

For Sport & Exercise Science

- Strength & Conditioning
- Coaching
- Athletic Training
- Rehabilitation
- Physical Education
- Exercise Physiology
- Kinesiology
- Biomechanics
- Physical Therapy
- Dance and Theatre



COMMUNICATE IN THE FIELD



Enhance motion analysis skills for improved performance in athletics and rehabilitation

- > Students work with coaches/athletes using instant visual feedback for improved performance
- > Students work with fitness trainers to help clients develop proper techniques for workout programs
- > Students coordinate with healthcare professionals to develop appropriate and accurate rehabilitation techniques

ANALYZE IN THE LAB



Capture, visualize and measure human performance for optimal performance

- > Analyze movement step-by-step
- > Demonstrate key movement techniques
- > Track and retrieve data with ease
- > Measure angles, speed, trajectory
- > Fuse data from other systems
- > Develop a best practices video clip library

SHARE IN THE CLASSROOM



Bridge the gap between perception and reality, sharing difficult biomechanical concepts visually

- > Students create visual, written, graphic and oral presentations showcasing their motion analysis skills
- > Students learn to use digital video analysis technology for future careers
- > Instructors create multi-media motion analysis instruction with clarity and visual impact
- > Instructors evaluate students with a viable, interesting, and virtual assessment tool

BENEFITS

- > Give your students a career edge with hands-on experience in digital **video technology**
- > Increase student **learning power** and **involvement** using the best educational practices
- > Assess your students accurately, effectively and in a **timely manner**
- > Integrate the latest techniques in **notational technical analysis**
- > Create **cutting-edge motion analysis** projects and presentations
- > Use **consumer grade equipment** - computers, laptops and DV cameras
- > Provide experiences to **prepare students for certifications** as Health and Fitness Instructors, Sports Medicine Specialists, Certified Personal Trainers, Certified Strength and Conditioning Specialists and Certified Athletic Trainers
- > **Research using dynamically measured data analysis** of velocity, distance, angles, and range of motion

System Requirements

- > PC or Laptop, Windows 2000 or XP
- > Pentium Processor (PIII, P4, Centrino) over 1 GHz, Athlon XP, Celeron 2, AMD
- > Memory RAM min. 256 MB, advised 512 MB
- > Graphic card with 16 MB (min. 1024 x 769)
- > Firewire port (IEEE 1394) to connect the DV Camcorder
- > Parallel or USB port for software protection dongle
- > Mini DV Camcorder or analog camera with converter (>MPEG-2 or firewire)

Contact Dartfish

If you would like to know more about Dartfish products, send us an e-mail to usa@dartfish.com, visit www.dartfish.com/contact or contact your closest Dartfish representative by calling 1-888-655-3850.

FUNCTION OVERVIEW

Use during sessions



- > Connect with either 1 or 2 video cameras
- > See instant on-screen display
- > Make direct comparisons with a reference video during the session
- > Operate the software by remote control
- > Use drawing tools even in full-screen mode

Actuate various advanced analysis tools



- > Draw "freehand", adding lines and curves straight to the video
- > Add commentaries, titles and notes
- > Magnify areas of interest
- > Track movements and measure angles and distances

Individualize your observation criteria



- > Benefit from the latest techniques of notational analysis to tally the performance of a game, a rehabilitation program or a designated human performance

Export to the media format of your choice



- > Export your videos and multimedia files to CDs and e-mail
- > Freely personalize CDs with your logo, address or other features
- > Allow your students/patients to view the CDs and multimedia files with no need for additional software

Create multimedia files of a video analysis



- > Compose multimedia files integrating video, key still positions, drawings, audio commentaries and text for analysis of a particular movement

