

CHARACTER GENERATOR

D³-CG

Live Broadcast Graphics Solution ...

The Dayang D³-CG product family empowers you with a technological breakthrough, providing the ideal solution for superior SD/HD real-time broadcast graphics. It has all the features that you need to create the optimal effects, and offers flexible creativity and affordable scalability-all in a single and dynamic standalone system.

Key Features

Comprehensive Integrated Functionality for Live Broadcast

Dayang D³-CG provides you with a complete graphics solution, including a character generator (CG), sequencer, FX key frame animation editor, media store database, optional multi-layer paint tool, and frame grab program. D³-CG also offers a range of functions to meet your broadcasting goals including real-time animation, a powerful media store, multiple-format clips, and features which enable elements to remain visible, and individually controlled, while messages and pages are being changed.

Exclusive Preview Mode Guarantees Security

D³-CG main and preview windows allow you to monitor and ensure optimum programmed effectiveness and interactivity. The PVM/PGM play mode allows users to edit the content of the standby template during play out. The separate preview window guarantees live broadcast security.

Infinite Layering with Strata Compositing

With D³-CG products, the number of layers per channel is unlimited and each layer can support stills, graphics, videos, text, and animations. Control of layers and objects is completely independent. The Multi-layering function allows you to build and control multiple layers of graphics. Strata compositing enables real-time compositing of multiple independently controllable and infinite virtual channels, into a single physical channel. You can insert and hide clocks, timers, still, or animated logos, bugs, channel IDs, lower thirds, scoreboards, over the shoulder graphics, and crawls with ease. It is also simple to adjust the scroll speed and to change contents and icons at any time. The dedicated logo player can support unlimited logos separately.

Dynamic 3D Animation

3D Pilot allows you ease of operation in completing the various types of three dimensional functions. It delivers unprecedented 3D animation, and empowers you to perform a match move process by importing 3D positioning which allows you to match the text or a logo to a 3D rendered carrier graphic. The drag-and-drop 3D modeling offers fast 3D objects creation. It also provides multiple adjustable parameters for 3D objects, including choice of materials, light effects and properties. Objects from third party plug-ins, like 3DS MAX, DirectX, FLC, FLI SWF, DYM and PBF file are fully supported.

Real-time Information Updates

The built-in 3D Figure Builder can easily update a 3D chart by updating source data, such as financial data, weather outlook sports results, and traffic information. Most 2D and 3D real-time effects include phantasm, fold, mosaic, distortion, soft movement, sphere distortion, cylinder distortion, explosion, overlay rotation and many more effects which can be expanded by upgrading the software.

Powerful Text Effects

There are more than 100 templates in the database to fulfill your needs. D³-CG offers you ease of operation in changing the face, edge, depth, shadow and style of any text in order to create unlimited custom looks and to support hundreds of effect include fire, blur, light, ghost and so on. Dayang D³-CG answers the concerns of Broadcasters who want to package a high volume of image, picture, and information, making it more enriching and colorful during live transmission.

D³-CG Family Member

Model No.	Product Name	Description
D³-CG Live 3D/HD Series		
D ³ -CGLIVE-3D/HD	3D HD Graphic animation production broadcast system	Based on Matrox X.mio5000/13 HD caption card, the second output supports HD/SD switch, be equipped with professional rear panel, supports all the HD field rate, and simultaneous broadcast for infinite-layer multitask.
D³-CG Live HD Accessories/Options		
OP-SW-CGSP	Sports Broadcast Plug-in	Be used for all kinds of live sports game broadcast
OP-SW-CGWR	Weather Forecast Plug-in	Be used for Weather Forecast production and broadcast
OP-SW-CGKA	Karaoke Production Plug-in	Professionally produces software module of Karaoke broadcast
OP-SW-CGHA	Handwriting animation Production	Be used for handwriting animation production
OP-SW-3DPilot	3D Plug-in	3DPilot professional plug-in realizes the production and play of all kinds of 3D objects
D³-CG Live HD Upgrades		
UP-PWR-RDPWR	The built-in power upgrades to be redundant power supply	460W 1+1 redundant power supply configuration
D³-CG Live 3D Series		
D ³ -CGLIVE-3D/DAR	3D Graphic animation production broadcast system (digital & analog)	Dayang RedBridge II KDA professional video board, Dual channel/Main preview channel switch, Digital/Analog video signal input, output, Digital/Analog key output

