streamline ▷

Media Asset Management for XPression Graphics

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Streamline Overview

Graphics and video are a powerful part of every story. But finding the right assets gets more complicated every day with images coming from an increasing variety of sources. Whether it's finding existing assets or requesting new ones, teams often have to navigate multiple processes and platforms, costing time and money. Streamline is the solution to this chaos and makes finding the right asset fast and easy.

Streamline was created as a companion to Ross' popular XPression Motion Graphics system. Streamline is designed to organize and manage the graphic and video assets in an XPression workflow. Streamline combines the entire asset management process into a single platform, allowing everyone from graphic artists to journalists to easily access existing assets and collaborate on new content.

Streamline allows your team to put their focus where it belongs, on telling great stories.

ORGANIZE YOUR CREATIVITY

- Ingest and catalog your graphics, stills, and video content with a rich set of metadata fields and tags.
- Search and create asset filters to discover and utilize graphic and videos through simple drag and drop workflows.
- Request and prioritize graphics and art creation through a centralized work order management system.
- Preview your videos and graphics with automatic proxy and thumbnail creation.

OPTIMIZE YOUR ABILITIES

- Utilize the detailed reporting engine to discover and eliminate wasteful processes and manage routine graphics creation.
- Work from anywhere using modern browser-based technology that makes it easy for your team to access content from the field.
- Enable anyone in the newsroom to quickly create on-air graphics using a highly integrated workflow with Ross Video's motion graphics system XPression.

CONNECT EVERYTHING TOGETHER

- Take advantage of the modern, easy-to-use, and highly flexible user interface that works with your Windows and Mac based computers, providing simple interaction with the system by all of your users.
- Browse, discover, and link media assets to story content right from your newsroom computer system (NRCS) using the Streamline plug-in.
- Automate asset transfer to video servers and other devices as needed with powerful asset life-cycle transfer and management tools.

Streamline Your Workflow
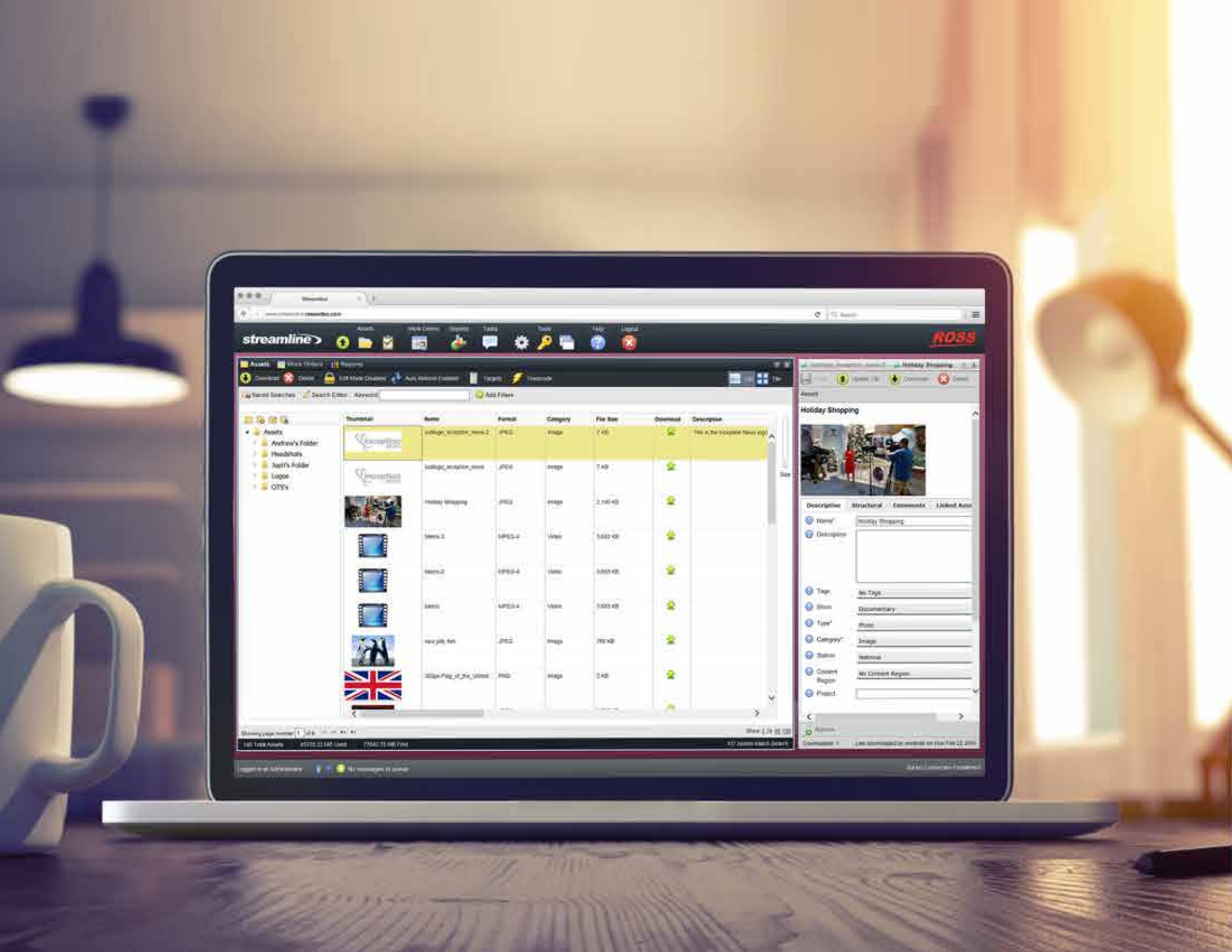
A Connected Workflow

