

Inscriber[®] G-Series[™] — The Single Source Solution for Real-time SD/HD Graphics

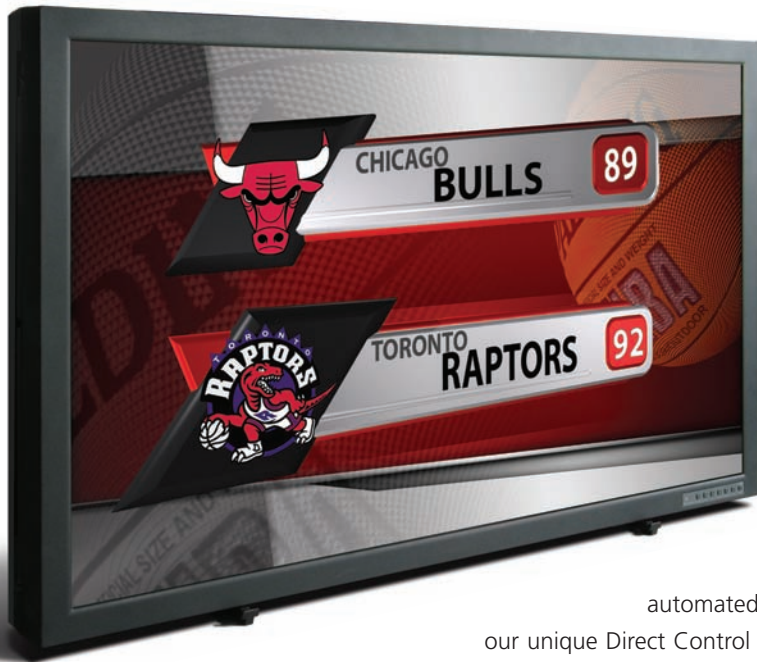


Inscriber[®] G-Series[™]

Inscriber® G-Series™

Single Source Graphics Solution

The Inscriber® G-Series™ product family introduces a technological breakthrough as the single source solution for superior SD/HD real-time broadcast graphics. Inscriber G-Series has everything you need to create the captivating on-air look you want – all in a single, powerful turnkey system. Designed to meet the demands of fast paced, live-to-air production including live news, sports, elections and entertainment, the Inscriber G-Series family provides unparalleled workflow optimization and integration, exceptional creative flexibility, affordable scalability and more.



Powerful Integrated Functionality

G-Scribe™ is the software that drives this commanding graphics solution. Consisting of a suite of design tools including a character generator (CG), sequencer, FX key frame animation editor, media store database, optional multi-layer paint tool, frame grab program and 3DFlyby™ module. G-Scribe enables a complete graphics solution.

Leveraging the power of G-Scribe, Inscriber G-Series offers a range of functionality to meet your broadcasting goals including real-time animation and 3D FlyBy; a comprehensive Media Store; multiple-format clips; and our unique OverLay™ feature which enables elements to remain visible, and individually controlled, while messages and pages are being changed. Add to this, the ability to interface seamlessly in an

automated or news/sports environment through standard MOS protocol or our unique Direct Control application, plus integrate customized and third-party applications without having to use a separate device and it is easy to see that Inscriber G-Series is a graphics powerhouse.

SD/HD Switchable

Delivering the ultimate in flexibility, Inscriber G-Series ensures you have the best performing system for the present and the future with the ability to output in either SD or HD. Even if you purchase an exclusively SD system, you can affordably upgrade to an SD/HD switchable system to make the most of your investment. Inscriber G-Series is a feature-rich and scalable product built for your demanding station environment.

A Solution for Every Need

Because your graphics requirements are unique, we offer two different solutions geared to meet your specific broadcast needs and budget.

Inscriber® G1 is offered exclusively as SD and is available in single or dual channel configurations.

Inscriber® G3 is SD/HD switchable and is available in single or dual channel configurations.

Unlimited Creativity

The numerous creative tools available with Inscribe G-Series means you can quickly and in real-time, create and playout effects that will make your production stand out.

Infinite Layering

With Inscribe® G-Series™ 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.

