



Redefining Graphics Production Workflows
News Producer-Driven, Template-Based Workflow

A Unified End-To-End News Content Creation,
Production, and Playout Solution

CAMIO

PRODUCT INFORMATION SHEET

REDEFINING GRAPHICS PRODUCTION WORKFLOWS

ENHANCED FLEXIBILITY AND COST-EFFECTIVE WORKFLOWS

ChyronHego's next generation CAMIO4® graphics asset management solution provides MOS Newsroom Computer Systems (NRCS) integration for ChyronHego's industry leading Lyric™ PRO graphics creation and PowerClips™ playback devices while also functioning as a Content Distribution tool. This highly versatile solution does the work of multiple devices, resulting in a direct reduction in operating expenses for your facility.

All of the templates and assets presented to the newsroom user are managed by a database with both Quick Search and Advanced Search capabilities based on extensible metadata. This makes browsing simple and quick. Selecting the proper template, finding the right asset, and inputting the required text couldn't be any easier.

CAMIO's use of Adobe® XMP® metadata means that embedded information is automatically populated within text fields while validating images within templates to ensure design requirements are not circumvented.

SERVER-BASED BROWSING AND PREVIEWS

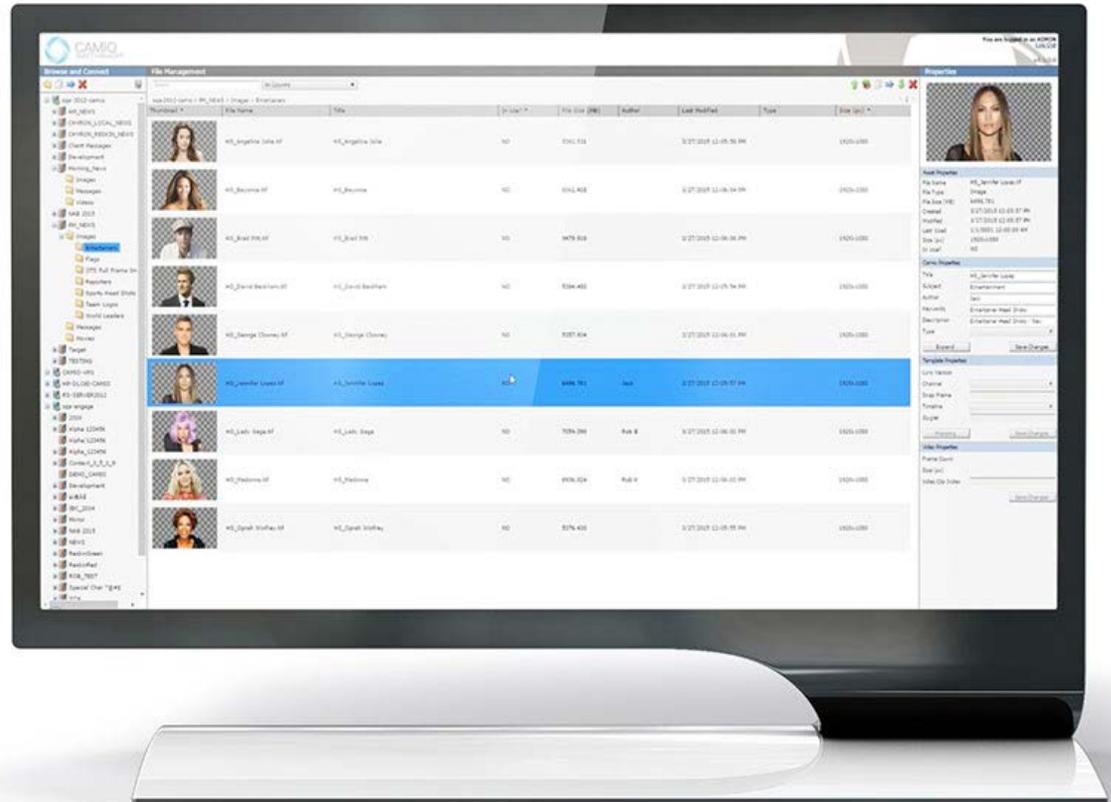
With the introduction of the all-new CAMIO MX server, the end-user is presented with the ChyronHego LUCI ActiveX® plugin to the newsroom system which provides an easy-to-use WYSIWYG interface for building graphics. All graphics rendering occurs on the CAMIO server or playout device, and a standard JPEG image of the graphic is returned from the CAMIO server to the end-user for review. Building graphics within the CAMIO workflow has the same basic hardware requirements on the end-user workstation as browsing the Internet.