Streamline is the central hub for your production processes. It puts a centralized database of media assets at the finger tips of your multi-platform content creators. Streamline integrates well with the Ross Video product portfolio. The content stored in Streamline can easily be used for everything from on-air graphics to social media posts. Streamline has a unique integration with Ross Video's XPression Motion Graphics system. In an NRCS workflow, you can search Streamline for an existing asset directly inside the XPression MOS plug-in. Then, if no suitable assets are found, use the placeholder workflow to request a new asset be created by the art department. Assets can also be pushed directly into the media stores in Acuity and Carbonite Production Switchers, the MC1 Master Control, Abekas Mira Video Servers and a variety of third party products. OverDrive Automated Production Control, reads Streamline assets in a manner that makes it simple to automate the playout of graphics, stills and video.

Simple, Time-Saving Solutions

Streamline saves substantial time in the production process by automating routine tasks and leveraging media assets you already own. The amount and diversity of your content is always increasing. Make the most this growing inventory of media assets by making it easily available to your content creators, saving time and money. Streamline is a production tool that empowers individual users, enables creative collaboration, and makes your production staff more efficient and agile. Streamline provides a single platform to find, request, deliver and approve assets - one unified workflow. When an NRCS rundown is loaded, Streamline automatically delivers all necessary assets to destinations across the network to be available when and where needed without manual intervention. Streamline also provides life-cycle management of assets, so the asset can be automatically removed from a specific destination when no longer required, saving on routine maintenance.

An Investment In Your Future

From headshots to team logos, all of the assets in Streamline are tagged with a variety of metadata. When the investment is made to catalog and tag assets as they are created, your financial return comes from the creation of a massive repository of searchable, re-usable content for future stories. This enables the production of greater volumes of multi-format and multi-platform content that you can monetize for additional revenues. It creates production solutions that are agile and adaptable to empower your staff to be more efficient and creative.

Key Benefits

Browser-Based

Streamline uses an entirely browser-based user interface. With a rich and fluid user experience, any of your staff can simply open up a Web browser on their Windows or Mac computer and start using Streamline. It installs in your facility or data center, and is completely managed by your team.
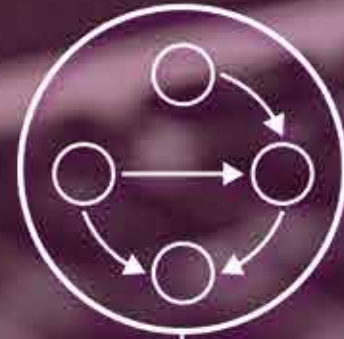
Easy to Use

The browser-based user interface puts all of the key features right at your fingertips. The Streamline user experience is designed to make both high level users and beginners alike feel right at home. Icon-based navigation, customizable views and a rich set of keyboard shortcuts are also supported to take advantage of the talents of your power users.

Accessible Anywhere

Being a browser-based system, Streamline creates a consistent experience regardless of location. Remote users can simply login to the system via a VPN link any time they are in the field. Remote users can do anything that local users are capable of, including filing or fulfilling work orders, browsing or ingesting assets and viewing reports.

Integrated Workflows

Streamline makes your workflows simple through tight integration to other devices. Besides ingesting and cataloging assets, you can search and link assets to stories, content, and graphic templates. Streamline will take care of transporting assets to where they are needed automatically behind the scenes.

Save Time & Money

Take advantage of work order requests and management to better allocate the time and talents of your artists, permitting them to prioritize their tasks and pending deadlines so you can always bring the completed graphics and clips to air on-time. Notifications of assignment or pending deadlines can also be sent by email.

Highly Collaborative

The browser-based environment enables Streamline to be highly collaborative. Multiple users can browse and link assets, and work order fulfillment can be easily handled by a team of artists either remotely or locally. Streamline's instant messaging can be used to brainstorm and communicate.

Powerful Organization

Streamline provides an extensive set of search capabilities to find and filter your assets, discovering the perfect graphic or video from your existing repository. Extensive metadata and tagging capabilities permit you to organize your assets and tag them appropriately in a way that fits your organization. Streamline can automatically populate metadata when ingesting assets from a watch folder or graphics services like MGN Online and AP GraphicsBank.

Optimize Resources

The rich reporting features inside Streamline help you understand the utilization of both your human resources and media assets. See the cost and time associated with asset creation and how often each asset is being used. Identify areas of productivity or waste and make better decisions. Reports can be exported to share and present across the company.