REAL-TIME Advanced 3D Animation

Inscribe G-Series delivers unprecedented real-time 3D animation. Import and play 3D Flyby™ and stunning 3D transitions. 3D Flyby allows users to import and play mapped 3D objects. Within Inscribe G-Series, you can perform a match move process by importing 3D positioning which allows you to match text or a logo to a 3D rendered carrier graphic. Enhance the sports news with a dynamic 3D leader board. Having already imported the rendered graphic once, you can easily update your leader board every night by simply changing the text. Also, create compelling animated transitions between CG events to dramatically strengthen your production.

OverLay

OverLay allows you to build and control three additional layers of graphics on top of your current output without having to use additional channels. The objects output with OverLay remain on top of other objects and operate without disruption. These layers operate completely independently of other objects, making them easy to control. With OverLay you can easily insert and hide clocks, timers, still or animated logos, bugs, channel IDs, lower thirds, scoreboards, over the shoulder graphics, crawls and more. Crawls can be looped continuously and when linked to external data sources via Inscribe's ODBC option, have its content automatically updated.

Extraordinary Text Effects

Choose from over 100 templates from which to define your own looks. Create unlimited custom looks with the option to change the face, edge, depth, shadow and style of any text. Wild neon colors, luminous glow effects and an endless variety of edges are just some of the options available.



TOOLS FOR CREATIVITY

Clip Playback

Use Inscribe G-Series to apply motion video to any surface, including backgrounds, text or objects. Clip Playback's codecs support all of the main video formats including MPEG1, MPEG2, MPEG4, AVI, Flash®, QuickTime®, WMF and more. The motion background composites seamlessly with the CG elements in the same way a static background or color on the face of text does, except that it has motion. CG operators are provided with a looping function to play long segments of motion behind text. If the character generator changes the text, the moving texture continues to play creating a seamless transition between layouts.

Audio

Compliment your important news stories with unlimited types and sources of audio material like EAS, Amber Alerts or weather warnings. Link audio to animations and promotions for added effect.

Paint Option

Is a 32-bit paint and graphics creation plug-in for Inscribe systems with unlimited layering capabilities, image processing and masking tools. Provides native Photoshop® file import (.psd) directly into the G-Scribe user environment, maintaining layers. The paint option is available for Inscribe G1 and G3 systems.

Inscriber™ G-Series™

Refined Workflow

The many creative and playout tools that G-Scribe™ provides are the basis of the high degree of integrated functionality inherent in Inscriber® G-Series™. It is this integrated functionality that provides users a more refined workflow. From the ability to easily interface within a MOS and NRCS environment, to sophisticated compositing and the ability to work offline, Inscriber G-Series lets you do more in less time.

MOS Interface

Inscriber G-Series easily integrates into your existing broadcast environment to maximize your MOS investment. When a graphic changes, it is echoed in all of the templates and prompter messages effected by this change. The Inscriber G-Series interface also allows for multiple CGs to be controlled from a single control workstation, without requiring an operator at each CG console. With Inscriber G-Series' interface to this system, journalists can retrieve and fill templates; simultaneously view graphics at their work stations; and create a play list to ensure the right graphics are with the right story. With full preview functionality, errors can easily and quickly be identified and corrected before going to air.

Automation Interface (A.I.)

Connect Inscriber G1 or Inscriber G3 systems to newsroom computer systems using industry standard Intelligent Interface®. Enables tag filling and display control using a standard serial port protocol which is available from most news vendors including: Harris, AP/ENPS, Autocue, Avid iNews, Compromter, EZ News, Florical, Parkervision and Sundance. Included with Inscriber G1 and Inscriber G3 systems.

