REALVIZ: Computer-Vision for professional content creators

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Demo program:

REALVIZ will demonstrate the latest versions of its product portfolio, including a few features that are not in the commercial versions of the products yet and that we will unveil for the Computer Vision community. The main demo focus will be on MatchMoverPro and its latest technological features:
- Independent, automatic tracking of scene and multiple objects
- 3D-model-based object tracking
- Time-dependent constraints on camera and/or 3D parameters
- Motion capture.

Depending on people requests, we will be able to show Retimer, Stitcher, Stitcher EZ and ImageModeler as well.

See more details on REALVIZ and REALVIZ products in the appendix below.

Equipment:

Demos will be run on a laptop, an additional screen, and potentially a video projector provided by REALVIZ, depending on the demo space configuration.

Size of space needed for demonstration:

Minimum space is needed (basically a table and a few chairs). Possibility to project onto a wall or a wider screen would be appreciated for the audience comfort.

Special needs:

None

APPENDIX: REALVIZ : the company and its products

REALVIZ® MISSION

REALVIZ® is the leader in image-based creation software for professionals   and amateurs alike in film, broadcasting, gaming, digital imaging, architecture, Internet and CAD. Derived from years of research in Computer Vision at the famous INRIA Lab in France, the company's software applications (Stitcher®, Stitcher® EZ, ImageModeler®, SceneWe@ver®, MatchMover Professional®, ReTimer® Professional & ReTimer® SD/HD) enable 2D, as well as 3D artists, to easily and cost-effectively tackle complex digital imaging projects.
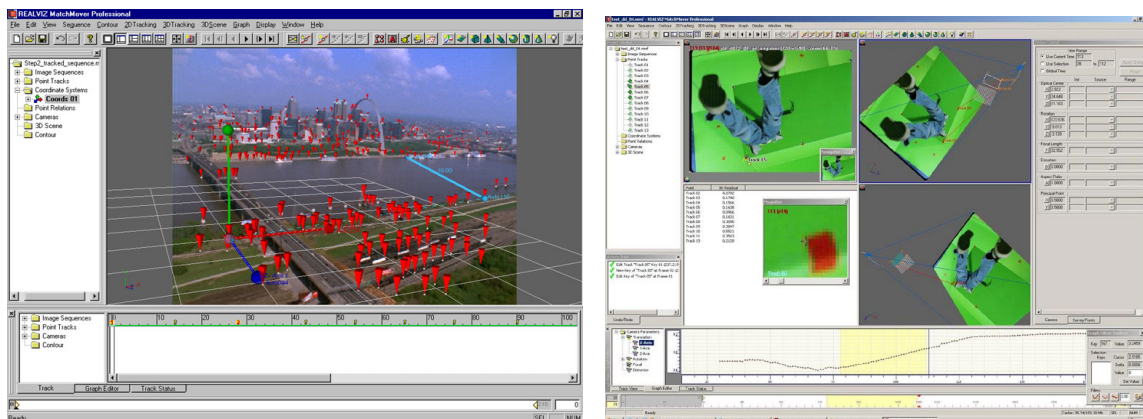
COMPANY HISTORY

REALVIZ is a privately-held company which was founded in early 1998, with   the goal of commercializing products based on over ten years of computer vision and robotics research by INRIA, the French National Institute for Research in Computer Science and Control. The company founders are former research scientists from INRIA Sophia-Antipolis, and former executives from Medialab, a subsidiary of the French TV channel 'Canal +'. REALVIZ is headquartered in Sophia Antipolis, France with US operations in San Francisco, CA and a satellite sales office in London.

REALVIZ award-winning products are in use by leading production and effects houses, web design, game development and architectural companies worldwide including Cinesite, Framestore, Sony Imageworks, Warner Brothers Animation, Electronic Arts & Buf Compagnie amongst many others. REALVIZ' applications have been used for incredible effects in various film and television projects, including, the Steven Spielberg/Tom Cruise movie, "Minority Report", which was recently named as one of the 7 films being considered for Achievement in Visual Effects for the 75th Academy Awards, as well as the lavish Hallmark Entertainment miniseries, "Dinotopia", and big-screen blockbusters such as the latest James Bond outing, "Die Another Day", "Harry Potter", "Hart's War", "Swordfish", "Captain Corelli's Mandolin", "Enemy At The Gates", "Driven", and "Daredevil". REALViZ is now expanding its business in the fast growing digital imaging and architecture visualization markets.
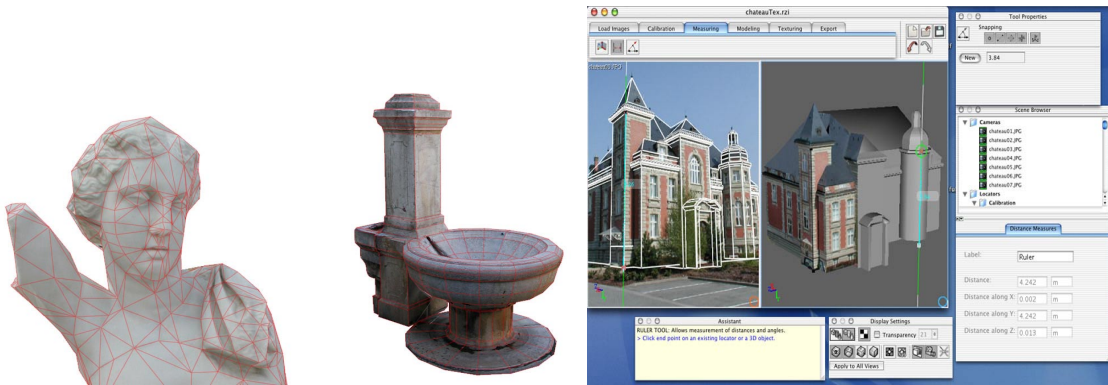
PRODUCT DESCRIPTIONS:

REALVIZ MatchMover® Professional: is the professional way to automatically track 3D camera data and motion from videos and film sequences, whilst offering users the ability to move smoothly back and forth between Automatic and Manual processes, with no interruption of workflow, providing the ease of automatic tracking, with the precision control matchmoving professionals demand.

REALVIZ Stitcher® & Stitcher® EZ: the way to build panoramas for the web, film, print, and 3D. With advanced features in panorama construction and production workflow, Stitcher gives photographers and artists the power to deliver the most impressive panoramas in the formats they need. Stitcher EZ now offers photographers of all levels, regardless of previous experience, an intuitive and speedy solution for the creation of high-quality panoramas, producing stunning results on a standard personal printer, as well as for the enrichment of web pages and virtual tours.

REALVIZ ImageModeler®: ImageModeler is the way to create 3D models using photographs that are accurate and highly realistic. ImageModeler revolutionizes 3D model creation with a unique workflow for 3D and non-3D artists that creates impressive results and delivers them to your favorite 3D animation software and the Internet

REALVIZ ReTimer® Professional & ReTimer® SD/HD: ReTimer Professional enables users to speed up or slow down image sequences in post-production, automatically creating highly accurate "in-between" frames to increase the length of a sequence, and includes extensive manual controls for fine-tuning pixels within a frame. ReTimer SD and ReTimer HD operate as plug-ins for After Effects®, or any other application supporting After Effects plug-ins. ReTimer SD is dedicated to artists working on Standard Definition resolution, and is able to process any image up to PAL or NTSC resolution, whilst ReTimer HD is not limited to any specific resolution.

REALVIZ SceneWe@ver®: is the way to integrate 2D/3D objects into simple, cylindrical or spherical images, and will enable you to add a new dimension to your multimedia projects.

For more information on REALVIZ please visit: www.realviz.com