

Inscriber[®] G-Store™

Digital Media Management



Inscriber[®] G-Store™ is a premium, on-air, real-time media management solution available as an SD or HD/SD-selectable system. This unique still and clip store enables content management and real-time retrieval of stills, clips, animations, logos and full Inscribe pages. With G-Store™, you have a flexible store with database management capabilities that keeps resources organized and ready for playback at any time.

G-Store systems are available for either SD or HD/SD operations. Regardless of the format required, you will find a surprising list of features included as part of the base system. These features make G-Store™ the most competitive media store on the market.

- Store more than 50,000 uncompressed full-frame HD stills (G-Store HD system only)
- Playout of real-time animation templates
- Advanced searches can be conducted by size, file type, date or keyword
- Playout of templates containing references to external data sources using ODBC connectivity
- Multiple layers of output on a single channel — Strata Compositing™
- Random event triggering, AES audio and time code support

Features

Strata Compositing™

Strata Compositing™ enables real-time compositing of multiple independently controllable virtual channels into a single physical channel. Use it to output multiple graphic layers — a ticker, a station ID, a lower third and background video, for instance — as a single channel.

Automation Interface™

Automation Interface™ allows you to connect Inscribe[®] G1™ or Inscribe[®] G3™ systems to newsroom computer systems using the industry-standard Intelligent Interface[®] protocol. It also enables tag filling and display control using a standard serial port protocol available from most news system vendors, including Harris, AP, Autocue, Avid, Compromter, EZ News, Florical, Parkervision and Sundance.

Clip Playback

Clip playback enables integrated playout of clips as backgrounds, media objects and textures within your graphics layout. Play media content of any resolution up to full HD. Software codecs enable playout of most Windows[®] formats, including VIA, AVI, WMV, MPEG2, and QuickTime*.

Options

MOS Interface

No graphics experience required — Inscribe[®] MOS gives newsroom staff the ability to create and schedule template-based text and graphics from their desktops for playout across the entire on-air Inscribe graphics product line. Inscribe[®] MOS consists of a MOS-compliant ActiveX client control interface connected to Inscribe graphics systems, and enables remote asset browsing, editing, and playout capabilities within MOS-enabled Newsroom Computer Systems (NRCS) such as AP's ENPS[®] and Avid's iNews[®]. Real-time previews are generated for the journalists as they create their graphics to ensure the accuracy of each item being added to a story. Centralized control playout allows all changes to the NRCS playlist generated from the Inscribe graphics systems to be automatically updated across multiple channels.

RTXports™

RTXports™ provide a simple and convenient interface to dynamic data streams using the fully supported Inscribe[®] RTX™ API. This option makes it easy to integrate regularly updated information like sports scores, election returns, stock tickers and weather bulletins in layouts created with Inscribe[®] G-Scribe™ software.

Direct Control™

Use Inscribe[®] Direct Control™ to manage networked graphics across a LAN. Resources on a G-Store system can be viewed and managed from any computer system on the LAN, allowing for editing, displaying and browsing graphics, playlists and rundowns.

Paint

This paint and graphics creation plug-in possesses unlimited layering capabilities, as well as image processing and masking tools. Inscribe[®] Paint allows native PhotoShop[®] files (.psd) to be imported into and manipulated within the G-Scribe user environment — while maintaining layers.

RapidFire™ Keyboard

RapidFire Keyboard is essential for live event coverage. The RapidFire keyboard is a dedicated custom keyboard that gives single-stroke functionality for many G-Scribe functions and features. It includes a US 101 Key Cap layout for use as a standard keyboard for normal PC operations.

Second Channel

A second channel can be purchased when ordering your system, or it can be field-installed after the fact. A second channel allows you to output two simultaneous HD or SD outputs (depending on which type of system you have).

*Note: Not all QuickTime codecs are suitable for real-time HD playback. Results may vary.

Specifications

HARDWARE

Chassis

- 3RU rackmount
- Front-mounted, hot-swappable drive bays (8)
- 2+1 redundant hot-swappable power supply - 760 W
- High CFM cooling for 24/7 operation
- HxWxD: 5.25"x19"x25.5" (13.35 cm x 48.26 cm x 59.69 cm)
- Weight: 45 lbs (20.41 kg)

CPU

- 2x AMD Opteron 270 for G-Store SD
- 2x AMD Opteron 280 for G-Store HD/SD

GPU

- Dual-Head PNY NVIDIA® FX1500/256 for G-Store SD
- Dual-Head NVIDIA® FX4600/512 for G-Store HD/SD

RAM

- 2 GB DDR400 RAM for G-Store SD
- 4 GB DDR400 RAM for G-Store HD/SD

Disk Sub System

- 1 x 160 GB SATA system drive
- 2 x 160 GB SATA media drives for G-Store SD
- 3 x 160 GB SATA media drives for G-Store HD/SD
- Add'l 2 x 160 GB SATA drives for G-Store SD clip option
- Add'l 4 x 160 GB SATA drives for G-Store HD/SD clip option (clip option includes SATA controller with eight SATA ports)

Removable Drives

- Recordable CD/DVD-RW drive for backup or system restore
- 1.44 MB floppy drive

External Ports

- Two Gigabit Ethernet ports via RJ45
- Two RS232 serial port via DB-9 connector
- Four USB 2.0 ports - back panel
- Two USB 2.0 ports - front panel

VIDEO

Supported Video Resolutions

Serial digital component 4:2:2 video @

- 1920 x 1080: /60i/59.94i/50i (SMPTE 274M)
- 1920 x 1080: /30p/29.97p/25p/24p/23.98p (SMPTE 274M)
- 1280 x 720: /60p/59.94p/50p (SMPTE 296M)
- 720 x 486 (525): /59.94i (ITU-R BT601)
- 720 x 576 (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 Mb/s @ 525/625 and 1.485 Gb/s for HD)
- One serial digital (SD/HD) Key Input: 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mb/s @ 525/625 and 1.485 Gb/s for HD)
- One analog reference input: tri-level sync (HD) or blackburst (SD) (terminated/non-terminated under jumper control)

Input Levels SDI

- SDI: 800 mv P-P
- Analog Ref: 1V P-P blackburst or 0.6 V P-P for tri-level sync

Input Impedance

- 75 ohms

Video Output

- One serial digital (SD/HD) Program/Fill output: 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mb/s @ 525/625 and 1.485 Gb/s for HD)
- One serial digital (SD/HD) Key output: 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mb/s @ 525/625 and 1.485 Gb/s for HD)

Output Levels

- SDI: 800 mv P-P

Output Impedance

- 75 ohms

Audio Specifications

- Two input / two output AES/EBU audio channels through the unbalanced BNC connectors on the separate PC I/O paddle board
- On-board audio mixer
- 3.5 mm stereo jack on faceplate for analog audio monitoring

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
- GPIO: 24 port (10 outputs/14 inputs)

Timecode

- SMPTE timecode reader
- BNC connector on the audio paddle board

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

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