



OVERVIEW

DMB-9006AV 6-Channel Professional Decoder provides a high-integrated and cost-effective solution for digital TV systems. It supports up to 6 channels of DVB-S/S2 or DVB-T signal receptions optionally, capable of meeting the diversified distribution applications. With 6 DVB-CI slots, DMB-9006AV also support various CA systems, including BISS 1, BISS E, Irtedo, Viaccess and Conax etc. Furthermore, the device is embedded with MPEG-2 and MPEG-4 AVC/H.264 decoding module, and each of them can work independently, enhancing DMB-9006AV flexibility and reliable operation. Based on the users' request for varieties of program sources, the operators can choose any 6 channels freely and output via CVBS and HDMI connectors. Besides, DMB-9006AV also adopts update hardware and software technology, capable of being applied to all kinds of digital TV signal reception system and IPTV system. The first-class design and stable performances, which provides the operators perfect choice and satisfaction experiences.

FEATURES

- Support 6* DVB-S/S2 or DVB-T Tuner inputs optional, and output with analog and digital signals independently
- Conform to decoding standard of MPEG-2 (MP@HL) and MPEG-4 AVC/H.264 in SD/HD
- Abundant interfaces, including Tuner in/loop out inputs, CI slots, CVBS and HDMI outputs, USB ports, etc.
- Providing up to 6 common interfaces for descrambling
- Support BISS 1 and BISS E decryption modes
- Support Irtedo, Viaccess, Conax, Tongfang and other CAS decryption
- Compliant with VBI Teletext (DVB ETS 300 706) and EBU/DVB Subtitle

- NTSC/PAL/AUTO TV standard conversion compatible
- Automatic parameters storage and update
- Software upgrade via USB
- Power-off memory function
- Easy-to-use with OSD (On Screen Display) menu, convenient to operate and maintain

Tuner Input

DVB-S/S2 Tuner

Connector Type: 6 × F type female 75Ω for Input

6 × F type female 75Ω for loop through

Input Frequency Range: 950~2150MHz

Input Level: -65~-25dBm

Symbol Rate: DVB-S QPSK: 1~45MBauds/s

DVB-S2 QPSK: 1~45MBauds/s

DVB-S2 8PSK: 1~45MBauds/s

Roll-off Factor: DVB-S: 0.35

DVB-S2: 0.35, 0.25, 0.2

FEC Code Rate: DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 6/7, 7/8

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

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

LNB Polarity Selection

Polarization: 0, 13V, 18V (optional)

Satellite Selection Command: DiSEqC 1.0

DVB-T Tuner

Connector Type: 6×F type female 75Ω for Input

6×F type female 75Ω for loop through

Input Frequency Range: 174~230MHz, 470 ~ 860MHz

Input Level: -65~-25dBm

Bandwidth: 6MHz/7MHz/8MHz

Symbol Rate: DVB-T: 3.6~6.952Mbaud

FFT : DVB-T: 2K/8K

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

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

Digital Video/Audio Decoding

Video Standard: MPEG-2 MP@HL

H.264/AVC MP@L4.1, HP@L4.1, MP@ HL, AP@L3

Video PID Bit Rate: Max. 60Mbit/s
Aspect Ratio: 4:3, 16:9, Automatic
Video Resolution: 480i, 576i, 1080i, 480p, 720p, 1080p
Video Format: NTSC/PAL/AUTO
Audio Standard: MPEG-1 layer I/II, MP3, MPEG-2 layer II,
Dolby Digital, HE-AAC
Sampling Rate: 32, 44.1, 48KHz

Common Interface

Type: 6* PCMCIA

Composite Video Output

Connector Type: RCA*6
Output Impedance: 75Ω
Output Level: 1.0V±30mVp-p
Frequency Response: ±0.5dB (4.8MHz)
Differential Gain: ≤5%
Differential Phase: ≤5°
Chroma-Luma Delay: ≤30ns

HDMI Output

Connector Type: 6*HDMI 1.1

Audio Output

Output mode: RCA*6
Audio Standard: Mono, Stereo
Output Impedance: 100Ω
Output Level: ±6dB
Frequency Response: ±0.5dB (20Hz~18Hz)
Signal to Noise Ratio (SNR): ≥70dB

