

20 YEARS
AUDIOVISUAL
ENGINEERING

STUDIOtech

MASTERING
VIDEOGRAPHIC SOLUTIONS
AT ITS BEST!



- **ADVICE**
- **DESIGN**
- **TRAINING**
- **INSTALLATION**
- **AFTER-SALES**
- **MAINTENANCE**

CHANNEL BRANDING

NEWS

SPORTS

WEATHER

ELECTIONS

CHARACTER GENERATOR

VIRTUAL STUDIO

SOLUTIONS

Sophisticated, Real Time Branding

With Studiotech's channel branding solution, graphic templates are created once and are populated during production with real time information, images and video clips, eliminating the need to create countless versions of the same graphic element with different content.

Combined 3D Graphics, Video Clips and More

Studiotech's character generator solution combines 3D graphics, video clips playback, integration of live video sources and embedded audio in one.

Election Graphics and Productions

Studiotech's election solution offers unique, state of the art, graphic representation tools coupled with smart data management.

Enterprise News Solution

Studiotech's enterprise news solution provides for all different departments in a TV station.

Comprehensive Sports Solutions

Studiotech provides a complete tool kit to address the different aspects of live sports events. Studiotech's sports solutions are used on a daily basis by some of the most prominent broadcasters worldwide.

Powerful and Innovative 3D Weather Forecast

Studiotech's solution enables the intuitive creation of realistic and captivating real-time 2D and 3D representation of weather forecasts from large databases of weather data.



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STUDIOTECH OFFICES

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- Rabat

PRODUCTS

ON AIR GRAPHICS**HD/SD Authoring Software**

This Studiotech application enables content creators to produce graphics from simple lower thirds and charts to interactive graphics and complex virtual studios. It offers a user friendly authoring interface, extensive animation and data handling capabilities, Windows preview with 4:3 / 16:9 work areas, Stereo3D support and more.

Channel Branding

Channel Branding provides a perfect solution for any type of channel branding and complex studio graphics productions. With this solution, the operator selects the relevant graphic and populates it with data, previews it on his local PC and then publishes it to the automation or traffic system by dragging and dropping the selected combination.

Real time Weather Forecast

This solution enables the creation of realistic and captivating real-time 2D and 3D representation of weather forecasts. Weather data can be presented on 2D and 3D maps in real-time. Real-time fly-by graphics, which allows a virtual camera to fly over 3D terrains add substantially to the weather show.

Managing cueing and rendering

This Studiotech solution manages efficiently the rendering and cueing tasks for Adobe®'s After Effect® compositing application.

With Studiotech's solution, operators can easily convert an After Effect® project into a template that will enable the user to control the project and send other parameters such as the show's title, air date, time, and all other prevalent information into the After Effects® project.

Complete Graphic Suite

Studiotech's complete on air graphics suite provides a solution for any real-time and post production graphic need. It offers an advanced graphic asset management system, a solid playout interface and integration with commonly used newsrooms, NLE, automation and traffic systems.

Cost Effective 3D Character Generator

Studiotech's product is a powerful 3D Character Generator with a user oriented authoring and playout interface. It features 2 live video insertions, video clips playback, retrieves data from external data source, and renders graphics to video files to be used in post production environments.

Rendering and Displaying of Real Time Stereo Graphics

With this stereo graphics application, the broadcaster has full control over the depth dimension of the graphics and the key stereo parameters can be adjusted in real time. This product can use existing 3D graphics, comes with two linear keyers, maintains existing workflow and allows for stereo preview.

Quick and up to date maps visualization

Studiotech's solution is an intuitive, up to date, maps visualization tool with access to Microsoft's 'Bing' and comes with easy to use editing and compositing capabilities enabling the user to add text explanation, icons and images, change the maps and labeled locations, and zoom in to street level resolution, all using a sophisticated time line. mple, one man operation.

RENDERING PLATFORM**Powerful Real Time Rendering Platform**

This Studiotech product provides full HD/SD capabilities, up to 12 video inputs in SD or 6 in HD hot swappable power supply, Raid based storage for video clips playbacks in different formats, mechanical and software bypass, and embedded audio support.

STUDIO**Interactive Broadcast Graphics**

This enables television presenters to control the content and flow of the production from their touch screens. Interact supports single, dual and multi touch displays from a variety of manufacturers.

Simple mount-free camera tracking

Based on proprietary algorithms, the camera's position, orientation and field of view are extracted from the video signal itself, eliminating the need for tracking equipment to be mounted on the camera.

4K Resolution Graphics on Video Displays

Studiotech's product provides 4K resolution graphic content for video walls from a single box. Broadcasters can zoom in on the video wall without the graphic content becoming pixelated. All elements remain synchronized across the video wall.

Turnkey Virtual Studio

This solution includes an extensive shader and particles package, and relies on Studiotech's reliable and redundant HDVG video graphic platform. This product integrates with all types of tracking methods available on the market today, providing maximum photorealism.

Augmented Reality with Virtual Graphics

Studiotech's solution integrates 3D virtual objects and animations to any location, including conventional studios and outdoor productions. Regardless of the camera movement, the virtual object remains tied to its position as if it were a real object.

Infrared tracking for free camera movement

Based on infrared tracking, Studiotech's solution offers free movement within the studio including dolly, crane and handheld, providing a perfect solution for dynamic and sophisticated virtual studio productions.

SPORTS**Virtual Football Enhancement**

Studiotech's solution converts key events from video to a 3D graphic model in HD quality that can be viewed from any angle. With this product one can view the event from the eyes of the goalkeeper or the referee; get a tactical top view; and mark players, draw trajectories, and measure distances.

Full motion virtual advertising

Based on revolutionary patented image analysis camera tracking technology, Studiotech's solution allows real-time insertion of full motion virtual advertisement on any kind of sport, from the venue or from the studio, without camera sensors.

Enhancements for Sports Events

Studiotech's solution provides captivating visual tools for creating unique content to better visualize critical plays and the flow of the game. With its full graphic authoring tool, broadcasters can create their own unique look and feel, or choose from Studiotech's advanced graphical enhancement features.

HD/SD Slow Motion Server

Studiotech's Slow Motion Server provides high quality synchronized replay and smart editing tools for game highlights. With its 8 channels, super slow motion support, huge ingest capacity, and compact 3U chassis, Studiotech's Slow Motion will reduce the production cost without any compromises.

Sensor-free Football Enhancements

Studiotech uses revolutionarily tracking technology to superimpose virtual graphics over the playing field. The overlaid graphics remain tied to their exact position regardless of camera motion. This product provides perfect results regardless of venue, camera positions and angles, and weather conditions.

Sensor-free Enhancements

Studiotech's solution can draw virtual first down lines, scrimmage lines, down and distance feathers, Red Zone statistics, and more. The revolutionary image processing requires only minimal setup and calibration time, and is a compact, simple, one man operation.



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