



AVI Parser

Product Data Sheet

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Features

File format

- Microsoft AVI format (AVI 1.0)
- OpenDML AVI File Format Extensions (AVI 2.0)
- DivX File Format (*)

Video track of the following codec types:

- DivX, version 3,4,5, 6 (*)
- MPEG-4
- H.264
- Motion JPEG
- Xvid
- WMV, version 7,8,9

Audio track of the following codec types:

- AAC (MPEG-2/MPEG-4 audio)
- MP3 (MPEG Layer-2 & Layer-3)
- AC3
- PCM

More:

- DivX DRM (*)
- Support multiple audio tracks. User can choose to read data from any track.
- Error concealment is implemented to play cut short or partially corrupted movies.

Integrated into & tested under GStreamer

* NOTE:

To fully support DivX features (playback & DRM), please contact Freescale representatives to get the right packages.

Known Limitations

- No support for subtitles.
- No support for partial output of large A/V samples.

Supported Platforms

- Hardware – iMX ARM Platforms
- Software - eLinux

Performance Outline

i.MX Series

Typical spec: 720x480 30 fps, 4M bps

Performance (MHz): 4MHz

Memory Foot Print (KB)

- 337 KB (for a 3-hour clips with 1 video, 8 audio, 8 subtitles)

Usecase:

MPEG4 video + MP3 audio

H.264 video + MP3 audio

DivX video + MP3 audio

Performance measurements can deviate based on ARM core, memory and cache configuration on the board. This component is not ARM optimized.

For further details, contact Freescale customer representative

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