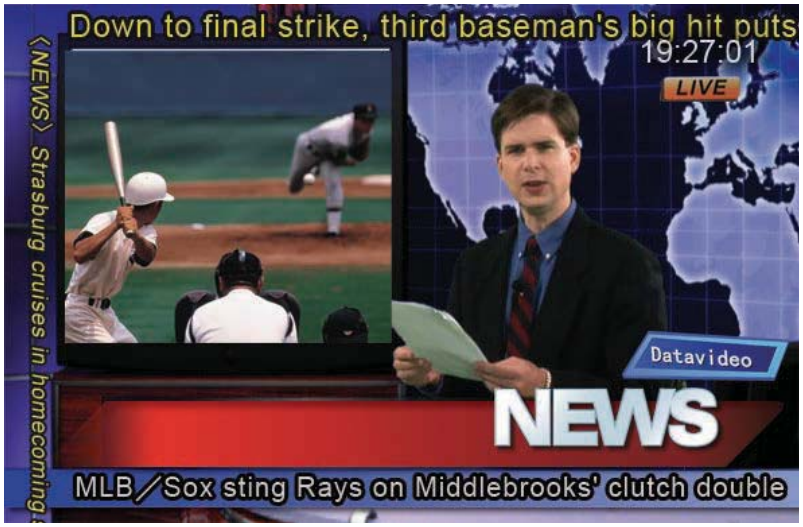
Adding CG to your live workflow

On-air graphics via a broadcast CG server can be responsive and powerful, yet are very costly.

Images and clips keyed from a switcher's built in clipstore or media player can create fantastic result but give the user limited ability to make textual changes while live on air.

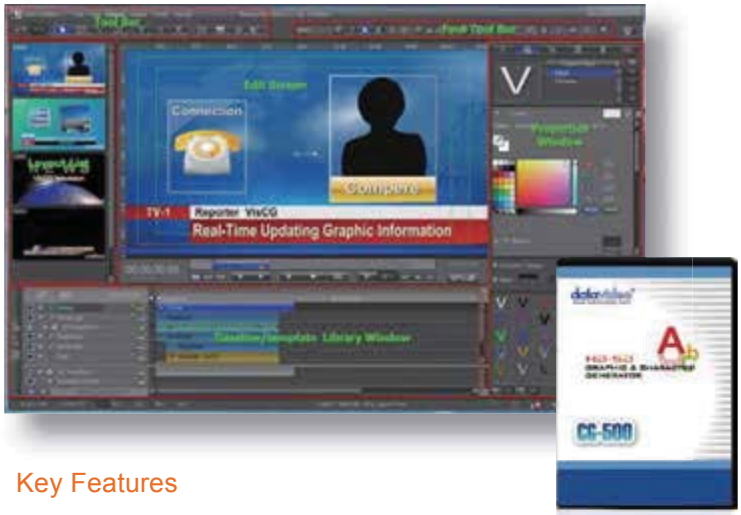
A live graphics feed from a PC into the switcher or playout station is an attractive, versatile and cost-effective solution.

Datavideo CG-500, CG-350 and CG-100 provide turnkey CG and graphic system based on a powerful desktop or rackmountable Windows PC platform. Pre-loaded with Datavideo CG system software and blackmagic SDI card, the system is ready to deliver live, multi-layer highly creative graphics and titles via HD/SD-SDI or HDMI interface.



HD/SD GRAPHIC & CHARACTER GENERATOR

CG-500



Key Features

- Suitable for live broadcasting with preview function
- High-quality render and GPU Effect, such as 3D page turn, shadow and depth
- Modify on the fly without interrupting the current playing
- Intuitive GUI and Flexible Play List Control, such as schedule play and hotkey control
- Real-time data update from CSV file, text file and ODBC...
- Compatible with various hardware and HD/SD formats

The Microsoft Windows™ based Datavideo CG-500 graphics, titling and character generator software is a powerful multi-layer, real-time solution for live programming and post production.

It is compatible with widely available professional video hardware and supports the flexible play-out of multiple playlists, even while titles are being created. CG-500 can be used by for SD or HD news, sports, weather forecasts and entertainment programming.

High-Quality Rendering with GPU Effects

Hundreds of key frame based GPU effects, such as Swirl, Explode and Linear Light, can be rendered in real-time. The software features innovative group and text playing by character, by line and by text, with full dynamic textures.

Compatible with Various Hardware and Format

CG-500 plays out graphics via professional video cards:

Model	SD Internal Key	SD External Key	HD Internal Key	HD External Key
BlackMagic Design				
DeckLink SDI	●			
DeckLink Studio	●	●		
DeckLink HD Extreme 3D	●	●	●	●

SYSTEM REQUIREMENTS

- Intel Core Duo 2.4 GHz
- Support Pixel/Vetex Shader Model 3.0 graphics cards, or above with 256MB graphics memory and 128 bit or above, NVIDIA cards with 96 or more stream processors and ATI cards with a minimum of 480 stream processors
- I GB system memory / 500 GB system hard disk
- 1280x800 screen resolution monitor, or higher.
- Windows XP Professional SP2

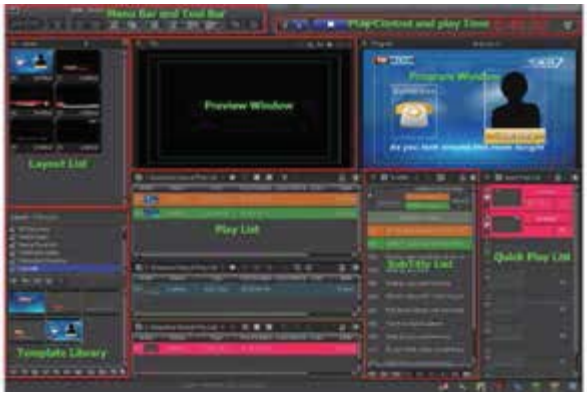
Templates

Graphics templates include Layout template, CG layout template, Animation template, Effect template, etc. Preset effects include Shader, Gradcolor and Texture.

CG effects

Player

The CG-500 Player is used to edit playing of title templates, subtitles, graphics and logos. Users have full control over play lists and play layouts. CG-500 Player consists of the Menu Bar and Tool Bar, Play Control and Play Time, Layout List, Template Library, 3 Play Lists, Subtitle List, Quick Play List, Preview Window and Program Window.



Powerful Editor

CG-500 Editor is used to create layouts. It consists of Tool Bar, Edit Screen, Timeline Window, Properties Window, Layout List