Direct Control

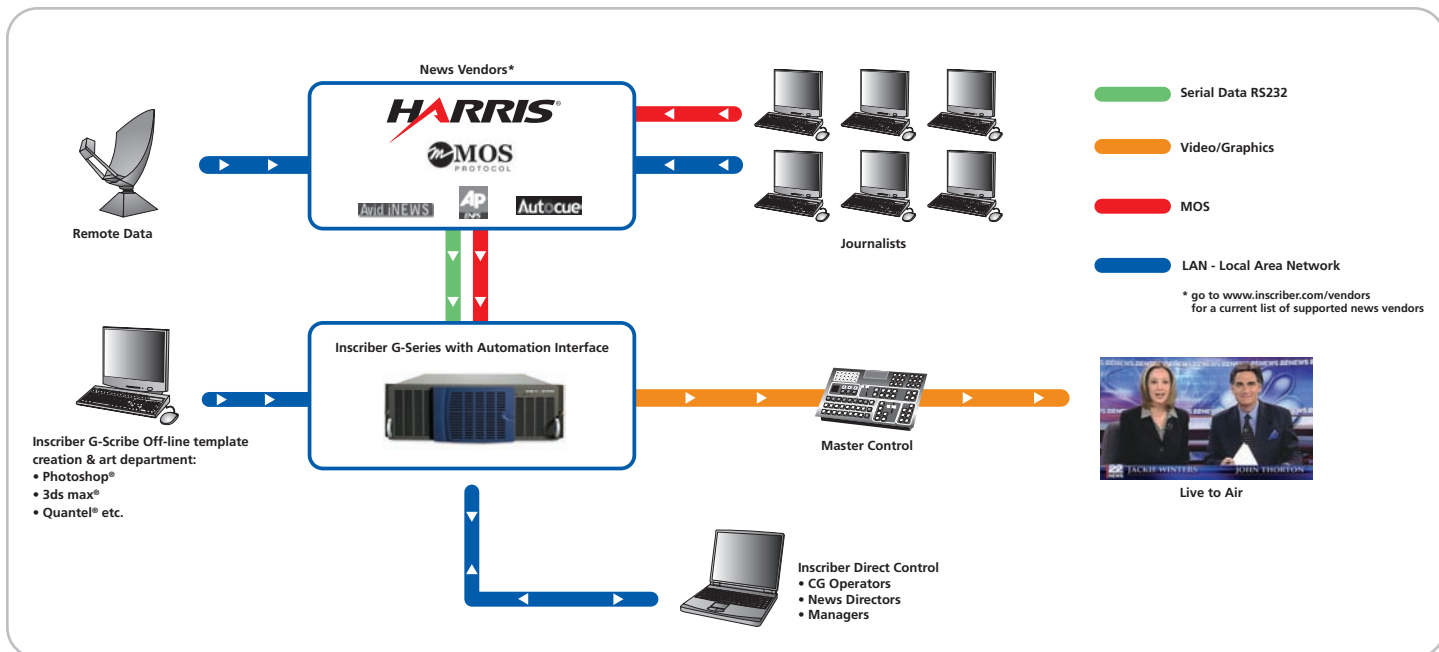
Direct Control is networked graphics control software which offers an innovative way of managing your graphics resources across a LAN. Resources on an Inscriber G-Series system can be viewed and managed from any computer system on

the LAN. This streamlined user interface allows for editing, displaying or simple browsing of CG graphics, playlists, news rundowns, templates or template libraries even by those not trained as CG operators. Available as an option with Inscriber G1 and Inscriber G3 systems.

Media Store

This unique still and clip store enables premium content management and real-time retrieval of stills, clips, animations, logos and full Inscriber pages. Media can be stored without external compression. Media Store has a local storage capacity of at least 50 000 uncompressed stills. Conduct advanced metadata searches by size, file type, date or key.

Automation Interface Workflow



C2i Message Converter

This award-winning converter quickly and easily converts Chyron® iNFiNiT!® message files to fully editable Inscribe layouts. On a Windows® system, C2i can read Chyron-formatted disks directly (Jaz™, Zip™ and Bernoulli™). When files are converted, C2i adapts RGB logo fonts to Inscribe logos, textures or bitmaps and preserves tab fields and tab field names for use with news automation systems. C2i maximizes your existing investment in legacy equipment by eliminating the need to recreate files.

RTXports

RTXports provide a simple and convenient interface to third-party software using Inscribe's fully supported RTX™ API. Run third party applications like school closings, election returns and weather bulletins in conjunction with G-Scribe software on a single system using RTXports.

