

# streamline

## XPression Graphics Media Asset Management Solution



## MEDIA ASSET MANAGEMENT

Uniquely integrated into Ross Video workflow tools, Streamline has been designed from the ground up for seamless integration with Ross' groundbreaking XPression Real-Time Motion Graphics System as well as the Ross Inception News Room system. Inception Newsroom users can browse and order assets from within Inception, using the integrated Streamline user interface. XPression newsroom users are able to fulfill templates by drag-and-drop of existing assets in Streamline or using the Streamline New Asset Order form to request new assets.

## ASSET BROWSING

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 the individual user's requirements. Thumbnails may be scaled larger to give the user the visual reference they need to find the right asset for their needs.

## OPTIONAL LDAP/DIRECTORY INTEGRATION

Streamline can be linked to an Active Directory or LDAP server to create and manage user accounts. User accounts may also be added to user groups or roles based on data in the AD/LDAP server.

## REPORTING TOOLS

Real-time reporting in Streamline generates up to the minute data on assets, users, and orders to improve the utilization of resources in the organization. Workflow metrics can be visualized as bar charts, line graphs, pie charts, scatter charts and also exported for use in other data analysis tools.

The screenshot displays the Streamline software interface, which is divided into several functional areas:

- Reporting Tools (Left Panel):** Features a 'Reports' section with a 'Settings' panel for report class, type, and graph options. Below this is a 'Grouped By' section and a 'Filter' section. A bar chart titled 'Total # of Assets vs Category' shows data for Image, Other, Video, and No Category. The chart shows a high volume of Image assets (around 1,800) and a much lower volume for Other (around 300), Video (around 100), and No Category (around 50). The last run was on Aug 13 at 14:54:28.
- Asset Browser (Middle Panel):** A table listing assets with columns for Thumbnail, Name, Category, Description, Show, Station, and Tags. The table includes assets like 'jenkins-1.514.zip', 'Violet Full of Euros.jpg', 'Amsterdam.jpg', 'Heart Beat.jpg', 'Canadian Money.jpg', 'Fire.jpg', and 'Soccer Goals.jpg'. The 'Amsterdam.jpg' asset is highlighted.
- Work Order Dashboard (Bottom Middle Panel):** A table listing work orders with columns for Asset Thumbnail, Name, Status, Requested, Due, Assignees, and Priority. The table shows one work order for 'President at Pol...' with a status of 'Assigned' and a due date of 2014-08-26 at 12:00:00 AM.
- Metadata Editor (Right Panel):** A form for editing the metadata of the selected 'Amsterdam.jpg' asset. It includes fields for Name, Description, Tags, Show, Type, Category, Station, Content Region, Project, and Event. The 'Description' field contains 'City Scene' and the 'Tags' field contains 'Amsterdam, Beauty Shot'.

## METADATA

Adding metadata to assets in Streamline is executed using free-form text entry fields, pull-down lists or predictive text entry fields. The metadata types dictate the input format used.

Administrators at each facility can define the lists of choices for certain key metadata input fields to establish the consistency desired in the system,

Ordering new assets is done using a minimal number of input fields to expedite the request process.

## WORK ORDER DASHBOARD

At a glance, be aware of the work orders currently being processed in the Streamline server. Filter the work orders and sort them by details that help to manage the resources in your facility and always know the status of every order, even out of the corner of your eye.

## WEB SERVER INTERFACE

Streamline is a web server that is located within a facility. It may be shared with registered users on the network and can be used within Ross Video product workflows as well as by users in website, print, mobile or video production workflows. Rather than require installation of client software, Streamline is accessed as a webpage. This means that if the server is upgraded, there isn't a requirement to push new client installations to end-user desktops.

Streamline is built upon the same user experience as Ross Video's Inception Newsroom System. Ross Video customers who already utilize Inception will find the interface familiar and simple to use. First time users of Ross Video workflow tools will find the interface to be highly intuitive, and easy to learn. Streamline's user interface is also highly customizable. Each component of the Streamline workflow is displayed in a separate panel.

## ASSET DETAILS PANEL

The Streamline Asset Details panel is used to display metadata input fields for individual assets.