D ³ -CGLIVE-3D/DR	3D Graphic animation production broadcast system (digital only)	Dayang RedBridge II KDA professional video board, Dual channel/Main preview channel switch, Digital video signal input, output, Digital key output
D³-CG Live Accessories/Options		
OP-SW-CGSP	Sports Broadcast Plug-in	Be used for all kinds of live sports game broadcast
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D³-CGSD Upgrades		
UP-BOX-4UR	Chassis Upgrades	The chassis upgrades to be Dayang industrial case with professional rear panel
D³-CGSD-EXPRESS Series		
D ³ -CGSDE-DAR	Graphic animation production system (digital & analog)	Dayang RedBridge II KDA professional video board, Dual channel/Main preview channel switch, Digital/Analog video signal input, output, Digital/Analog key output
D ³ -CGSDE-DR	Graphic animation production system(digital only)	Dayang RedBridge II KDA professional video board, Dual channel/Main preview channel switch, Digital video signal input, output, Digital key output
D³-CGSD-EXPRESS Accessories/Options		
OP-SW-CGTP	Timer player plug-in	Be used for scheduled broadcasting of caption file
D³-CGSD-EXPRESS Upgrades		
UP-BOX-4UR	Chassis Upgrades	The chassis upgrades to be Dayang industrial case with professional rear panel

D³-CG Products Comparison

	D ³ -CGLIVE-3D/HD	D ³ -CGLIVE-3D/DAR D ³ -CGSDE-DAR	D ³ -CGLIVE-3D/DR D ³ -CGSDE-DR
I/O Interface	Input: 1x HD SDI (can support HD source REF) Output: 1x HD SDI; 1X HD/SD SDI; 1X HD SDI Key REF: 1x Analog REF input; 1x Analog REF output	Input: 1x 10bit SDI; 1x Composite; 1x Component; 1x YC Output: 1x SDI; 1x SDI Preview; 1x Composite; 1x Composite Preview; 1x Component; 1x YC; 1x SDI Key; 1x Composite Key Genlock: BB input; BB output	Input: 1x 10bit SDI Output: 1x SDI; 1x SDI Preview; 1x SDI Key Genlock: BB input; BB output
Physical Dimension	Depth: 650mm; Width: 430mm; Height: 176mm; Weight: 35kg		
Power Supply	550W/AC 110V-240V		
Video Bypass	Mechanical bypass for power failures Logical bypass for application failures		
Video Standard	SD: PAL; NTSC HD: 1920x1080i@59.94 f/s, 60 f/s and 50 f/s; 1280x720p@59.94 f/s, 60 f/s and 50 /s; 1920x1080PsF@23.967 f/s, 24 f/s, 25 f/s, 29.97 f/s and 30 f/s	SD: PAL; NTSC	SD: PAL; NTSC

Software Modules Comparison

Software Functions	D ³ -CGLIVE-3D/HD D ³ -CGLIVE-3D/DAR D ³ -CGLIVE-3D/DR	D ³ -CGSDE-DAR D ³ -CGSDE-DR
Timeline editing	Yes	No
List playout	Yes	Yes
Multilayer playout	Yes	No
LOGO playout interface	Unlimited	No
Scroll playout interface	Yes	No
Subtitle playout interface	Yes	Yes
Editing while playout	Yes	No
3D object	Yes	No
3D light effect	Yes	No
Support AVI, DYM, FLC file	Yes	No
Picture Modify	Yes	No
Filter	Yes	No