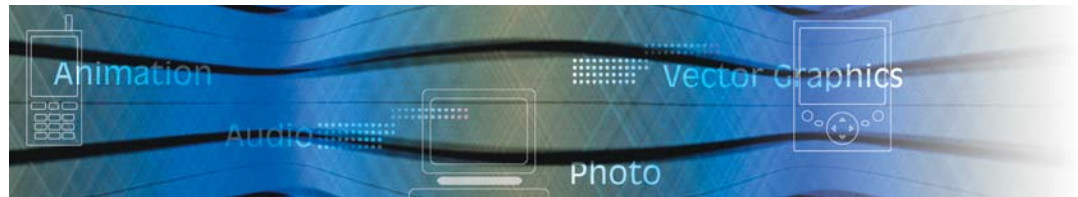


Streamline your wireless development processes through the integration of ArcSoft's mobile library solutions. ArcSoft codecs use the latest updates and protocols to allow complete flexibility for your products and services. Empower your devices with the latest in digital imaging and audio.



CODECS

JPEG

- Baseline compression/decompression
- JFIF read/write
- Progressive JPEG
- EXIF thumbnail and header
- Generic ARM-based performance optimization
- MMX-based performance optimization
- Streamlined encoding/decoding mechanism for small footprint

GIF89a/GIF87a

- Full GIF89a and GIF87a support
- LZW compression/decompression
- Decoding/encoding
- Animated GIF color optimization
- Animated GIF file size optimization
- GIF animation playback framework
- Streamlined encoding/decoding mechanism for small footprint

AMR

- 3GPP AMR speech standard compliant
- CELP, frame muting, VAD, etc.
- Read/write AMR file format (RFC 3267)
- Real-time encoding/decoding framework

MIDI/SP-MIDI

- Wavetable-based sound synthesis technology
- Up to 64 polyphony
- SP-MIDI (3GPP + MMA) and GM1 content (MMA)
- Standard MIDI support (.MID, .SMF)
- Full 16 MIDI channel support
- MIDI 1.0 event support
- GM1 MIDI synthesizer/sequencer models
- Configurable instrument bank; standard GM1 sound set with 128 melodic timbres and 47 percussive timbres

VECTOR-BASE GRAPHICS

- Anti-alias rasterization of arbitrary 2D graphics
- Sub pixel object coordinate support
- Stroke, brush, path with arbitrary combination of straight line and Bezier curve
- Solid color, linear, and radial gradient filling styles
- Arbitrary 2D shape support
- Multiple layers and compositions
- Mask layers
- Vector-based fonts
- Sprite and animation support
- Morphing
- Animation
- Flash movie (5.0 and below, except action script)
- 10+ FPS playback speed for average Flash
- Implementation as plug-in for MMS and browser

MPEG4/H.263 VIDEO

- ISO MPEG-4 simple profile
- ITU H.263 baseline
- ISO-based A/V streams, H.263 + AMR or MPEG-4 + AMR
- 3GPP .3GP file format
- ISO .MP4 file format
- System MUX and DEMUX support
- APIs to facilitate start, pause, continue, forward, and backward in the player

AMIL IMAGE PROCESSING LIBRARY

- Image editing
- Image enhancement
- Image composition/warping/morphing

PNG

- Lossless ZLIB compression/decompression schema
- Read/write PNG file format
- Alpha channel

SUPPORTED OS

- Symbian 6.x and Nokia S60
- Symbian 7.0 and UIQ
- Microsoft Pocket PC
- Microsoft Smartphone
- Palm® OS 4.x
- BREW