Once an order is placed, the Work Order Details panel is used to review information about the order or to update the information in the order.

User rights based on logon accounts; can be used to control access to update information in these fields or just allow read-only access to the information in the fields.

## STATUS BAR

Displays system status, logon and connection information.

The screenshot displays the Streamline web interface. At the top is a menu bar with icons for Assets, Reports, Work Orders, Tools, Help, and Logout. Below the menu bar is a toolbar with icons for Save, Delete, Edit Mode Disabled, Download, Upload, Details, and Auto Refresh Enabled. The main content area is divided into two panels. On the left is the 'Asset Details' panel for 'Heart Beat.jpg', showing a thumbnail of a heart with an ECG line and a metadata form with fields for Name, Description, Tags, Show, Type, Category, Station, Content, Region, Project, and Event. On the right is a table of assets with columns for Thumbnail, Name, Category, Description, Show, Station, Tags, Type, Approv..., and Date Modified. The table contains several rows of asset information, including 'Amsterdam.jpg', 'City Scene', 'Chalk Drawing, Health R...', 'Canadian, Cash, Money', and 'Fireman at a house fire'. A mouse cursor is hovering over the 'City Scene' row. At the bottom of the interface is a status bar showing system status, logon information, and connection details.

Thumbnail	Name	Category	Description	Show	Station	Tags	Type	Approv...	Date Modified
	Amsterdam.jpg	Image	City Scene	4:30PM	WROS	Amsterdam, Beauty Shot	City Scene	✓	2014-05-12 at 2:43:4
	Heart Beat.jpg	Image	Heart beat imagery	4:30PM	WROS	Chalk Drawing, Health R...	OTS	✓	2014-05-12 at 2:47:5
	Canadian, Cash, Money	Image	Canadian, Cash, Money	4:30PM	WROS	Canadian, Cash, Money	OTS	✓	2014-05-12 at 2:47:3
	Fireman at a house fire	Image	Fireman at a house fire	12PM	WROS	Fire, Fireman, House fire	OTS	✓	2014-05-12 at 2:49:4

## MODULAR WORKSPACES

Open an available panel from the Menu bar and drag it to the middle of the screen where a panel placement tool assists in adding the panel to the interface. Once the panels are placed in the desired configuration, the setting can be named and saved as a new Perspective for later recall. Custom Perspectives allow for workflow specific views which Streamline users can share with each other. Switching between different Streamline Perspectives on the fly provides the ability to customize the user experience to the task that is being performed.

## MENU BAR

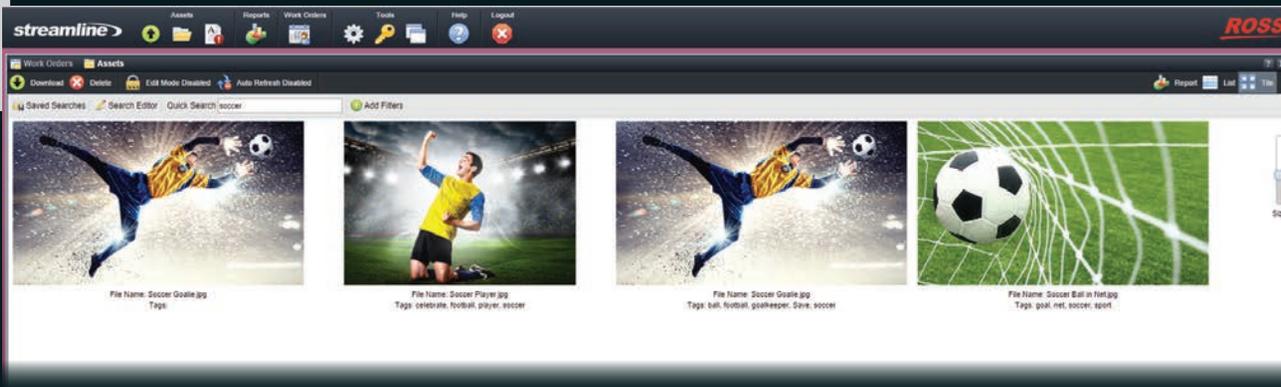
The menu bar provides access to the functional panels of the user interface. The logon account used to access Streamline provides rights to enabled items in the user interface.