Graphic previews are created on the CAMIO server rather than pushing textures, templates and movie files to the end-user's desktop to do the actual rendering. This reduces the bandwidth requirements on the network infrastructure that would otherwise be used to push and preview large HD files. This also eliminates the investment to update desktop PCs in the newsroom with expensive video cards or RAM. As a matter of fact, it is possible to execute the CAMIO workflow over thin clients. If users can log in and remotely access the newsroom system, they can also create graphics with CAMIO workflow tools. Configuring the CAMIO system can even be done via a Web browser and can be accomplished from anywhere on the LAN.



COLLABORATIVE TOOLS FOR THE HUB AND SPOKE MODEL

CAMIO lets you automatically replicate templates and assets from CAMIO at a centralized design facility (Hub) to any or all of the stations (Spoke) in the group. Replication is a workflow feature in CAMIO. This means that one central location can build templates or assets that automatically populate into CAMIO servers at the local station. This “create one, publish to many” approach eliminates the need for round-the-clock staffing of skilled operators at each location, saving costs and greatly enhancing the efficiency of your graphics workflow.



CLOUD TO GROUND GRAPHICS CREATION

CAMIO offers an embedded portal to ChyronHego's cloud-based Axis® World Graphics,. With Axis, your graphics can be shared by anyone with Internet access. Extend your reach to a limitless source of assets and let your staff tell a better, more





KEY FEATURES

- **CAMIO integrates with MOS Newsroom Computer Systems from ENPS, Avid iNews, Dalet, Annova, Octopus, and others.**

Newsroom users have easy, immediate access to graphic assets directly from their NRCS desktop.

- **Unicode support.**

Multiple languages are supported within the User Interface and metadata.

- **CAMIO interfaces directly with ChyronHego's Lyric PRO broadcast graphics creation application and PowerClips graphics playback system.**

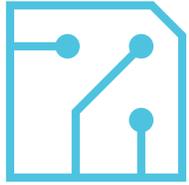
This highly versatile solution does the work usually requiring multiple devices, resulting in a direct reduction in operating expenses for your facility.

- **Embedded portal to Axis World Graphics, ChyronHego's cloud-based self-service graphics creation and order management solution.**

Extend the reach of your graphics creation resources. With Axis World Graphics, your graphic assets are never out of reach and always available.

Powerful, expandable technology.

CAMIO now offers faster processing and is expandable to more users and playout devices.



TECHNICAL SPECIFICATIONS

BASE SYSTEM CONFIGURATION

- Microsoft® Windows® Server 2012 R2 Standard Edition OS
- Xeon Socket 2011-v3 Hexa-Core Intel Processor
- 32GB DDR4 RAM
- NVIDIA Quadro 2000 Series GPU
- **RAID STORAGE**
- RAID 1 - 2 x 200GB SATA SSD SYSTEM drive
- RAID 6 - 4 x 3TB SAS HDD MEDIA drive (~5.4TB usable)

POWER

- **Power Supply:** 740W redundant, AC power supplies
- **Power Requirements:** 100-240VAC,
- 50/60Hz, 9A @120VAC / 3.5A @240VAC

SUPPLIED SOFTWARE

- ChyronHego CAMIO 3.7 (and higher) MOS newsroom gateway and asset management server application
- ChyronHego Lyric PRO graphics creation software
- Microsoft® SQL Server 2008 R2 Express

AVAILABLE COMPUTER INTERFACES

- DVI-I connector
- DisplayPort connector
- 1 serial port
- 4 USB connectors rear
- 2 RJ-45 Gigabit Ethernet

DIMENSIONS

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



5 REASONS

CAMIO

ChyronHego's next generation CAMIO® graphics asset management solution provides MOS Newsroom Computer Systems (NRCS) integration for ChyronHego's industry leading Lyric™ graphics creation and PowerClips™ playback devices while also functioning as a Content Distribution tool.

