

AVS/ H.264/ MPEG-2/MPEG4 DMB-T FUBOX-14C (SDC-3000B)



Outline

SDC-3000B H.264/ MPEG2/MPEG4 DMB-T set top box ,In full compliance with the "GB 20060-2006 digital terrestrial television broadcasting system frame structure, channel coding and modulation" standard, adopts micro-processor, support several CAS integration .supports a large quantity of programs searching , including NIT ,automatical searching and manual searching .Much more accessorial service. With the latest decoding chip, it is featured with CA smart card control, full-featured infrared remote control, Chinese/English output display, large-capacity storage, high-definition, and high-quality audio/video output, etc. It has full functions, user-friendly operation and stable signal.

Features

Processor system

- | 32 ARM9 high performance processor application oriented, Main Frequency up to 400Mhz;
- | Embedded ICE/JTAG debugging interface;
- | Support monolithic 16 DDR2 memory particles, the maximum capacity up to 1Gb;
- | Integrated multiple timer, counter and DMA controller.

MPEG decoder

- | Support MPEG-2 MP video format decoding;
- | Support MPEG-1 video format decoding;
- | Support automatic frame rate conversion;
- | Support video error correction decoding

H.264/AVC decoder

- | Fully compatible with ITU-T H.264 High Profile video format decoding, maximum size to 720x576;
- | Support error detection and error correction decoding.

AVS decoder

- | Fully compatible with GB/T20090-2-2006, support JIZHUN/L6

Audio decoding

- | Embedded audio decoding acceleration unit;
- | Support MPEG-1/2 Layer I/II audio format decoding;

- | Support MPEG-1/2 Layer III (mp3) audio format decoding;
- | Support MPEG-2 AAC audio format decoding;
- | Support MPEG4 AAC-LC audio format decoding;
- | Support Dolby AC3 5.1 channel audio format decoding;
- | support 5.1 channel stereo mix;
- | Support the mute, gradient and volume control.

Video output

- | Support 480i/576i/480p/576p video output;
- | Support 4:3 and 16:9.video output
- | support 1/16 to 16 times horizontal and vertical video scaling
- | Support conversion of interlaced and progressive video;
- | 4 10 bit precision DAC output: CVBS, S terminal and the component video.

The transport stream de-multiplexing

- | Support a serial mode TS input, the maximum bit rate 128Mbps;
- | Support TS and PES descrambling

DTMB de-modulate

- | standard MPEG-2 output;
- | 4QAM-NR, 4QAM, 16QAM, 32QAM 以及 64QAM ,
- | PN420 , PN595and PN945 symbol definition;
- | LDPC packet error correction code optional , support rate 0.4, 0.6 and 0.8;
- | De-interleaving symbol depth: 240 or 720;
- | Support carrier and bit rate automatic search;
- | bandwidth: 6MHz, 7MHz and 8MHz.

Typical configuration

- | 8MByte Flash
- | 128MByte DDR2 RAM

Interface

- | RFinput : British F female
- | RF output : IEC male
- | Vedio output : 2xCVBS
- | Audio output : 1xRCA
- | USB interface : for upgrading , PUSH or PVR。
- | DC input : 5V/2A
- | Serial port: 5 core socket