## COLOR CODED STATUS INFO

The Streamline user interface utilizes color-coding to provide status updates on the Work Order dashboard, at a glance.

Streamline orders which are closing in on pending deadlines can be set to change colors to alert users of the pending deadline.

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# BROWSE

Simply browsing the thumbnails of assets in Streamline could expose the right image.

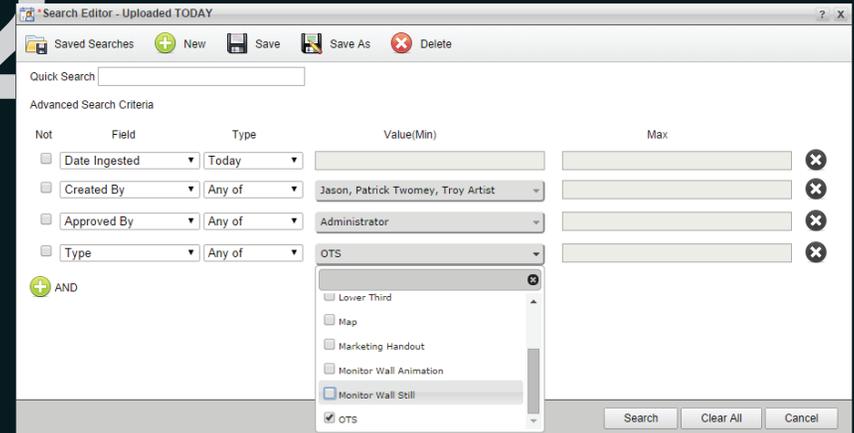
However, the Quick Search filter on the Asset Toolbar can help filter down the number of assets to only those that contain the same string of text in the metadata.

# SEARCH

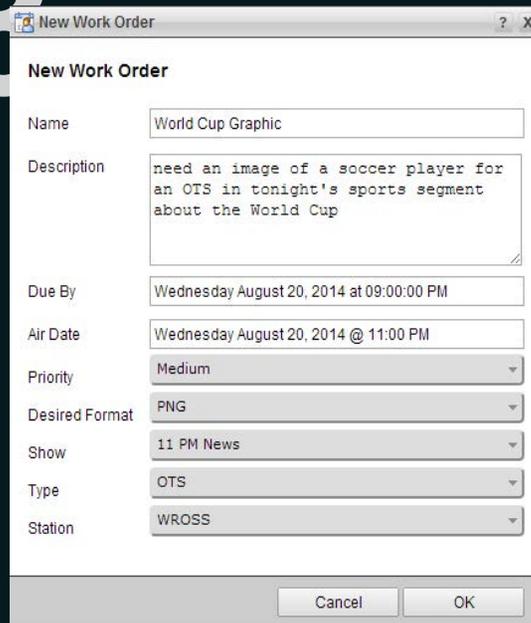
Advanced Search capabilities allow for filtering results based on a simple search filter construction of characteristics of desired asset metadata.

Create an advanced search filter on items such as: dates, file metadata, asset type metadata, users, asset status and file types.

Once a successful search filter has been created, it may be saved and recalled at a later time. Saved Searches may also be shared with other users as part of a collaborative workflow.



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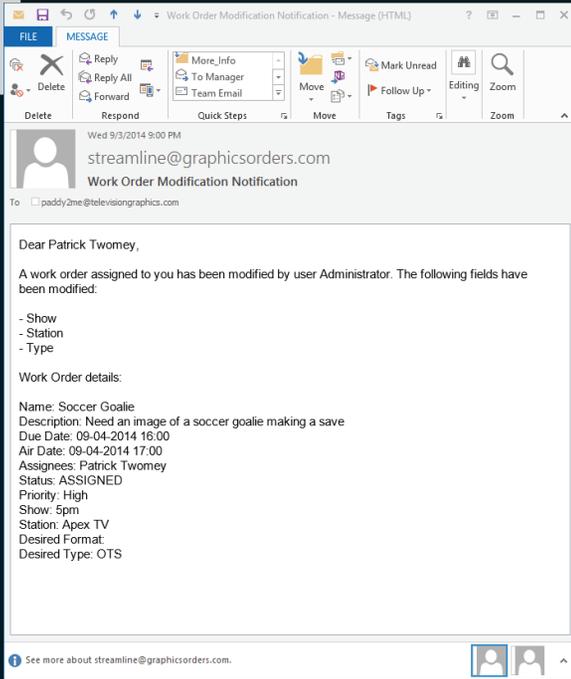


# ORDER

Streamline allows users to request new assets or modification of existing assets to suit a specific need.