Focused on Security

Streamline is built on the latest web technology, and adheres to strict security standards. There is full support for secure socket layer (SSL) technology to encrypt all your client to server communications.
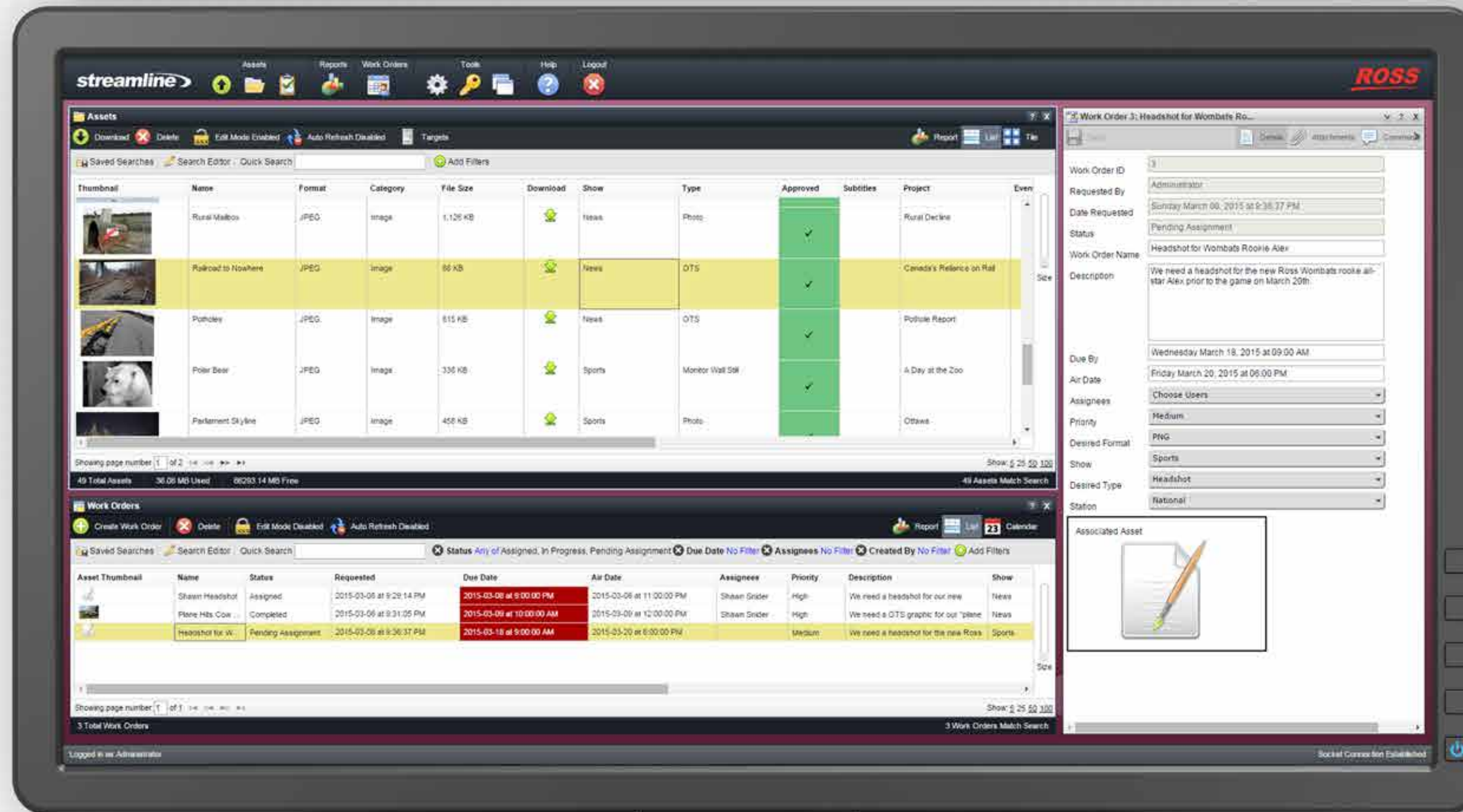
Multiple Platforms

Streamline's browser-based design enables the system to run on both Windows and Mac OS, with support for most major browsers including Internet Explorer, Mozilla Firefox, Google Chrome, and Apple Safari.

Streamline Interface

Configurable Workspace
All views in the Streamline workspace are dockable, reposition-able, and resizable. Various perspectives can be created on a user-by-user basis to tailor the environment to your liking.

Persistent Sessions
Streamline remembers which views you had open and the locations so you can start where you left off on your next login.

Hotkey Support
Common functions, navigation, and toolbar icons have support for hotkey bindings so you never have to leave the keyboard.

Drag and Drop Workflow
Drag and drop assets into Streamline or drag and drop existing assets into a graphics template.

Unicode Compliant
Your team can create and store content in any language. Streamline is a completely Unicode compliant platform.

REPORTERS & EDITORIAL STAFF

Streamline empowers newsroom journalists and other users with a self-service graphics and editing workflow in order to effectively communicate their story while reducing the number of touch-points and time required. All the assets in the facility are available for the newsroom user to search, browse and drag into an XPression graphics template or link against a story. Reporters can open a template from an active XPression project and use Streamline to create an order for a new asset to fulfill their graphic needs. Even if the necessary asset doesn't exist, a newsroom user can request the asset and Streamline will create a placeholder that can be used immediately so the user can move on to other tasks while the asset is created.