RapidFire Keyboard

Our custom RapidFire keyboard follows industry standard commands enabling operators to quickly and effectively recall, take, clear and transfer layouts. Use the customizable 'pop-in' feature to edit commonly used text for instant playback and to quickly build new templates.

Strata Compositing

Strata Compositing allows what appear to be separate channels, to output as one channel. This feature enables real-time compositing of multiple independently controllable and infinite, virtual channels, into a single physical channel. Unique to Inscribe G-Series, all of the compositing is done within the Inscribe G-Series system.

Layer 1 - Amber Alert from Overlay or an RTXport

1

Layer 2 - Stock ticker using an RTXport

2

Layer 3 - Time, temperature, logo from Overlay

3

Layer 4 - Over-the-shoulder graphic from CG playlist

4

Layer 5 - Lower third graphic from CG playlist

5

Layer 6 - Background video

6

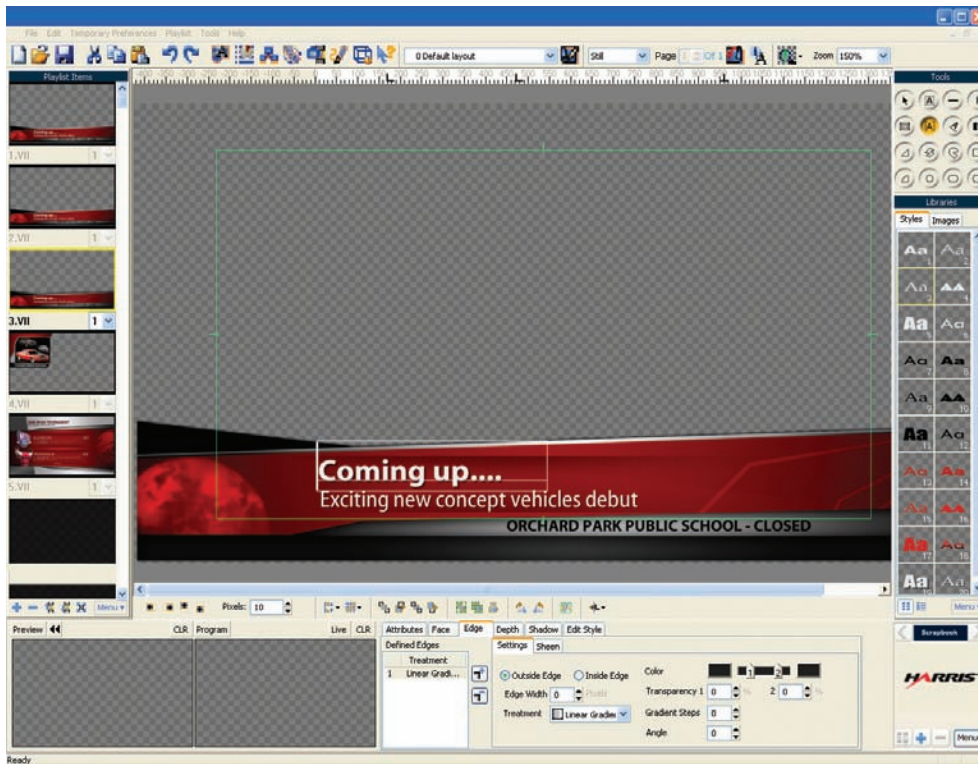
One Physical Channel



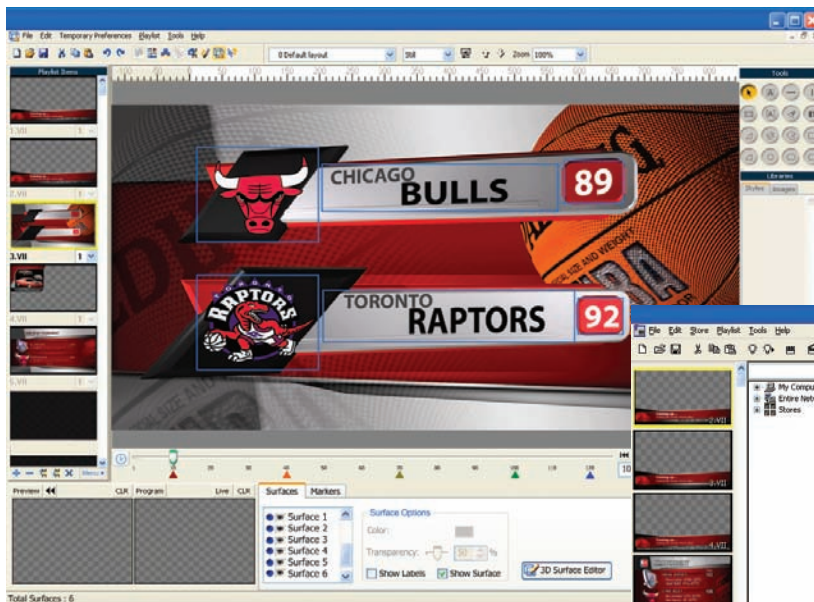
Fully composited graphic for output

Single Source Graphics Solution

G-Series consists of a suite of design tools including a character generator (CG), sequencer, FX key frame animation editor, media store database, optional multi-layer paint tool, frame grab program and 3DFlyby™ module.