The Order Management System in Streamline allows users to request new assets via a web page and for artists to fulfill the orders electronically. Order requests are tracked and status updates are provided via email alerts and also displayed in Streamline's work orders dashboard.

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# UPDATES

Streamline provides users with status updates any time an order they are associated with changes.

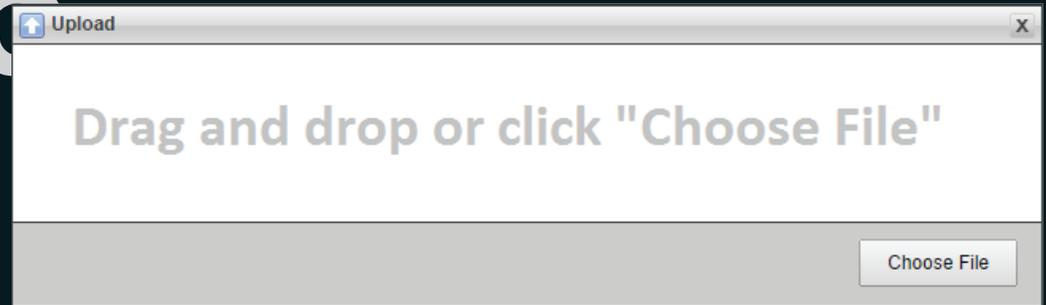
Emails are sent when an order is assigned to a user, or when an order is modified, approved, rejected or completed.

# UPLOADS

Artists create assets using common software tools and save the file. Once the asset is ready to be attached to an order, an Upload dialog window appears with a Drag and Drop Target or a file browse function.

Once an asset is uploaded to Streamline, it is associated with the order and all the metadata in the order.

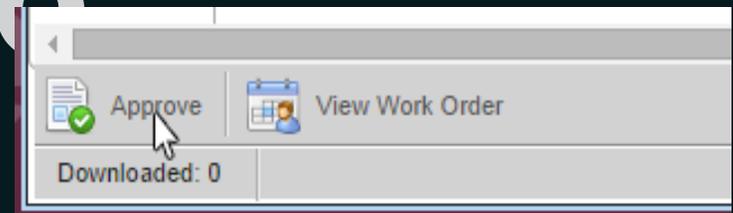
5

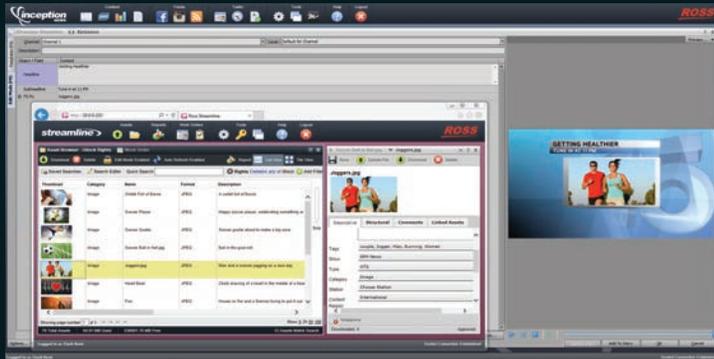


# APPROVE

Once the completed asset is attached to the Streamline Work Order and reviewed, the asset can be approved and then published to the Streamline database. The approved assets are moved to a local cache folder where other users and XPression Graphics engines can retrieve them for immediate playout to air.