For video, reporters can simply find the video they want to use by searching and using preview proxies, then drag and drop it into the story inside of the NRCS. Streamline will take care of the rest, dynamically moving the asset from storage to the playout system and ensuring it is part of the production lineup.

PRODUCERS & EXECUTIVES

Producers and executives will benefit from Streamline by gathering a greater insight as to where time and money is being spent in productions. The detailed reporting and analytics engine permits you to track a huge variety of metrics and build graphs and reports to optimize your workflow and personnel. With Streamline's reporting engine, you can quickly identify how long it takes assets to move from assigned to complete on an artist by artist level, factoring in the complexity of the design, or better analyze the types of routine assets you're frequently creating and put processes in place to better utilize your top talent.

Further metrics permit you to prepare for the future, identifying the types and volume of assets and their storage requirements based on usage patterns for specific assets, permitting you to better understand your asset storage requirements and identify content that is simply using space while providing little to no long term benefit.

User Benefits

ARTISTS & VIDEO EDITORS

Enable your users to get the job done with the best tools possible. Streamline has a highly customizable user interface, which permits users to create and select Perspectives that present the information in the best format for the way they work. For users that prefer a high volume of data to get a better understanding of what is available, the List View shows any or all of the columns of data associated with assets, as well as a thumbnail of each asset. The Grid View provides a thumbnail view of the assets as the primary focus, and asset details can also be selected to be shown under the thumbnails to help identify assets correctly.

Streamline helps to manage your queue of work through its powerful work order management interface, helping you work among deadlines and prioritize your schedule. Users can easily check out assets from the Web interface, and check in the projects or edited video for approval once they are completed via a simple upload process. Email notifications can also be sent when work orders are assigned or as reminders about upcoming deadlines.
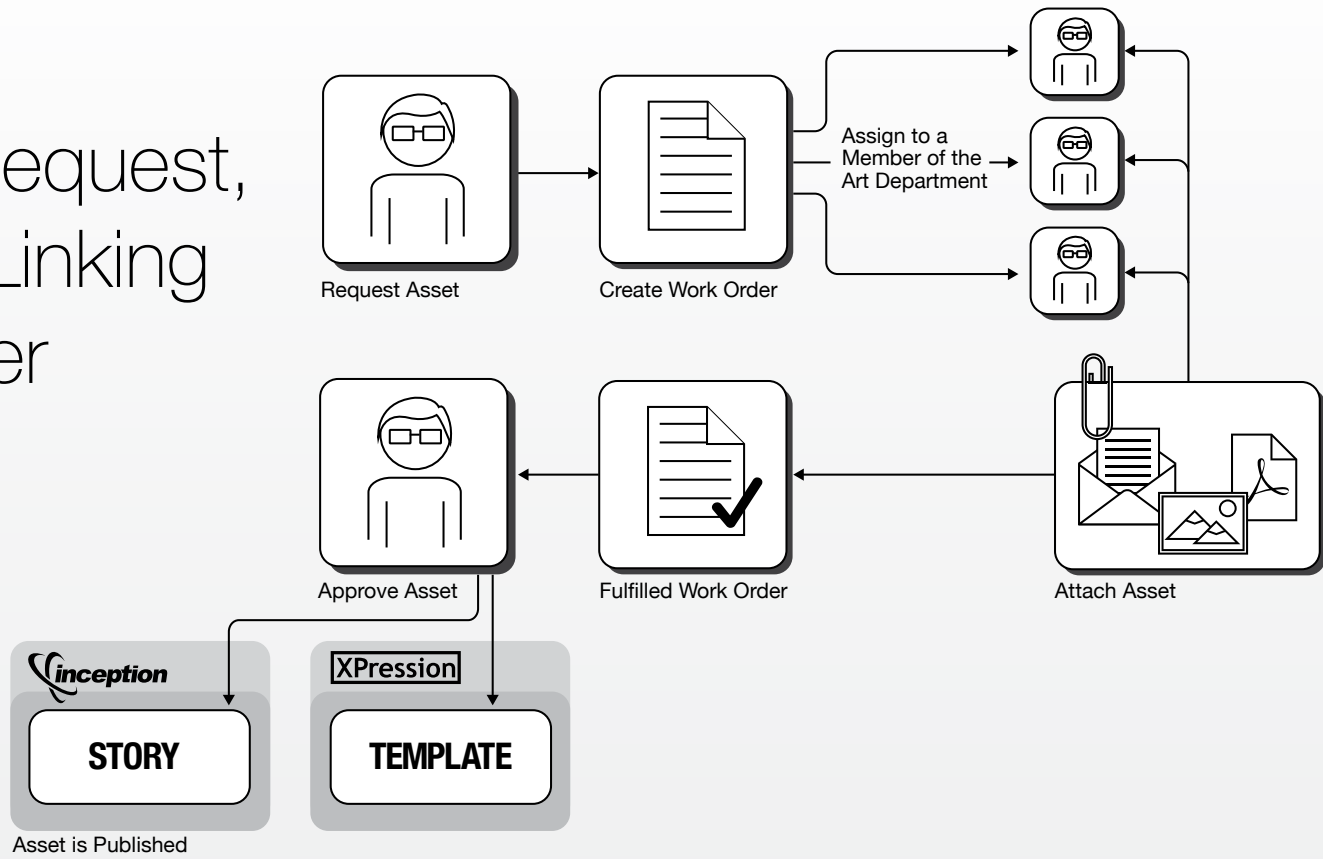
DIRECTORS & MEDIA MANAGERS

