

## FlexMotion Series

Originally developed for mobile phones, FlexMotion is a multimedia player targeted at a wide variety of embedded devices. Offered as a cross-platform player, it supports an extremely diverse range of content types, from movies, to TV drama and programs, to music, novels, and magazines.

As FlexMotion is a fully-featured solution entirely developed in-house, complex and intricate licensing schemes are unnecessary.



### FlexMotion ChannelPlayer

- 100% software, high-quality movie platform for mobile phones and other embedded devices.
- It is a channel application featuring an entirely customizable and rich User Interface.
- Full-screen display and continuous playback over a prolonged time on 3G mobile devices.
- Content is streamed over the network or read from a local file (ex: from an SD™ card).
- Dynamic adjustment of bandwidth to reach effective bandwidth for block noise-free, seamless playback of content even on unstable connections.
- A movie platform entirely implemented in software, it is easily installed and used on a variety of devices.
- Can be customized and re-branded (logo, background image, splashscreen, etc.)

### References

- CanCam.TV (Shogakukan), Movie Promotion Site (GAGA), Tokyo International Film Festival

### Main Features

- Movie Player
  - Customizable UI (image, base color scheme, etc.)
  - URL link support (after the movie has played, a pre-defined website is displayed)
  - Volume control
  - Bookmarks
  - Fast-forward and rewind
  - Same player used for 3G or 3.5G devices
  - Unlimited playback
  - Buffering: approx. 10 seconds
  - Integration with paid content
  - Supported devices : NTT Docomo 903 or later, Softbank Mobile devices (heap size 4MB or more)
- Encoder
  - Batch encoding
  - Various formats supported: MPEG, WMV, FLV, AVI
  - Encoding time is identical to movie playback time or shorter are identical
  - Supports Windows® XP, Vista, 2003 Server
  - File size after encoding: 1 hour/720MB, 1mn/12MB
  - High image quality
  - Dithering-based image correction
  - Uses proprietary compression/decompression methods
  - Bandwidth adjustment during playback: 10 levels
- Current developments
  - Batch replace from DVD
  - Live content delivery
  - Chapter Jump
  - Subtitle overlay, language switch (English, Japanese)



### FlexMotion MoviePlayer

- 100% software, high-quality movie platform for mobile phones and other embedded devices.
- Contrary to FlexMotion ChannelPlayer, it is a simple movie player without a rich User Interface.
- Full-screen display and continuous playback over a prolonged time on 3G mobile devices.
- Content is streamed over the network or read from a local file (ex: from an SD card).
- Dynamic adjustment of bandwidth to reach effective bandwidth for block noise-free, seamless playback of content even over an unstable connection.
- A movie platform entirely implemented in software, it is easily installed and used on a variety of devices.
- Can be customized and re-branded (logo, background image, splashscreen, etc.).



### **FlexMotion DocumentViewer**

- Breakthrough document viewer using eflow's proprietary compression / decompression algorithms.
- Very fast operation to achieve high display speed and usability.
- Incremental decoding through document data look-ahead
- Can display large-size business documents or newspapers on mobile phones.

#### **Main Features**

- DocumentViewer
  - Thumbnails ■ Bookmarks ■ Table of contents ■ Page jump ■ Zoom in, zoom out ■ Embedded links
  - Overlays ■ Launch from browser ■ Supported devices : NTT Docomo 903 or later, Softbank Mobile devices (heap size over 4MB)
- Encoding
  - Specific printer drivers available (Windows XP, Vista) ■ Server-side conversion (Microsoft Word, Excel, PowerPoint, Adobe® PDF, GIF, JPEG, PNG, BMP)



### **FlexMotion MagazineViewer**

- Breakthrough magazine viewer using eflow's proprietary compression / decompression algorithms and magazine data display method.
- Minimum user interaction required allowing a stress-free and effective operation on mobile devices.
- With FlexMotion magazine, typical authoring time and cost are eliminated, bringing considerable business opportunities.

#### **Main Features**

- Thumbnails ■ Bookmarks ■ Table of contents ■ Page jump ■ Zoom in, zoom out ■ Embedded links
- Overlays ■ Launch from browser ■ Supported devices : NTT Docomo 905 or later (WVGA), Softbank Mobile devices (heap size: 4MB or more, WVGA).

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