DELTA-stadium

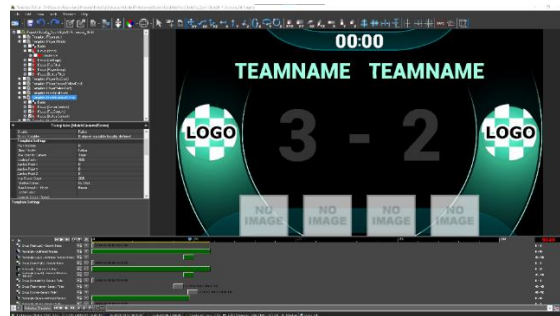## LIVE GRAPHICS PLATFORM FOR STADIUM AND ARENA DISPLAYS

DELTA-stadium is DELTACAST solution for stadium, arenas tenants and sport clubs that elevates the in-stadium experience. DELTA-stadium is designed to create fan engagement and a vibrant culture around the game in the stadium by triggering audio visual effects for main match events and manage stadium screens with real-time high-end 2D and 3D sports graphics. DELTA-stadium allows to drive stadium revenues and generate new opportunities for sponsors.

TURNKEY SOLUTION

DELTA-stadium is a turnkey solution from the software to the hardware. The combination of its intuitive user interface and its state-of-the-art graphic engine offer unparalleled flexibility and quality for live production.   Associated with its real-time graphic template Editor, you've the creative freedom to design advanced graphical projects and import them seamlessly in DELTA-stadium even while on air.

DELTA-cg Engine

Template Editor

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KEY FEATURES

Core engine
- Sport dedicated control interface "live panel" (soccer, basket-ball, Ice Hockey or Rugby)
- Real-Time 2D/3D graphics generation
- Manual or automated playlist control
- Real-time rendering engine
- Unlimited simultaneous layers on air
- Separated design editor and operation interfaces
- Customizable live operation interface
- Custom variables per element layers
- On the fly template look & feel refresh during operation
- Timeline management
- Template management for project
- Native Newtek™ NDI® support
- Up to 8K support per MediaRenderer
- Scalable with support of infinite MediaRenderer
- Fully redundant

Control
- Customizable LaunchPad (including multi playlist action control)
- Native touch screen support
- REST API for content control and remote operation
- Stream Deck® external control
- P.I. Engineering - XKeys support for launch pad
- Project & template scripting
- DMX, MIDI and GPIO interface (using Trigger Manager optional interface)

Graphic capabilities (Template Editor)
- Independent element's layer animations
- Multimedia player (audio & video)
- PNG, BMP, JPG, PNG, TGA and all DirectX compatible format
- Common professional video file formats including MOV 32-bits video (*)
- Main titles, Lower thirds, Motion bugs, Crawlers / Ticker, Shape, Clocks
- Sequences and loops

Outputs
- ScreenMatrix for perimeter LED management
- Warping for non-rectangular displays management
- Unlimited output
- Up to 8K or 4x 4K GPU output (per media renderer)
- Up to 2x4K SDI output (per media renderer)
- GPU Output (option)
- NDI Output (option)
- SDI Output (Option)

Inputs
- Live Video Inputs for Kiss Cam and other camera feeds,
- NDI
- SDI (Option, require specific I/O board)
- HDMI (Option, require specific I/O board)

Show control
- Pre and Post game show control (via Trigger Manager optional interface)
- Led lightning control (DMX interface)
- Sound effect control (MIDI interface)
- Universal controle interface (GPIO).

Dynamic & external data
- Scoreboards
  - Scoreboard OCR to XML application (option)
  - Scorecasts Sportzcast support (option)
- Social media
  - Generic social media connector
  - Connection to social wall (option)
  - XML dynamic data interface

DELTA-stadium is available as software only or as a complete turnkey solution including hardware and services.

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SYSTEM REQUIREMENTS

- Operating System: Windows 10 64-bit operating system, x64-based processor - Processor: Intel(R) Core(TM) i7-7700HQ CPU @ 2.80GHz 2.81 GHz; - RAM: 32GB or higher; - Graphics board: NVidia GeForce GTX 1070 or RTX 3060 with up-to-date NVidia official drivers; - Hard disk space: 2GB of available hard-disk space for installation; additional free space required during installation. - -	DELTA-stadium is composed* of: - DELTA-cg Engine - Template Editor - ScreenMatrix - Sport interface - License Manager

*depends on your version of DELTA-stadium. Please consult DELTACAST.

FAQ

Why should you limit yourself to a few layers and graphics per production?

DELTA-stadium and its DELTA-CG graphic engine does not limit you to the number of graphic elements you want to add to your production.

Why not having the freedom to change your ideas at the last minute?

DELTA-stadium and its Template Editor allows real-time editing to always get the best versions of your graphics chart on air.

Do you want to integrate an input stream into your DELTA-stadium?

DELTA-stadium integrates NDI or SDI (optional) input support allowing the integration of external streams into your graphic compositions. And with its integrated ChromaKey, you have a ton of use case to choose from…

Do you want to keep control with your fingertips?

With its launch pad, StreamDeck and XKeys support, DELTA-stadium offers you the possibility to trigger one or more actions on multiple playlists. This guarantees you a secure and direct control of all actions repeated during your production.

Do you want to maximize the relevance of your graphical layers data?

DELTA-stadium integrates support for a wide variety of data files ensuring easy integration with your production team's data sources.

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