Streamline takes the worry and overhead of managing your video servers and graphics out of the production. It permits reporters to dynamically build graphics directly in the news environment and ensures the assets end up in the right location. Technical directors can simply view the status of assets at a glance from the news rundown, and they can rest assured that the servers are always clean as Streamline will take care of removing expired assets once their time is past.
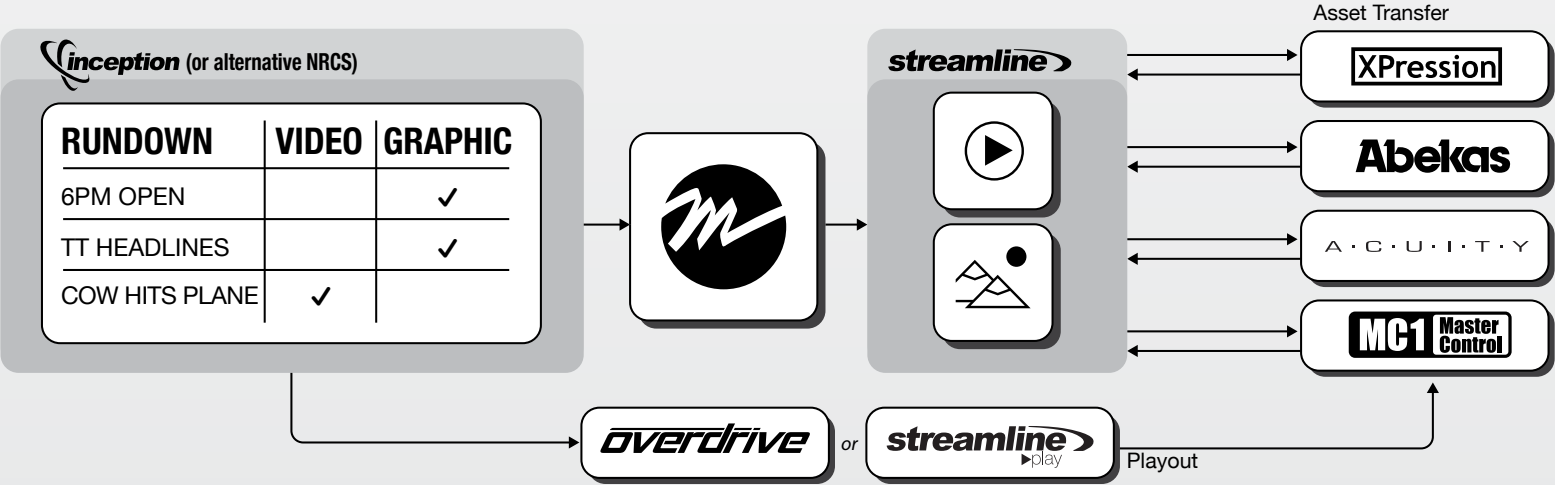
GRAPHICS MANAGER

Take control of the work in the design department using customizable views to see work orders, performance reports and available assets side-by-side. Using metadata permits you to create content for multiple stations or departments. On-air graphics can be differentiated from assets created for online or social media platforms. The Work Order view shows the status of asset requests and the time remaining before deadlines hit. To help make sound business decisions on scheduling, staffing, and workload, use reports based on real-time values for every data point in Streamline. Use an approval workflow to review submitted assets before they are available for use on-air.