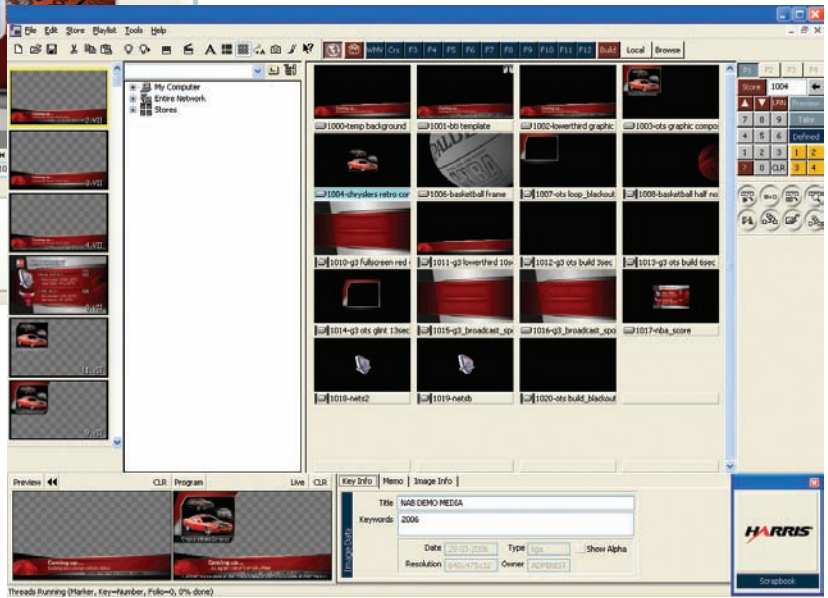


CG Module
Create unlimited custom looks with the option to change the face, edge, depth, shadow and style of any text.



Media Store Module
Premium content management and real-time retrieval of stills, clips, animations, logos and full Inscriber pages.

3DFlyby™ Module
3D Flyby™ allows users to import and play mapped 3D objects.



Specifications & Options

Chassis

- 3U rack mount
- Rack rails included
 - Height: 5.25(13.35 cm)
 - Width: 19" (48.26 cm)
 - Depth: 25.5" (59.69 cm)
 - Weight: 45 lbs (20.41 kg)

Backpanel PC I/O

- MS optical PS/2 mouse
- 104-key system PS/2 keyboard
- 1.44 MB floppy drive
- Four USB 2.0 ports
- Two Gigabit Ethernet ports via RJ45
- One RS232 serial port via DB-9 connector dedicated for Temperature Probe
- One RS232 serial port via DB-9 connector dedicated for Key Pad

Video Specifications

Supported Video Resolutions

Serial digital component 4:2:2 video @

- 1920x1080: /60i/59.94i/50i (SMPTE 274M)
- 1920x1080: /30p/29.97p/25p/24p/23.98p (SMPTE 274M)
- 1920x1080: /30psF/29.97psF/25psF/24psF/23.98psF (SMPTE 274M, RP211)
- 1280x720: /60p/59.94p/50p (SMPTE 296M)
- 720x486 (525): /59.94i (ITU-R BT601)
- 720x576 (625): /50i (ITU-R BT601)

