envivio.
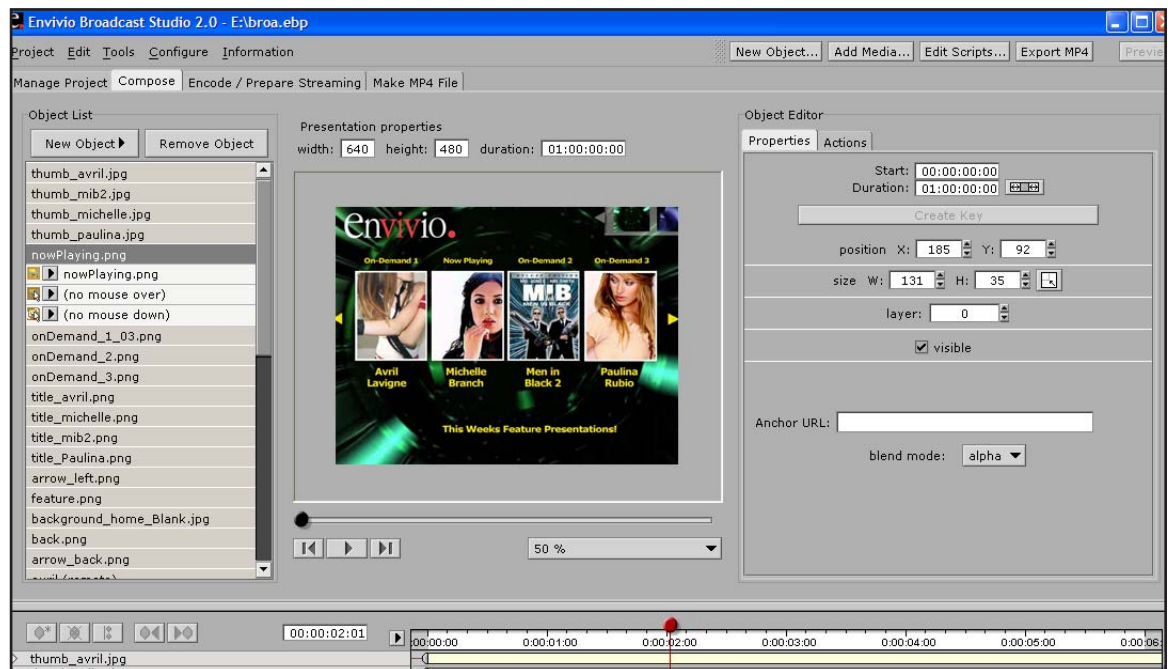
4Mation™
MPEG-4 Authoring Software
for Interactive Content and Applications

- **Create true interactivity for television and web**

- **Easy-to-use interface maximizes productivity**

- **Advanced scripting offers maximum flexibility**

- **Integrated MPEG-4 encoding for broadcast quality programming**

Envivio 4Mation™ software is a professional MPEG-4 authoring tool for developing interactive content and applications. It enables designers to manage the entire authoring process as they import, create, edit, preview, and encode scenes.

Features

- Import media in a familiar, object-oriented composition environment
- Control object and media timelines
- Synchronize graphics, interactive events, and animations with audio and video
- Create project templates

Benefits

- Familiar composition environment maximizes productivity
- Optimized BIFS encoder, using advanced compression, provides an average 20:1 compression over SML or text-based scene description formats such as SMIL, VRML, and HTML
- Transmission management ensures that mixed media transmission is optimized over time, enabling the best playback quality
- Dynamic bandwidth allocation to optimize mixed media presentations

Applications

- Corporate webcasts
- Web-based marketing
- EPG development

Workflow Control and Ease-of-Use

Composition

- Work in a familiar, object-oriented environment
- Construct scene using rich media, including MPEG-4 video
- Use timelines to synchronize objects
- Keyframe animation
- GUI components such as buttons
- Scriptwriting
- Library of predefined actions

Encoding

- Automatically compute optimal encoding parameters
- Set and save parameters as named presets
- Hint files for streaming
- Complete bit rate control

Exporting and Previewing

- Click button to export MP4 file
- Preview window to view presentation

Project Management

- Create and save projects
- Work with existing projects
- Copy projects
- Template creation

Technical Specifications

Import Media

- *Video:* AVI (DV, 24 bits), MOV, MPEG-4
- *Audio:* AIFC, AIFF, AU, uncompressed PCM, MP3, and WAV
- *2D graphics and images:* BMP, FlashPix, GIF, JFIF/JPEG, MacPaint PNTG, PNG, QuickDraw, Targa, TIFF, animated GIF, Macromedia Flash text and graphics, TIFF fax

Outputs

- MPEG-4 file, ISMA compliant, hinted for streaming

Codecs

- *Video*: MPEG-4 Advanced Simple Profile (ASP) Levels 0-5
- *Audio:* MPEG-4 AAC
- *Texture:* MPEG-4 texture encoder, JPEG encoder
- *BIFS:* Scene description
- *Resolutions:* QCIF (176 x 144 pixels) to CCIR-601 (720 x 480/576 pixels) in 2 pixel horizontal increments
- *Data rate:* 20 kbps to 40 Mbps

System Requirements

- Windows® 2000 or XP, Professional Edition
- 1.7 GHz Pentium® 4 equivalent or greater
- 512 MB RAM
- Graphics card with 16-bit color and capable of 1024 x 768 resolution
- Ethernet card
- QuickTime® 6.0, Acrobat Reader 5, and the Java Runtime Environment, version 1.4, are shipped with Envivio 4Mation

**For more information, visit:
www.envivio.com**