Work Order Request, Fulfillment, & Linking via Placeholder

Request Asset
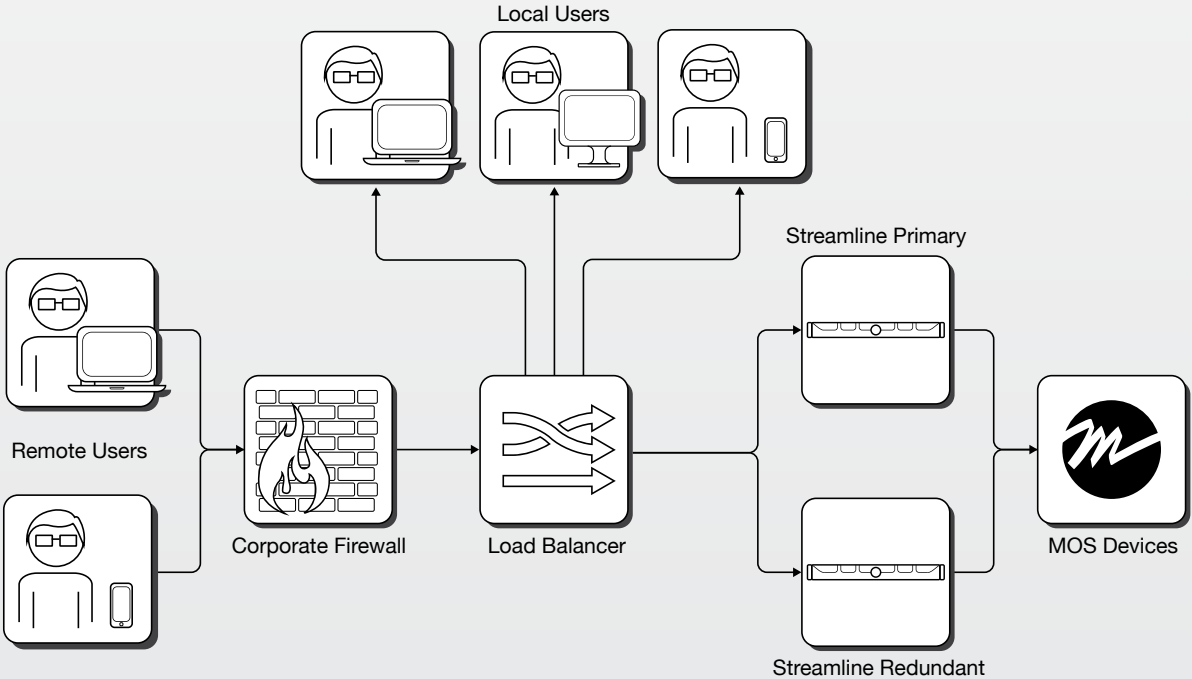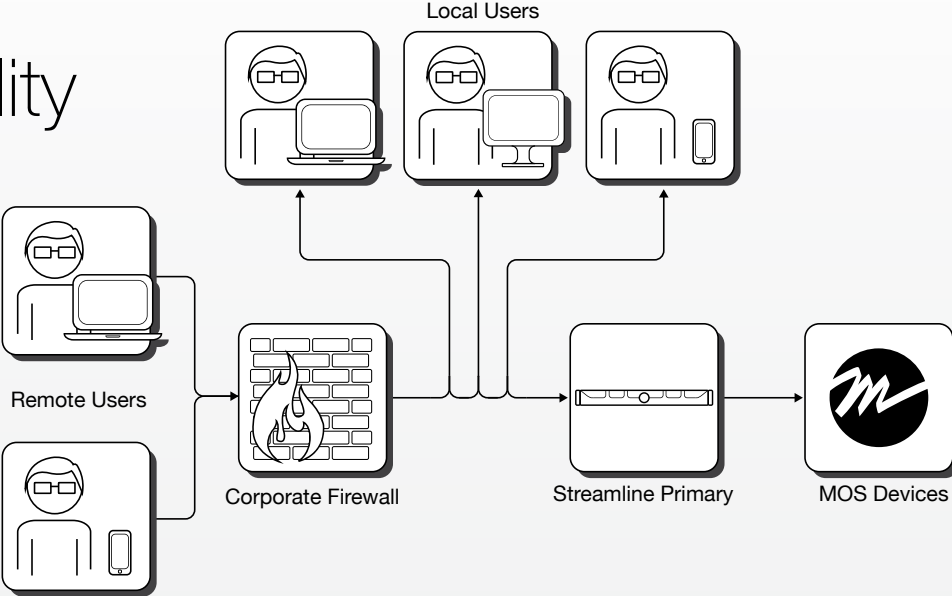
Create Work Order

Assign to a Member of the Art Department

Attach Asset

Fulfilled Work Order

Approve Asset

inception
STORY

Asset is Published

XPression
TEMPLATE

Asset Life-cycle

inception (or alternative NRCS)

RUNDOWN	VIDEO	GRAPHIC
6PM OPEN		✔
TT HEADLINES		✔
COW HITS PLANE	✔	

streamline

Asset Transfer

XPression

Abekas

A·C·U·I·T·Y

MC1 Master Control

overdrive or *streamline play*   Playout

Streamline In Your Facility

Base System

Streamline is installed on a single server in your facility, connected on a network with links to the various MOS devices, and your newsroom users via HTTP. Optionally, you can enable remote user access to Streamline via a VPN connection through your corporate firewall. The Streamline server contains both Streamline software and the required database platform.

Local Users

Remote Users

Corporate Firewall

Streamline Primary

MOS Devices

Local Users

Remote Users

Corporate Firewall

Load Balancer

Streamline Primary

Streamline Redundant

MOS Devices

Redundant System*

Users point to a loadbalancer and the databases and asset repositories are replicated across the two Streamline servers. If one server goes down, end users will not notice any interruption of service.

* Only available for Streamline Standard Edition. Not available for Express or Academic editions.

Certain redundancy options may require a specific database.

Production Organization

Work Order Management

The detailed work order management system in Streamline permits you to request and prioritize graphic and video production for your organization. Graphics managers and artists benefit from a centralized system to manage requests for images and video. Organize all of the source material in the work order, exchange notes between the person requesting the asset and the artist, review the uploaded asset and approve it before use on-air.

Extensive Metadata Tagging and Proxy

Metadata can be added using a variety of automated or manual workflows in Streamline. Adding metadata to assets in Streamline is executed using free-form text entry fields, pull-down lists or predictive text entry fields. Administrators at each facility can define the lists of choices for certain key metadata input fields to establish the consistency desired in the system. Watch folders can be used to automatically ingest assets and assign metadata. XMP metadata can also be read when an asset is uploaded and used to assign metadata. Video assets will be automatically processed with the build-in proxy generator, as well as generating a thumbnail to be attached to the video metadata and available for preview directly inside of the Streamline interface.