This highly versatile solution does the work of multiple devices, resulting in a direct reduction in operating expenses for your facility.

1

CAMIO® integrates with MOS Newsroom Computer Systems from ENPS, Avid iNews, Dalet, Annova, Octopus, and others.

- Newsroom users have easy, immediate access to graphic assets directly from their NRCS desktop.

2

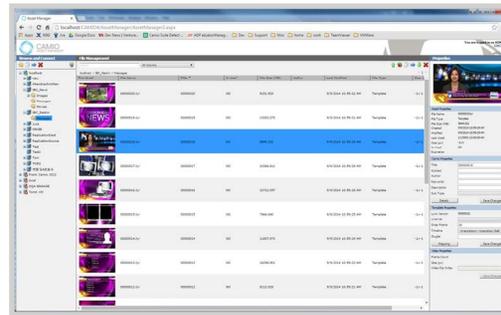
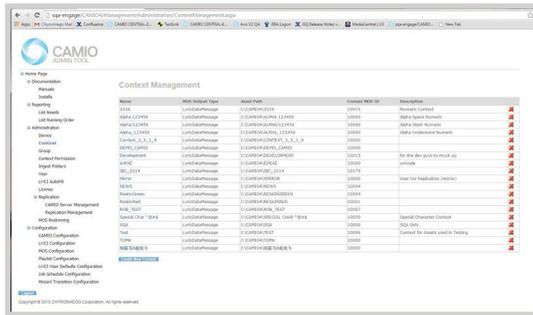
Unicode Support.

- Multiple languages are supported within the User Interface and metadata.

3

CAMIO interfaces directly with ChyronHego's Lyric® broadcast graphics creation application and PowerClips graphics playback system.

- This highly versatile solution does the work usually requiring multiple devices, resulting in a direct reduction in operating expenses for your facility.



4

Embedded portal to Axis® World Graphics, ChyronHego's cloud-based self-service graphics creation and order management solution.

- Extend the reach of your graphics creation resources. With Axis World Graphics, your graphic assets are never out of reach and always available.

5

Powerful, expandable technology.

- CAMIO now offers faster processing and is expandable to more users and playout devices.

ABOUT CHYRONHEGO

ChyronHego, a portfolio company of Vector Capital, is a global leader in products, services, and solutions for the broadcast and sports industries. Specializing in live television, news, and sports production, ChyronHego offers some of the industry's most widely deployed solutions — including Lyric®, the world's most popular broadcast graphics creation and playout offering; the all-new CAMIO® Universe newsroom workflow; and TRACAB® Optical Tracking, the global leader in optical sports tracking systems as well as Click Effects, the most proven and versatile stadium broadcast family of graphics products. Headquartered in Melville, New York, ChyronHego also has offices in the Czech Republic, Denmark, Finland, Germany, Mexico, the Netherlands, Norway, Singapore, Slovak Republic, Sweden, and the United Kingdom.

For more information on ChyronHego, visit www.chyronhego.com.

CONTACT SALES AND
SCHEDULE A DEMO @

NORTH AMERICA

+1.631.845.2000 |

EMEA

+46 8 534 88 300 |

LATIN AMERICA

+1.305.972.1396

ASIA/PACIFIC

+65.64071330 |

JOIN THE CONVERSATION
ONLINE WITH CHYRONHEGO @

www.chyronhego.com

Copyright 2019 ChyronHego Corporation. All rights reserved. ChyronHego is a trademark of ChyronHego Corporation. All other tradenames referenced are service marks, trademarks, or registered trademarks of their respective companies. Specifications subject to change without notice.