

# CAMIO



MOS-driven graphics asset management solution for newsroom integration.

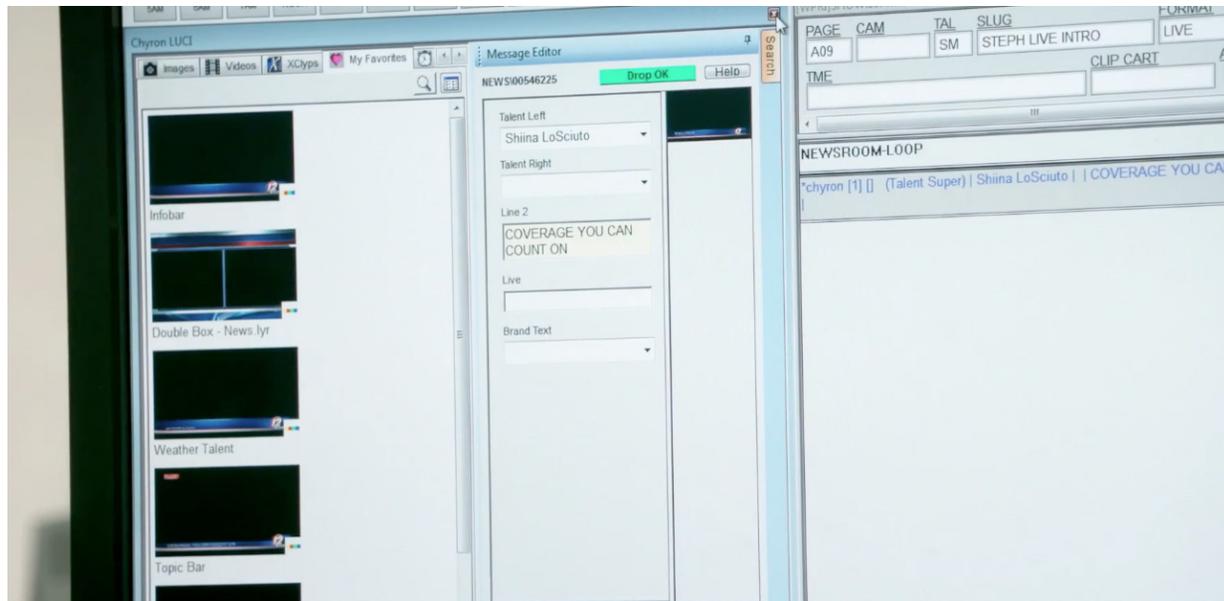
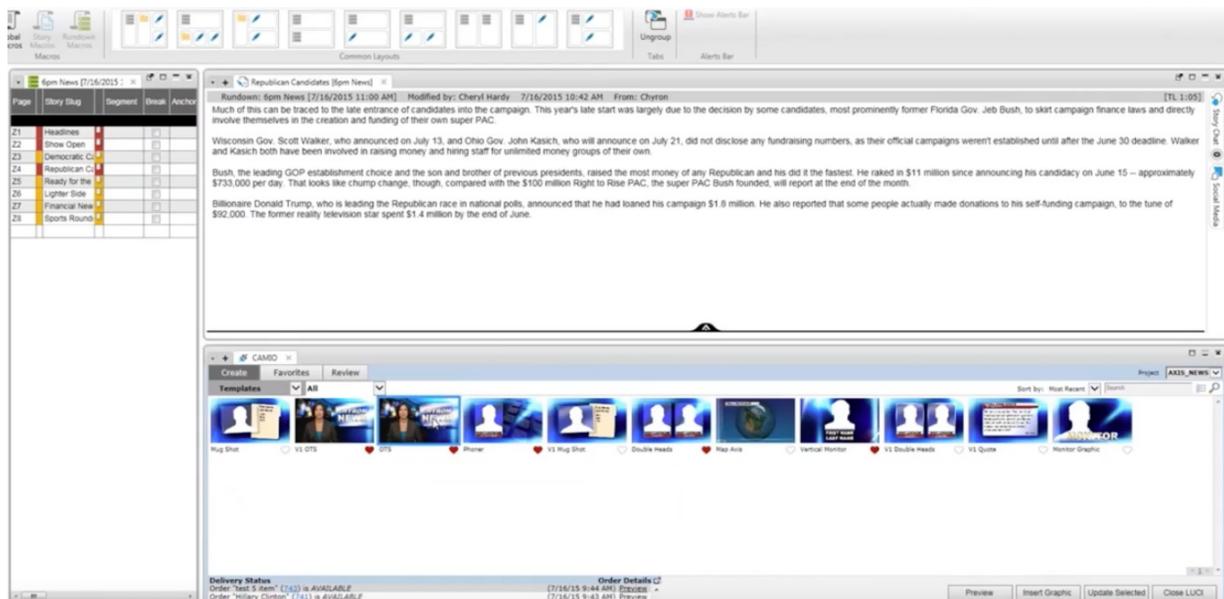
# THE BEST GRAPHICS ENGINES ARE ONLY AS GOOD AS THE WORKFLOW TOOLS THAT TAKE THOSE GRAPHICS TO AIR.