Asset Organization and Search

Assets in Streamline can be browsed visually or by using the associated metadata. Depending on the specific user, metadata columns may be displayed or hidden based on individual user requirements. Thumbnails may be scaled larger to give the user the visual reference they need to find the right asset for their needs. Powerful search tools and filters makes it fast for you to find assets based on metadata, types, formats, names, or tags, and quickly delve down to discover the content you are looking for.

Reporting and Analytics

Robust reporting tools in Streamline provide up-to-the-second data visualization of any metrics in the workflow process. Insights can be used to better allocate resources to the areas of greatest overall benefit to the organization. Streamline reporting provides monitoring of details like order types, deadlines, ordering trends, most ordered asset types, cycle times and more. Workflow metrics can be visualized as bar charts, line graphs, pie charts, scatter charts and also exported for use in other data analysis tools.

Powerful Workflow Tools

Integrated Image Databases

Increase efficiency with integrated access to popular graphic databases like MGN Online and AP GraphicsBank. There's no need to manage multiple logins and browser windows to find the content you need. Browse new content or search specific keywords to find timely, relevant content directly from Streamline or from an NRCS using the XPression MOS plug-in. Purchases can be reviewed and approved by a manager to ensure quality and control expenses. Once purchased, downloads will retain metadata and be easily searchable for future use.

MGN Search Function

Drag and Drop Operations

Streamline was designed from the start to simplify the asset retrieval and on-air workflows for media organizations. With seamless integration with the Ross XPression MOS plug-in for an NRCS, Streamline provides straight forward drag and drop of any asset into an XPression graphic template to quickly build production quality graphics. Now, anyone in your newsroom can create the specific graphics for your production from a pre-approved collection of assets and graphics templates.

MOS Enabled

Browse and link assets directly from your newsroom with MOS connectivity and a MOS plug-in. Browse and link assets to a story via a simple drag and drop interface, and Streamline will take care of transferring the assets to any selected destinations upon making the running order MOS active.

Streamline will also update users on the status of asset transfers by reporting status back directly into the news grid.

Placeholder Support

No asset, no problem! Streamline provides native support for placeholder creation and fulfillment. When you submit a work order request, a placeholder asset will automatically be created, and that asset can be linked against either a story or a graphic template. Once the asset is completed and approved, Streamline will automatically fulfill the asset into the appropriate graphical template or push the asset to the necessary server or target.

Enterprise Grade

Unicode Compliant

You can create metadata in any language. Streamline is a completely unicode compliant platform that can edit and store content in any unicode compliant language.

User Rights and Management

Advanced roles and permissions implementation provides a high granularity of permission delegation throughout the system. Users can be delegated various roles, of which you can attach a wide number of read, edit, or approval permissions.

LDAP and ActiveDirectory*

Centralize the management of your users and roles by linking Streamline to your corporate LDAP or ActiveDirectory system. Detailed filters permit you to target a specific subset of your directory, and when you attach permissions to LDAP groups inside of Streamline, you'll never have to manage users outside of your corporate directory again.

* Optional feature for all editions of Streamline.

Multiple Database Engines*

There is standard support with Streamline for multiple database engines, including PostgreSQL, MySQL, SQL Server, and Oracle, so that you can leverage your existing technology investment and build into your current environment.

* Only available for Streamline Standard Edition. Not available for Streamline Play or Streamline Academic editions. Certain redundancy options may require a specific database.

Streamline Edition Specs

Streamline Play can be added with media asset management to enable MOS workflows for almost any video server or graphics solution. In addition to managing graphic assets, Streamline also ingests and organizes your clips. Using a MOS plug-in in an NRCS, users can create placeholders or browse for existing clips. Video assets in a rundown are pushed to the video server such as Abekas Mira. The Streamline Play client monitors changes to the NRCS rundown, provides status and controls the playout of videos servers and graphics.

	STREAMLINE EDITIONS		
	PLAY	ACADEMIC	STANDARD
Concurrent Users			
Included Users	10	10	10
Maximum Users	25	100	100
System Features			
Browser Based	•	•	•
Instant Messaging		Optional	•
E-mail Alerts and Notifications		•	•
User Roles and Permissions	•	•	•
Custom Metadata		•	•
iPad Support	•	•	•
Accessible Anywhere	•	•	•
Workflow Features			
Watch Folder Ingest	•	•	•
XMP Metadata		•	•
Preview Proxy	•	•	•
Asset Approval	•	•	•
Work Order Management		•	•
Placeholder Support	•	•	•
Push to Target Device	•	•	•
Playout Control - Video*	•	Optional	Optional
Playout Control - CG	Optional	Optional	Optional
Reporting Engine		•	•

