough
- IP (1 *MPTS & 16* SPTS) output over UDP and RTP/RTSP; 2 ASI mirrored out as a copy of the IP MTPS
- Each CAM can decrypt multiple programs from Tuner/ASI/IP
- BISS descrambling (Up to 120Mbps)
- Support CC (EIA608, EIA708) & Teletext (Applicable for SDI port)
- Support maximum 128 PID mapping per input
- LCD/Keyboard and web-based NMS management
- Updates via web

SPECIFICATIONS

Transport Stream Input

- It can support 1or 2 *Tuner input, F type (DVB-C/T/T2/S/S2/S2X/ATSC-T/ISDB-T)
- 2*ASI input for re-mux, BNC interface
- 16*IP input for re-mux (with UDP/RTP protocol)

Part 1 (three tuners for option)

DVB-C Tuner Input

- Input Frequency:60~890 MHz
- Standard:J.83A, J.83C; J.83B
- Constellation:16/32/64/128/256 QAM; 64/256 QAM

DVB-T/T2 Tuner Input

- Input Frequency:60~890 MHz
- Bandwidth: 6/7/8 M
- Constellation: QPSK, 16QAM, 64QAM

ISDB-T Tuner Input

- Input Frequency:60~890 MHz

- Constellation: DQPSK, QPSK, 16QAM, 64QAM

Part 2

ATSC Tuner Input

- Input Frequency: 54~858MHz
- Bandwidth: 6M
- Constellation: 8VSB

Part 3

DVB-S Tuner Input

- Input Frequency: 950~2150MHz
- Symbol rate: 0.5~45Msps
- FEC: 1/2, 2/3, 3/4, 5/6, 7/8
- Constellation: QPSK
- Signal Strength: -65~ -25dBm
- Max input bitrate: ≤160 Mbps

DVB-S2 Tuner Input

- Input Frequency: 950~2150MHz
- Symbol rate: QPSK/8PSK/16APSK: 0.5~45Msps;
32APSK: 0.5~40Msps
- FEC: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
- Constellation: QPSK, 8PSK, 16APSK, 32APSK
- Max input bitrate: ≤160 Mbps

DVB-S2X Tuner Input

- Input Frequency: 950~2150MHz
- Symbol rate: QPSK/8PSK/16APSK: 0.5~45Msps ;

32APSK: 0.5~40Msps;

- FEC: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20
8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
8APSK: 5/9-L, 26/45-L
16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36,
2/3-L, 25/36, 13/18, 7/9, 77/90
32APSK: 3/4, 4/5, 5/6, 8/9, 2/3-L, 32/45, 11/15, 7/9
- Constellation: QPSK/8PSK/8APSK/16APSK/32APSK
- Max input bitrate: ≤160 Mbps

Transport Stream Output

Video

- Interface: 1*CVBS/HDMI/3G-SDI (SDI1 and SDI2 mirrored out)
- Decode technology: 4:2:0 MPEG-2, MPEG4 AVC/H.264 and HEVC/ H.265
- Resolution: 1920×1080_60p, 1920×1080_60i, 1920×1080_50p; 1920×1080_50i;
1280×720_60P, 1280×720_50P; 480i, 576i

Audio

- Interface: HDMI, SDI, DB15 to (XLR, RCA, AES, S/PDIF)
- Decode technology: MPEG 1 Layer II, LC-AAC, HE-AAC, HE-AAC V2, Dolby Digital/ Dolby Digital Plus
- Audio Output Mode: Left, Right, Stereo

IP Output

- IP (1*MPTS & 16*SPTS) out over UDP, RTP/RTSP.
- 1000Base-T Ethernet interface (unicast / multicast)

ASI OUTPUT

- 2×ASI mirrored out, BNC interface

Descrambling

- CAM/CI Qty: 2

- BISS Mode: Mode 1, Mode E (up to 120Mbps)

System

- Local interface: LCD + control buttons
 - Remote management: Web Management
- Upgrade: USB, web management

GENERAL OPTION

Physical and Power

- Voltage: 100~240VAC, 50/60Hz
- Consumption: 20W
- Operating temperature: 0~45°C (operation), -20~80°C (storage)
- Dimensions: 482mm(W)*300mm(D)*44.5mm(H)
- Weight: 7Kg/pc

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