



# MP4 reference solution

Base on Sigmatel 3638



# Introduction of Solution

- A solution of STMP3638 + STFM1000 + 2.4" TFT display + SD card slot.
- Complete firmware based on SDK4.420RTM plus graphical UI.
- User is allowed to change the key configuration, TFT display driver, and opening logo display to work out a production ready firmware.
- You could do the PCB layout according to our reference schematic.



# Basic functions of Solution

- Support MSC/MTP mode.
- Standard Graphical UI with multi-language support.
  - English, Simplified Chinese, Traditional Chinese, Korean,.....
- Application includes:
  - Music
  - FM radio
  - Video playback
  - Photo
  - Recording
  - E-book
  - Clock/Alarm
  - Calendar
  - Folder browsing
  - Game (Tetris only)



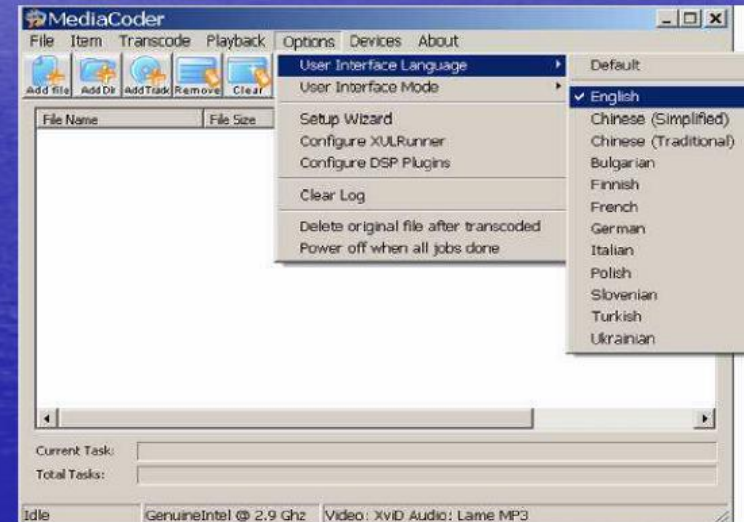
# Supporting formats.

- Music:
  - Support MP3, WMA, AAC, OGG, ADPCM, PCM decoding.
- Video:
  - QVGA 320x240 resolution, WMV(SP)@15fps, MPEG4(SP)@20fps.
- Recording:
  - Support line-in, mic-in, FM record.
  - Support MP3, ADPCM, PCM audio encoding.
- Photo:
  - BMP, CIF, JPEG with scaling.
- E-book:
  - Text file \*.txt



# Media Coder

- Allow user to convert different video file formats into a STMP3638/50 acceptable video format.
- To maximize STMP3638 Turnkey solution video performance.
- To avoid compatibility problem due to different video file formats.



# PCB and casing