*Included for Ross Video devices, third party video servers are optional

	STREAMLINE EDITIONS		
	PLAY	ACADEMIC	STANDARD
Supported Media Services			
MGN		•	•
AP Graphics Bank		•	•
MOS Services			
MOS Placeholders	•	•	•
NRCS HTML5 Plug-in	•	•	•
Management Features			
LDAP/Active Directory	Optional	Optional	Optional
Users Rights and Management	•	•	•
Support for SSL Encryption	•	•	•
HTTP Proxy Support	•	•	•
Redundancy	Optional	Optional	Optional
Database Support			
PostgreSQL	•	•	•
MySQL	•	•	•
Oracle	•	•	•
SQL Server	•	•	•

MOTION GRAPHICS

XPRESSION | Studio, BlueBox, Prime, Go!, Designer, Developer, Quad
XPRESSION CLIPS
XPRESSION TESSERA
XPRESSION MAPS
XPRESSION TELESTRATE
XPRESSION TOUCH FACTORY
XPRESSION BRAND IT
XPRESSION TICK IT

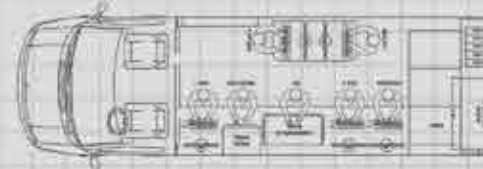## CREATIVE SERVICES

ROCKET SURGERY | Graphics Creation

OPENTRUCK

OPENTRUCK | Flight Case through 40-foot Truck Designs

CAMERAS

ACID CAMERA | H200-UCHR, Z50-UCHR
PIVOTCAM | PIVOTCam-20

PRODUCTION SERVICES

ROSS MOBILE PRODUCTIONS

ASSET MANAGEMENT

STREAMLINE

CHROMA KEYING

ULTRACHROME HR

*Carbonite Black Chassis with UltraChrome HR Software

STUDIO IN A BOX

GRAPHITE | All-in-One Live Production Vehicle

INFRASTRUCTURE

ULTRIX ROUTER | 16x16-72x72
NK ROUTER | 16x4 -144x144
OPENGEAR | Modular Signal Processing
MASTER CONTROL | MC1 openGear Card, MC1 Panel
NIELSEN | Watermarks Encoder

STUDIO VIDEO-OVER-IP | AIMS-compliant Gateways & Control
GEARLITE | Point of Use Signal Processing
AUDIO MONITORING | MB 651, MB-652
MASTER SYNC & REFERENCE | SRG-2200, SRG-4400, ACO-4400

NEWS & SOCIAL MEDIA

INCEPTION NEWS | Academic, Express, Standard, Enterprise
INCEPTION LIVE
INCEPTION SOCIAL
INCEPTION.CLOUD
HORIZON

CONTROL SYSTEMS

OVERDRIVE | Express, Prime, Premium
OVERDRIVE + GRAPHITE
DASHBOARD
LIGHTNING CONTROL SYSTEM

IP TECHNOLOGY

OEM PRODUCTS | Market Ready Modules & System-on-Chip

VIDEO SERVERS, REPLAY & DELAY

ABEKAS MIRA | Replay Systems
ABEKAS TRIA | Production Servers
ABEKAS AIRCLEANER | Live Events Delay

ROBOTICS

FURIO SE LIVE | Live Head, SE Dolly and SE Lift; PanBar and Joystick Controls
FURIO SE STUDIO | VR100, VR600 Heads; SE Lift and SE Dolly; SE BlackBird
CAMBOT | 520PT, 600PT, 700PT Heads; 800 PTZ; 600XY & 700XY Free-Roaming Peds
SMARTSHELL | Robotic Camera Control System

VIRTUAL & AUGMENTED REALITY

TRACKLESS VIRTUAL
UX VIRTUAL TRACKING SYSTEM
FRONTIER

PRODUCTION SWITCHERS

ACUITY | Panel: A1s, A2m, A2x, A3m, A3, A4 Frame: 4RU, 8RU
CARBONITE BLACK | Panel: C1, C1s, C2, C2s, C3s, C3x Frame: 2RU
CARBONITE BLACK PLUS
CARBONITE BLACK PLUS 12G
CARBONITE BLACK SOLO

ROSS VIDEO
Production Technology Experts

streamline ⟩

Ross Video has a complete range of technical services available to ensure that your Streamline installation is a success.

Operational Training can be provided at Ross Video, on-site or on the web. Experienced Ross operators will teach your staff to get the most out of your new system, and enhance your productions.

Commissioning is a service to help get your system properly configured, connected and installed. This service is performed by factory trained Ross technical staff.

Technical Training can be provided at Ross Video, on-site or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

Streamline comes standard with a 1 year comprehensive warranty. **Extended Warranties** on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video – **Included for the life of your system.**

Contact Us

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Technical Support
Emergency: +1 613 349-0006
Email: techsupport@rossvideo.com

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ROSS VIDEO
LIVE PRODUCTION EXPERTS

SOLUTIONS
Broadcast & Production
Augmented Reality & Virtual Sets
Sport & Live Events
Legislative
Mobile Production
House of Worship
Education
Corporate

PRODUCTS
Production Switchers
Motion Graphics & Clip Servers
Replay & Production Servers
Robotic & Camera Systems
Control Systems
Routing Infrastructure
Signal Processing Infrastructure
News, Live & Social Production Management
Media Asset Management

SERVICES
Creative Services
Mobile Production

ROSS®
LIVING LIVE!