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The best graphics engines are only as good as the workflow tools that take those graphics to air. With CAMIO®, our MOS-driven, graphics asset management solution, your templates, graphics, and clips are powerful reusable assets. With minimal training, producers and reporters can easily access them and add text, images or clips from within their NRCS rundowns, with web-based controls, eliminating the need for repetitive orders for new graphics design.

Via CAMIO® iSQ (Intelligent Sequencer) operators can easily drive one or more Lyric or Prime graphics engines to deliver the correct template, correctly fulfilled at the correct time.

CAMIO® delivers a scalable, intuitive workflow news graphics creation, production, and playout, streamlining the workflow for designers, producers, and directors/operators. CAMIO also offers integration with leading NLE, bringing the branding and look of on air graphics to the post-production suite as well. CAMIO® facilitates unified content creation for both linear and non-linear production, whether for output on air, on the web, streaming or to social media.



## USING THE CAMIO® SYSTEM WITH LUCI (NRCS AND NLE PLUGINS), PRODUCERS AND JOURNALISTS CAN:

- Build stories within the newsroom system rundown via the industry-standard MOS protocol
- Newsroom system integrations include AP ENPS, Avid iNEWS and Media Central, Dalet Galaxy, Octopus, Ross Video Inception and SCISYS Open Media.
- Browse and fulfill pre-defined templates for:
  - **Broadcast graphics** (CG, video walls, touchscreens, channel branding, weather, etc.) used in PRIME or LyricX graphics systems
  - **Production automation** (camera switching, DVE, etc.) provided by Vidigo production-in-a-box solution
  - **Epic Games Unreal Engine 4's virtual sets or augmented reality graphics** provided by FRESH
- Assemble on-the-fly graphics and images within the newsroom system to publish directly to the rundown for on-air playout.
- Render and import graphics into your favorite NLE timeline with full-quality previews.



With the CAMIO® Rundown (ISQ), directors and operators can live preview multiple rundown playlists from a configurable user interface.

- Drive the show via manual control or automated payout
- Make last-minute changes easily

*Ideal for distributed teams, CAMIO® 's “create once, publish to many” approach ensures that template or asset changes made at a centralized design hub synchronize automatically to any or all remote “spoke” stations or production teams.*

# KEY FEATURES

## CAMIO® Interface (LUCI)

LUCI provides powerful template browsing and content fulfillment tools to add text, images and video to templates to drive stories independently of the art department. It even allows adding multiple images to single image fields within templates.



### TEMPLATE-DRIVEN EFFICIENCY

#### Template-Driven Efficiency

Template-based workflow extends to all our graphics and automation products:

- PRIME Graphics
- LyricX
- FRESH
- Vidigo News
- Metacast

#### Connectivity to **Axis**

**Graphics**, our cloud-based graphics order management solution, allows journalists to easily create maps, 3D charts and financial quotes.



### CUSTOM SAVED ITEMS

Scenes that are frequently used can be stored in a Saved Items list. These lists can be customized with folder-based hierarchy with global parameters and permissions.



### FLEXIBLE FOR NON-LINEAR PRODUCTION

Native plugins for leading NLEs including Avid Media Composer, Grass Valley EDIUS and Adobe Premiere Creative Cloud, allow designers or producers to import full-quality, rendered animated graphics directly into a story timeline.



### RESKIN PACKAGES IN MINUTES

Reskin an existing template or even an entire rundown in minutes! Easily switch looks from standard news to breaking news, rebrand your entire station or reuse stories from another station by changing all colors, fonts, logos and more with a single click.

# KEY FEATURES

## CAMIO® Asset Manager



### ADAPTABLE TO HUB & SPOKE DISTRIBUTION

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Optimized for distributed teams, the built-in folder management functionality is adapted for broadcast graphics with features like automated font distribution and installation/exclusion rules.



### ASSET ANYTIME, ANYPLACE:

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- For quick and simple browsing, all templates and assets are managed by a database for Advanced Search capabilities based on extensible metadata.
- Integration with Adobe® XMP® metadata means that embedded information automatically populates text fields to ensure design compliance.
- Metadata and Autofill Replication ensures that metadata is kept close to the assets as they are distributed throughout the network.

