

## Selected Credits:

- » The Aviator
- » Battlestar Galactica
- » Bedtime Stories
- » Caprica
- » Casino Royale
- » Changeling
- » Curious Case of Benjamin Button
- » The Day the Earth Stood Still
- » Fast & Furious
- » The Final Destination 3D
- » Fringe
- » G-Force
- » Gran Torino
- » Hannah Montana 3D
- » John Adams
- » King Kong
- » Leverage
- » Lost
- » Magnificent Desolation 3D
- » Master and Commander
- » Memoirs of a Geisha
- » My Bloody Valentine 3D
- » National Treasure 1 & 2
- » Pan's Labyrinth
- » Pirates of the Caribbean 2 & 3
- » The Proposal
- » The Sarah Connor Chronicles
- » Shutter Island
- » Spiderman 3
- » Surrogates
- » Taking of Pelham 123
- » Terminator Salvation
- » There Will Be Blood
- » Transformers 1 & 2
- » Tropic Thunder
- » Wanted

## Included Exporters:

- » 3ds max
- » AfterEffects
- » Animation:Master
- » Bentley Microstation
- » Blender
- » Carrara
- » Cinema 4D
- » Combustion
- » Fusion
- » Electric Image
- » Flame
- » Houdini
- » Inferno
- » Lightwave
- » Maya
- » Mistika
- » Motion (2D)
- » Nuke
- » Particle Illusion
- » Poser
- » Realsoft 3D
- » Shake
- » Silhouette Roto (2D)
- » Softimage XSI
- » trueSpace
- » VIZ
- » Vue 5/6 Infinite

Can export to other software via user-written or -modified scripts. Features vary with export target. Generic exporters also included.

## System Requirements:

Windows XP/Vista, Mac OS X 10.4/10.5 Universal. Native 64-bit XP/Vista and native 64-bit OS X versions. See website for full details. Can be run on Linux using WINE.

## Image Formats:

AVI, BMP, Cineon, DPX, EXR, JPEG, MOV, MPEG, PNG, SGI, Targa, TIFF.

## Pricing:

**SynthEyes 2008+1, 32-bit** .....\$399  
**64-bit version for Windows**..... \$499  
**64-bit version for OS X**.....\$599

## Upgrade Pricing:

**from 2007 & 2007** ..... \$125  
**from 2006/2004** ..... \$175

Volume and educational-institution discounts. Free demo. All prices US\$. SynthEyes 2008+1 available now.

Andersson Technologies LLC

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# Match-Moving Stabilization 3D Movies



# SynthEyes

SynthEyes™ is a high performance 3-D tracking, stabilization, and motion-capture application with a wealth of features at an affordable price.

Win/Win64

Mac/64-bit Mac

## Typical Applications:

- » Animated Character Insertion
- » Virtual Set Extensions
- » Fixing Shaky Shots
- » 3-D Stereo Film-Making
- » Architectural Previews
- » Face & Body Motion Capture
- » Product Placement in Post-Production
- » Talking Animals

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## Key Advantages

- » High performance for tight deadlines
- » Built-in, directable, stabilization
- » 3-D Stereo workflow processing
- » Tools to solve the toughest tracking problems
- » No resolution limits (SD, HD, IMAX™)
- » Handles shots with 1000s of frames
- » Broad set of exporters included
- » 64-bit version available for Mac and PC

## Focus: 3D Stereo Movies

3-D stereo movies are back, and SynthEyes is here to help! Use the image preprocessor to geometrically match footage from the two cameras, correcting mis-aiming, rotation, and zoom mismatches without causing keystoning, and remove lens distortion and mirroring. The auto-tracker will automatically link trackers between the two shots. Then solve, using the camera/camera constraints to eliminate chatter between the cameras. Each of the six relative axes, including inter-ocular distance and vergence, can be As-Is, Known, Fixed, or Varying. Animated lock controls permit fine control, and SynthEyes's advanced "hold" constraints excel on shots with both stationary and varying inter-ocular or vergence portions. Put your workflow together using SynthEyes scripting!

## Focus: Image Stabilization

SynthEyes features an advanced image stabilization system. While traditional stabilization pegs a few features in place, SynthEyes can use many points, 3-D tracking results, Lanczos resampling, and 3-D keystone correction for the highest quality stabilization. SynthEyes handles orbiting or traveling shots. New motions and shot framing can be created, or large bumps worked around.

## Feature Highlights

- » Automatic, supervised, or mixed tracking
- » Powerful image stabilizer
- » 3-D Stereo Tracking & Solving
- » Facial and body motion capture
- » Single-frame perspective matching
- » Optimized for multi-core and SSE2
- » Extensive new graph editor
- » Handles specialized shot types:
  - » Multiple cameras and moving objects
  - » Tripod (nodal) tracking, including stereo tripod
  - » Mixed tripod and translating
  - » Reference-mesh-based tracking
  - » Zooming lenses
  - » Lens distortion
  - » Green-screen
- » Flexible image pre-processor
  - » Integrated stabilization & undistortion
  - » Floating point, half-float, 16-bit, and 8-bit per channel processing
  - » 3-D Color LUTs
  - » Arbitrary lens distortion model presets
  - » High-pass filtering for varying lighting
  - » Lanczos image resampling
  - » Helps optimize RAM usage
  - » Fast multi-threaded prefetch
  - » Regular or batch image writing
- » Multiple alignment methods
  - » Simple 3-click wizard
  - » Flexible tracker constraints
  - » Hard & soft path/FOV locking
  - » Camera-based coordinate systems
  - » Line-based matching/alignment for nodal tripod and lock-off shots
- » After the solve...
  - » Rapidly refine for additional solves
  - » Tracker clean-up wizard
  - » Quickly add more trackers
  - » Coalesce nearby trackers
  - » Assemble trackers into meshes
  - » Find lights from shadows/reflections
  - » Anti-aliased preview movies
  - » Depth-map output
- » RAM playback with safe areas
- » Sizzle scripting for imports, tools, exports

## A Few of Our Customers

Sixth year in the market, with customers in over 60 countries.

- » Amalgamated Pixels
- » The Ant Farm
- » Asylum Visual Effects
- » Bad Robot
- » Blue Room NYC
- » BSG75 VFX
- » CafeFX
- » CBS
- » Comcast SportsNet
- » Digiscope
- » Digital Backlot
- » Digital Dimension
- » Discovery Channel
- » Disney
- » Framestore
- » Focus360
- » Fox Digital
- » FUEL
- » Giant Killer Robots
- » Hammerhead
- » HimAnI Productions
- » Hybride
- » IMAX
- » Matte World Digital
- » MTV Networks
- » NBC
- » Pacific Title
- » Peerless Camera Company
- » Pixel Playground, Inc.
- » Prime Focus World
- » PRP VFX
- » Rhythm & Hues
- » RSK Orbital
- » Sassoon Film Design
- » SBS Broadcasting
- » Screaming Death Monkey
- » Spin Productions
- » Ubisoft
- » X1FX
- » Zoic Studios

## Focus: Green-Screen Tracking

Some productions have hundreds of blue- and green-screen shots requiring virtual sets. Previously, such shots required time-consuming setup work to prevent moving actors from being tracked. SynthEyes can pick tracking marks exclusively from the blue- or green-screen area. Then, the Coalesce Trackers feature finds and combines trackers on the same image feature, producing a single tracker despite occlusions by the actor(s) during the shot. This is not only more convenient, but produces more accuracy.