



Envivio Mobile Series 4Coder Mobile SE

Offline Mobile TV Software Encoder

Targeting VOD content creation for mobile streaming services

A new generation of handsets is enabling broadcasters and services providers to repurpose their existing content and extend television to mobile devices. Mobile television services require compression systems that offer high picture quality at low data rates optimized for IP networking. And since mobile devices support a wide variety of specifications, encoders must have the flexibility to package high quality, interactive content to any subscriber.

Envivio® 4Coder™ Mobile is an offline Mobile TV software encoder that optimizes video and audio for delivery to mobile television subscribers. MPEG-4 compression ensures the highest quality video at the lowest possible bit rates. With the most widely deployed encoders for mobile applications, Envivio MPEG-4 experts can guide mobile operators wanting to enrich subscriber packages beyond voice and broadcasters wanting to repurpose content for on demand video and mobile TV. Compliance with international mobile delivery standards including 3GPP, 3GPP2 and ISMA allows 4Coder Mobile to reach the highest number of subscribers and makes it the ideal system to support the mobile applications of today and tomorrow.

Features

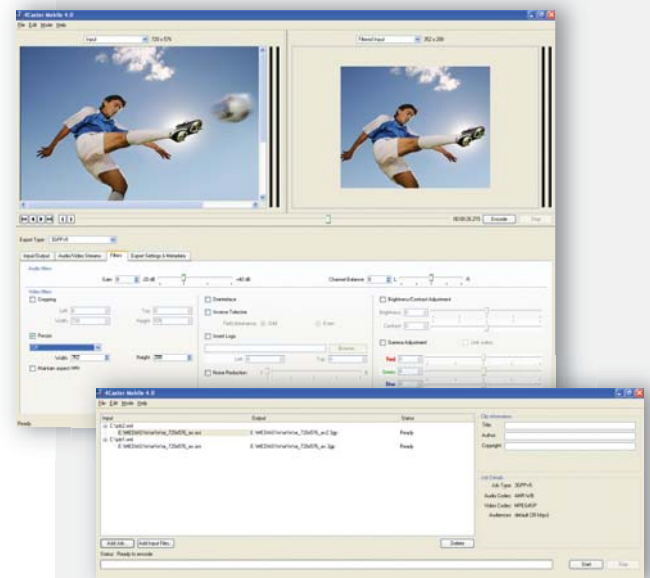
- Offline software encoding
- Video codecs: H.263, MPEG-4 SP and H.264
- Audio codecs: QCELP, AMR-NB, AMR-WB, AAC-LC and HE-AAC
- Import files in a variety of formats including AVI, MOV, DV, MPEG-2*
- Batch processing for automated production of large quantities of content
- Supports open standards-based specifications including 3GPP, 3GPP2
- Support for 3GPP multirate file format

Product Highlights

- Mobile TV offline software encoding optimized for mobile application data rates and screen resolutions
- Support for commonly deployed encapsulation and file format standards including 3GPP and 3GPP2
- Software platform offers the flexibility of custom configuration
- Proven interoperability with new and existing handsets from the maker of the most widely deployed encoders for professional mobile video applications

Applications

- Mobile TV Video on Demand (VOD)
- Interactive Video Services





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File Input

Video

AVI, MOV, DV*, MPEG-2*

Audio

AVI, MOV, DV*

File Output

3GPP2, 3GPP, 3GPP multirate, MPEG-4 file output

Encoder

Video

H.263
MPEG-4 SP level 0-3
H.264 baseline level 1-2
SQCIF to CIF resolution
Data rate: 20 kbps to 384 kbps

Audio

AMR-NB, AMR-WB, QCELP
MPEG-4 Advanced Audio Coding (AAC-LC)
MPEG-4 HE-AAC (with Parametric Stereo)
Data rate: 8 to 384 kbps

Supported Standards

ISMA Profile 0
3GPP version 5 and 6, singlerate and multirate
3GPP2

Advanced Processing

Prefiltering

Video Adjustments (brightness, contrast)
Frame Resizing
Frame Subsampling
SNMP Monitoring
Noise Filtering
Inverse Telecine/Deinterlacing
Cropping

Codec

Scene change detection with adaptive GOP
Various Aspect Ratio handling
Double-pass encoding

Advanced Features

Optimized for multiprocessor platforms
Fast / High quality encoding modes
Metadata insertion
Batch mode / Preview mode
Encoding / Filtering preview panes
Command-line
Presets and advanced configurations
3GPPv6 multirate output format (offline mode)

Control

Local

Windows GUI
Pre-programmable setups

Remote

SNMP monitoring

Supported Operating Systems

Microsoft Windows Server 2003
Microsoft XP Pro

Recommended Hardware

PC: Intel Pentium 4, 256 MB RAM

** with appropriate decoder plug-in*

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