## CAMIO® Playlist (ISQ)

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- The CAMIO® (iSQ) Rundown automatically corrects the playlist and cues the appropriate graphics during rundown changes to give your operators complete confidence that the graphics are ready for air.
- CAMIO®'s embedded quality assurance previews ensure intuitive and uniform execution of graphics throughout an entire show.
- The CAMIO Rundown displays the pause count for every graphic in the rundown. Thumbnail for the current on-air graphic shows pauses remaining.

CAMIO is available in a variety of hardware and virtual configurations and levels of redundancy because we know our clients have different requirements for managing their graphics production and IT infrastructure.

#### CAMIO

The CAMIO hardware platform has been the industry workforce for almost 20 years. A ruggedized broadcast quality chassis with redundant power supplies, and more than enough RAID storage for your graphics assets, Genuine ChyronHego hardware is optimized for performance and features 24/7 ChyronHego support.

#### CAMIO DR

Combine CAMIO with CAMIO DR to add a second CAMIO hardware platform with automatic data replication and manual failover to protect against an unlikely hardware failure. The most cost effective way to ensure your ChyronHego graphics are online at all times.

#### CAMIO Cluster

The most critical applications will require automatic failover and a SAN storage solution for maximum reliability and expandability. The CAMIO Cluster is a MS Windows SQL Cluster based system optimized for CAMIO graphics management requirements.

#### CAMIO VM, CAMIO VM DR and CAMIO VM Cluster

Many broadcasters have embraced virtual machine technology as more cost-effective and easier to maintain. CAMIO is now available for installation on a VM platform in all of its configurations. Contact your ChyronHego Solutions Engineer (Pre-Sales Engineer?) to discuss your requirements and possible solutions.

# TECHNICAL SPECIFICATIONS

MOS-driven graphics asset management solution.

## SUPPORTED NEWSROOM COMPUTER SYSTEM (NRCS)

AP ENPS, Avid iNEWS, and Media Central, Dalet, Octopus, Ross Video Inception and SCISYS Open Media

## LANGUAGES SUPPORTED

Unicode support making CAMIO® 's interfaces available in many languages

## NON-LINEAR EDITOR (NLE) PLUGINS SUPPORTED

Grass Valley EDIUS 7 & 8, Adobe Premiere Creative Cloud, and Avid Media Composer

## AUTOMATION SUPPORTED

Sony ELC, Grass Valley Ignite, Ross Video Overdrive

## BASE SYSTEM CONFIGURATION

- Microsoft® Windows® Server 2016 Standard Edition OS
- Xeon E5 Quad-Core Intel® Processor
- 32GB DDR3 RAM
- NVIDIA Quadro 4000 Graphics accelerator card

*Software-only solution available for customer provided hardware and VM platform.*

## DIMENSIONS

- Chassis: 2RU
- Height: 8.9cm/3.5"
- Width: 43.7cm/17.2"
- Depth: 64.7cm/25.5"
- Weight: 23.6kg/52lbs.

## POWER REQUIREMENTS

Power Supply: 740W redundant, AC power supplies

- Power Requirements: 100-240VAC,
- 50/60Hz, 9A @120VAC / 3.5A @240VAC

# SERVICES

ChyronHego is known for its end-to-end customer service. We partner with our customers from the initial project design, to project management, training, on-air launch support and post-launch follow-up.

## PROJECT MANAGEMENT AND COMMISSIONING

Project Management and Commissioning are part of the turn-key services that we offer. This ensures your investment is properly installed from Day One by a certified ChyronHego representative.

## DESIGN AND OPERATION TRAINING

We offer Design and Operation training, either in your facility or via our on-line web portal. Our expert trainers can teach your staff the most efficient way to create and deliver stunning content for your productions.

## EXTENDED WARRANTIES

Finally, all ChyronHego products come with a One (1) year factory-backed warranty (parts, labor & software upgrades). Extended Warranties on all your purchases can be added at any time for an annual fee. Please contact our sales professionals.

# ABOUT CHYRONHEGO

ChyronHego is ushering in the next generation of storytelling in the digital age. Founded in 1966 as Chyron, the company pioneered broadcast titling and graphics systems. With a strong foundation built on over 50 years of innovation and efficiency, the name Chyron is synonymous with broadcast graphics. ChyronHego continues that legacy as a global leader focused on customer-centric broadcast solutions. Today, the company offers production professionals the industry's most comprehensive software portfolio for designing, sharing, and playing live graphics to air with ease. ChyronHego products are increasingly deployed to empower OTA & OTT workflows and deliver richer, more immersive experiences for audiences and sports fans in the arena, at home, or on the go.

## CONTACT SALES

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