Media2Ts User's Guide

Revision log

Revision	Date	Author	Remarks
1.0	2013/2/7	Caryl	First release
1.1.1	2013/07/18		

ITE Tech. Inc.

Easy HD Expressway

airHD®   ccHDtv®

Table of Contents

1 Introduction

Media2Ts is a trans-coding application, which converts video/audio files into MPEG2 or H.264 files in MPEG2 transport stream format, with DVB SI tables inserted. The converted stream files can be used with IT9500 TsPlayer for digital TV broadcast/transmission.

The application is well tested in windows 7, while it should also work in Windows XP or Vista.

This document introduces how to install, configure, operate and run Media2Ts.

2 Installation

Copy the folder "\Media2TS" on the CD to your local hard disk, say C:, D:, E: or F:…
The following instructions assume C: drive is used.
run "C:\Media2TS\ install.exe" to complete installation for Media2TS.

3 Function Briefing

- Power button
  Quit the application

- Convert/Pause
  Convert : Start converting.
  Pause: Pause converting. **(Not supported yet in this version.)**

- Stop
  Stop converting file.

- File

Choose the input video/audio file to be converted

- Setting

  Settings for target file folder, encoder and muxer.

  - General setting page
    - ◆ Setting the output file name
    - ◆ Setting the output file path
    - ◆ The target file includes video only , audio only or both.

    Note: by default, "Video only" is checked.

  - Video encoder setting page
    - ◆ Stream format: encode to H264 or MPEG-2 format
    - ◆ Preset: Normal, Best quality, High speed, User Defined, Low latency
    - ◆ Target Usage: Quality, Balanced, Speed
    - ◆ Frame size: 1920✕1088, 1280✕720, 720✕576, 720✕480
    - ◆ Rate Control: CBR, VBR
    - ◆ Bit rate
    - ◆ Profile: Auto select, Base line, Main, High, High10, High422
    - ◆ Level
    - ◆ GOP size
    - ◆ Distance between I or P key frames
    - ◆ Number of slices
    - ◆ Picture coding mode: Progressive, Top field first, Bottom field first

  - Muxer setting page
    - ◆ Media type: Muxer developed by ITE, Mainconcept or Intel
    - ◆ Country
    - ◆ Number of programs
    - ◆ LCN
    - ◆ Original network id
    - ◆ Transport steam id
    - ◆ Network name
    - ◆ Provider name
    - ◆ Service name
    - ◆ Video /Audio PTS lag setting (in ms)
    - ◆ PCR initial value

◆   PMT/Video/Audio PID settings

◆   Present EIT Settings

● Progress bar

4 File and folder descriptions

● Install.exe: execution file for installation
● UIResource.dll: resource file
● TsMuxer.ax: muxer filter to transport stream
● IteApiEx.dll: dynamic link library for application
● Mpeg2VideoEncoder.ax: Mpeg2 video encoder filter
● ImageResizer.ax: resize selected image files to multiples of 32
● H264VideoEncoder.ax: H264 video encoder filter
● Demuxer.ax: de-compilation of all data streams
● Imc_mpa_enc_ds.dll: Intel mp3 audio encoder filter
● Libmfxsw32.dll: invoked by Intel filter
● imc_aac_enc_ds.dll: Intel AAC audio encoder filter
● ac3fileter: To support more media types.
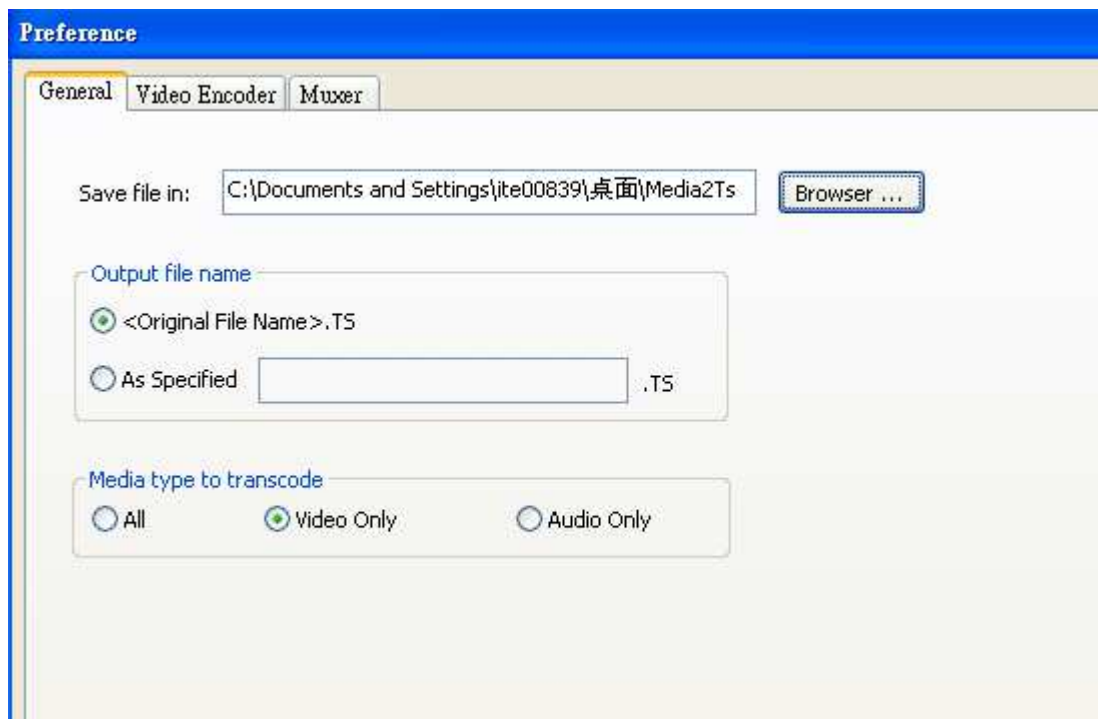
5 Run Media2Ts

● Depending on the OS type, run proper Media2Ts.exe
   ■   , launch Media2Ts.exe in the folder "\mdeia2ts"..
● Select File button to choose a video/audio file to be converted,

● Select "Setting" to set desired options.

The setting paged is shown as below:

- In the "General" property page, set the destination file.
- In the "Video Encoder" property page, set encoding options.
- In the "Muxer" property page, set DVB SI table options.

- Press Convert button to start converting file.

- During trans-coding, input file name and output file path will be shown when the mouse cursor moves over application window.

Input file: New moon 1080p
Save in: C:\WD\New moon 1080p.ts

10.5 %

6 Known problems & limitations

1. Only windows 7 32bit and 64 bit are well tested.
2.

7 Trouble shooting