Video Inputs

- One Serial Digital (SD/HD) Program/Frame Grab input: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G3)
- One Serial Digital (SD/HD) Key Input: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G1)
- One Analog Reference input: - Tri-level sync or blackburst - (terminated/non-terminated under jumper control)

Genlock

- HD/SD input or black burst (SD)/tri-level sync (HD)
- Auto timing of HD/SD inputs within +/- _ line window

Input Levels

- SDI: 800mv P-P
- Analog Reference: 1V P-P Black Burst or 0.6V P-P for Tri-level sync

Input Impedance

- 75 Ohm

Video Outputs

- One Serial Digital (SD/HD) Program/Fill output: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G3)
- One Serial Digital (SD/HD) Key output: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G1)

Output Levels

- SDI: 800mv P-P

Output Impedance

- 75 Ohm

Additional Features

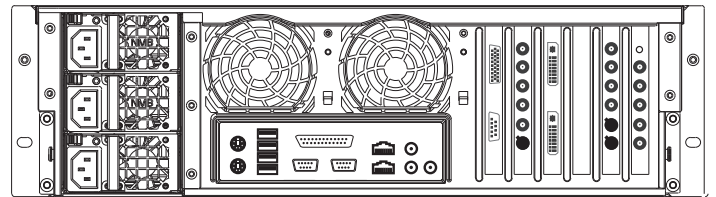
- All internal video processing at 12-bits component 4:2:2:4
- Video and audio bypass on HD/SDI program input-to-output in the event of a power fail or application reset
- Shaped or unshaped fill signal processing
- Internal watchdog timer to ensure hardware stability
- Monitoring and signal status LEDs

Time code

- SMPTE time code reader
- BNC connector on the audio paddle board



G3 System



G3 Backpanel

Options

Add these options to your Inscrubber G-Series system for enhanced value.

- Direct Control
- MOS Option
- Clip playback
- Paint
- RTXports
- RapidFire keyboard
- Shotbox



Optional Keyboard



Optional Shotbox

Keyboard and shotbox may not appear exactly as shown and are subject to change without notice.

Total Content Delivery Solutions that Deliver Results

With the broadest range of hardware, software and services spanning every segment of the content delivery chain, Harris is the leader in Total Content Delivery, providing solutions that drive our customers' strategic success and deliver business results. Scaling from individual point products to content delivery platforms, Harris solutions provide a streamlined workflow to enable customers to achieve greater productivity, reduced costs, new revenue streams and assured communications as they create, manage, distribute and deliver content to their consumers.

Service And Support

At Harris, we are committed to customer service excellence. It is our goal to provide the highest level of support by applying a simple rule: We take ownership of helping our customers succeed. Our support teams consist of innovative technical experts who support all situations regarding product performance, integration and operational processing. We are adept at providing proven solutions, making workflows better and ensuring reliability of the product and system. At Harris, our experienced and dedicated teams stand ready to help you meet your goals for premium product performance, 100% up-time and reduced maintenance investment.

Warranty

Because we want to assure you that Harris stands beside its products and system solutions, Inscriber products carry a standard set of warranty services, which are competitive with — and in some cases outperform — others in the industry.

Service Packages

We offer value-add services that allow you to customize the level of services you need in meeting mission-critical performance levels. Our service package options offer many ways to upgrade your standard warranty by choosing the All-Inclusive OnePak, or by selecting individual services from our extensive portfolio. Our service and support advisors can assist in the selection of the individual services that best suit your requirements.

Canada	+1 800 387 0233
USA East	+1 800 231 9673
USA West	+1 888 843 7004
Latin America and Caribbean	+1 305 512 0045
Europe	+44 1344 446000
France	+33 1 42 87 09 09
Italy	+39 348 341 4408
Hong Kong	+852 2776 0628
China	+86 10 6808 6301
Singapore	+65 6358 1315
Japan	+81 3 5288 5237

For more information please visit www.broadcast.harris.com/gseries

Harris is a registered trademark of Harris Corporation. Trademarks and tradenames are the property of their respective companies.