

Datavideo CG-350 Character Generator System for HD

Datavideo CG-350 is an extremely powerful titling system designed especially for the live broadcast and video post production environment. It comes with a very flexible, easy to use, Title Compose program for creating high quality title pages. Once the title pages have been composed, they can be displayed automatically or completely under Manual Control.

A display list can be created ahead of time to make on air usage a simple, one keystroke operation, or you can randomly select the title pages while on air. Even with a display list, you still maintain the flexibility for those last minute changes.

CG-350 can also be used to display standard format graphic images as well as text animation sequences. Text animations sequences are created by the title composer using the text FX features. Title pages, graphic images and text animation sequences can be freely intermixed with one another in any order.

Title pages can contain Text, background colour boxes, geometric shapes, full colour graphic images as logos, and either a background graphic or background video.

CG-350 is a fully features Windows-based program that uses the Unicode character set thus it is capable of generating titles in English, Hindi or any desired languages supported by Microsoft Windows such as Urdu, Kashmiri, Sindhi, Punjabi (Gurumukhi), Gujarati, Marathi, Oriya, Bengali, Assamese, Tamil, Telgu, Malayalam, Kannada and Sanskriti etc.

The text is created using truetype typefaces and can be sized, kerned, rotated, and italicized. Each character can have up to two edges and three shadows. The character's edges and shadows can be colorized with a solid colour, a vertical colour spread, a colour gradient (4pt, 5pt, or linear), or textures.





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Background colour boxes can be created any size and position on the screen. They can be set with all of the same colour options as characters; they can even be made semi-transparent.

Geometric shapes can be created at any size and position on the screen. The roundness of the shape can be controlled and the shape can be made square, completely round (as a circle or ellipse), or anywhere in between. Shapes can be sized, rotated, italicized, edged, and set just like a character.

Standard graphic format graphics can be loaded as either full-colour logos or as a background image. When they are loaded as logos, they can be sized and positioned anywhere on the screen.

Datavideo CG-350 system features with Blackmagic Decklink HD Extreme 3D Graphic Card that provides HD/SD-SDI, HDMI and Analogue interface with Genlock thus titles, captions, logos, etc. can be mixed, dissolved, cut and keyed with any video switcher that supports external CG such as Datavideo SE-2000, SE-900 and SE-800.

Features and Specifications

- Compatible with either HD or SD
- Work on the fly or run programmed events
- Easy-to-master, window-based with cut and paste tools, drag and drop, customized templates, user-friendly interface
- Supports BMP, JPG, GIF, PCX, TIF and TGA image formats
- 16,777,216 colors with 256 levels of transparency (24-bit color with 8-bit alpha). Color adjustment through RGB or HLS levels.
- Advanced color gradients - create smooth gradients between any 2 colors in the characters, edges, shadows, and shapes.
- Textures - characters, edge, and shadows can be drawn with user-defined textures (marble, wood grain, etc). As many as 16 different textures can be used on each page.
- Shapes - up to 32 shapes per page. Each shape can be set to a solid color, semi-transparent color, a color gradient, or a texture. Shapes are controlled by ratio and roundness (i.e. 100% results in a circle while 0% results in a square, 25% is a square with round corners, etc.). The shapes can be edged, colored, sized, italicized, and rotated just like text characters.
- Logos - Up to 16 full-color logos can fine-positioned, overlapped, sized, etc. just like characters.



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- Supports single- or multi-line (up to 1000 lines) titling text on a single page. Multiple pages in one document.
- 1000 Layers - Text, logos, and shapes can be placed on multiple layers, each independent of the others. Layers can be named
- All character, edge, and shadow attributes are selectable character by character.
- User-defined Text Style Gallery - One button access to your 64 most used text styles.
- Typefaces - each page can use up to 25 different typefaces. CG-350 supports Truetype typefaces.
- Includes a Banner Crawl for continuously-rolling text crawls and Snyder, for displaying graphics and animations (a la station IDs or "coming up next" animations) over your program.
- Transition effects like cut, crawl, roll, wipe, etc. can be used on either text, logos and pages with cut and paste tools.
- Adjustable safe title markers can be displayed on composition window.
- Features analogue & digital clocks and language spell checker.
- Built-in downstream keyer
- Dual channel with HD, SD and key outputs.
- Full 10 bit HD/SD-SDI, HDMI and Analog Blackmagic Decklink HD Extreme 3D Graphic Card.

System configuration:

- MS Windows XP Professional SP3 or better
- 19" LCD display with anti-glare or equivalent
- Datavideo CG-350 CG software, dongle and driver installed
- Blackmagic Decklink HD Extreme 3D Card and driver installed
- Intel CORE 2 DUO or better
- RAM: 2GB DDR2 or better
- HDD: 250GB SATA or more
- DVD-RW drive