USB Interface

Connector Type: USB Type A
Usage: Firmware upgrade

GENERAL OPTIONS

Physical and Power

Voltage: 90~260VAC, 50/60Hz
Consumption: 25W
Operating temperature: 0~40°C
Storage temperature: -25~55°C
Humidity: 10~90% (non-condensing)

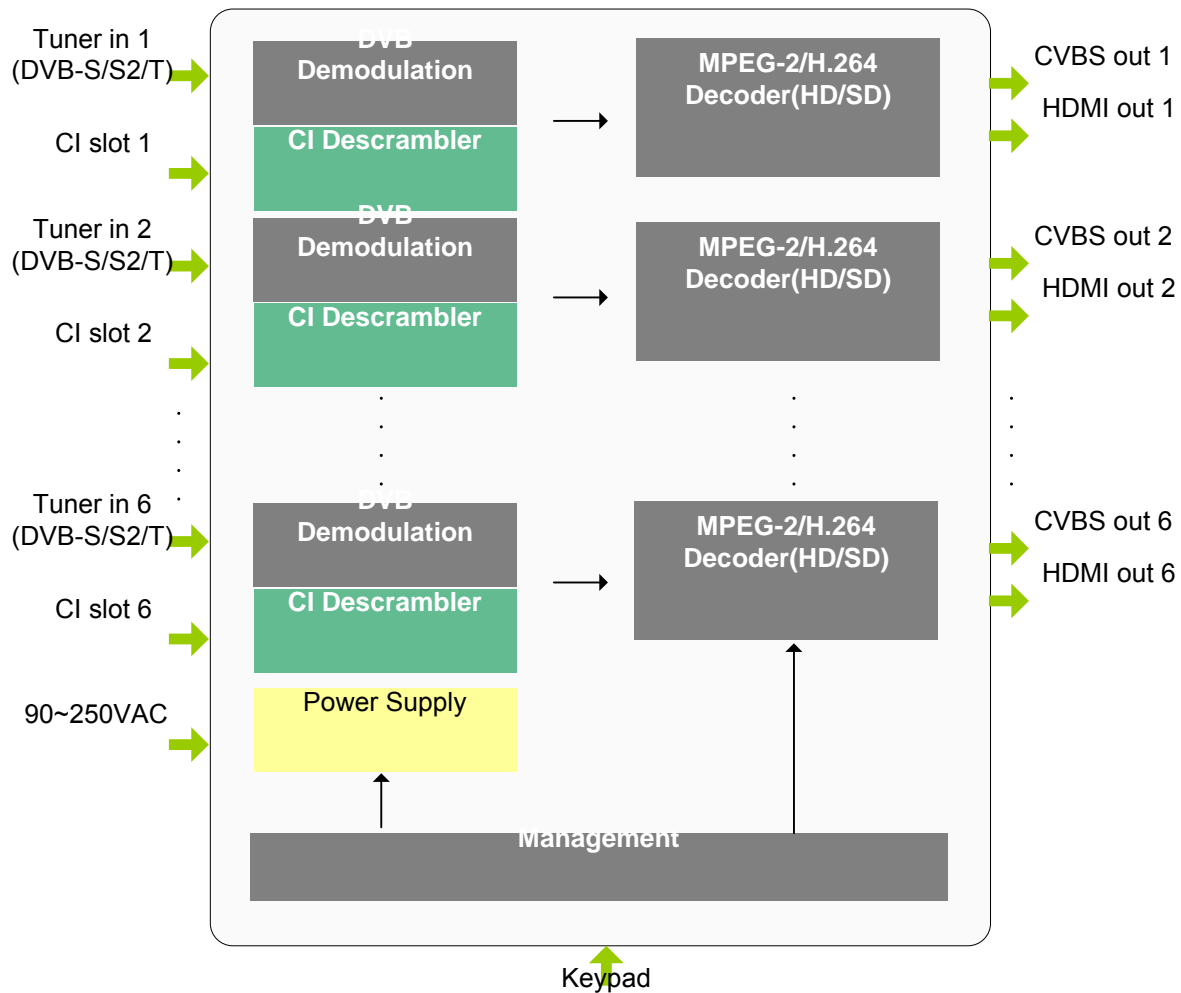
DMB-9006AV 6-Channel Professional Decoder

Dimensions: 483mm(W)*237mm(D)*45mm(H)

Weight: 3.7Kg

DIGICAST | DTVANE

DIAGRAM



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