A710 brief working principle

Tuner IC(XC5000) receives the RF signals and send out the intermediate frequency signals. The demodulator(MSD809) recieves and disposes the intermediate frequency signals then send out TS signals to main chip(MSD110AL). As the decoder,Main chip(MSD110AL) deals with the TS signals and completes all the operations related ATSC&NTSC TVs.Then send out RGB signals to dirve the TFT LCD, send out audio signals to audio amplifier,receives remote signal and key signals to deal with user's operation.

To deal with TV signals is one functions of the main chip.It has SPI and USB interface to decode files,such as jpg,mp3,mpeg4 and divX,AVI and so on.

Firmware is stored in FLASH(EN25B16 or EN25F16).After system initialization, the program starts operating. System controlled by CPU-main chip(MSD110AL). Random data or user's information is stored in the EEPROM Medium.

This product has SD card port and USB port(USB host only).Support SD,MMC,MS card.

It can play MP3,MP4,DivX,AVI,RMVB,WMA,JPG files and so on .

Receive frequency range: 57MHz-855MHz

Power: 10W

Power Adapter: 9V/2A

Battery: 2000mA h/7.4V (Li polymer battery)