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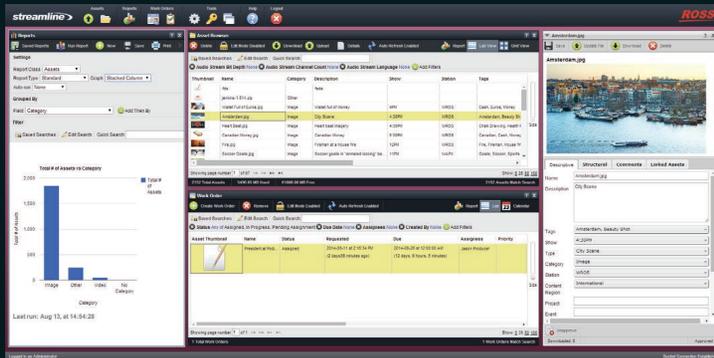




## XPRESSION NEWS USERS

Streamline empowers newsroom clients with a self-service graphics workflow in order to communicate their story while reducing the number of touch-points or time required acquiring the proper assets. All the assets in the facility are available for the XPression Newsroom user to search, browse and drag into an XPression template.

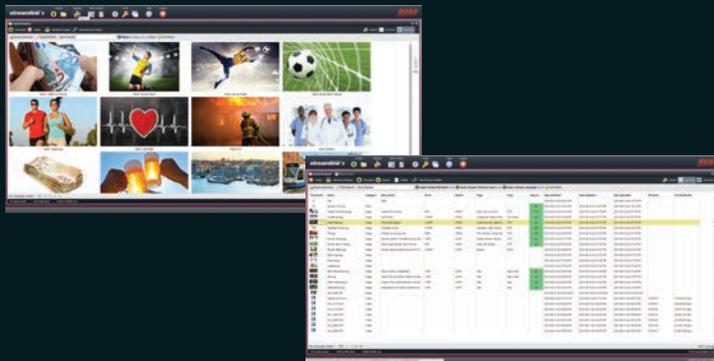
XPression News users can open a template from an active XPression project and use Streamline to create an order for a new asset to fulfill their graphic. The Streamline order form will provide a drag icon that the XPression News user drags into their template to complete the graphic. Now the graphic can be dragged into the script and the newsroom user can move on to other tasks.



## GRAPHICS MANAGER

Take control of the work in the art department. Streamline keeps you up to date with the graphics, the graphics team and their workload. Selecting the proper Perspective displays the true statistics of the creative team at any point.

Viewing the Assets in the database and being able to identify them based on the associated metadata provides a powerful tool when the phone rings for a last minute request for an asset. The Work Order view shows the status of asset requests and the time remaining before deadlines hit. Make sound business decisions on scheduling, staffing, and workload, the Report window can visualize statistics, based on real-time values for every data point in Streamline.



## ARTISTS AND PRODUCERS

Enable users to get the job done with the best tools possible. Streamline has a highly customizable user interface, which allows 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

**SERVER GRADE CHASSIS** | 1 RU chassis designed for easy access to components and for airflow for effective and efficient cooling

**LCD STATUS DISPLAY** | Displays status on fan, power and temperature alarms, disk and LAN activity

**USB 2.0** | (2 front & 2 rear mounted) allow quick connect of external storage devices and keyboard/mouse

**SLIMLINE DVD ROM DRIVE** | Front mounted for software installations

**HARDWARE RAID** | PERC H710 Integrated RAID Controller

**INTEL XEON PROCESSOR** | E5-1410 v2 2.80GHz, 10M Cache, Turbo capable

**4 HOT-SWAP DRIVES** | 16TB (4x4TB) 7.2K RPM SATA 3Gbps 3.5in in RAID5 configuration designed for 24/7/365 operation. Ross Video and Dell combine to provide the highest flexibility in sourcing spares

**MOUNTING** | Standard EIA 19inch rackmount kit with rails included

**DUAL GIGABIT LAN** | Suitable for high-performance server applications and file transfers

**REDUNDANT POWER** | Hot-swap fully redundant power supplies

**FAULT TOLERANT FANS** | reduce downtime allowing for a fan replacement within 360 hours of a fan failure.



## Specification

Current consumption

Supply voltage

Frequency

Heat dissipation (BTU/hr max)

Maximum inrush current<sup>2</sup>

## Redundant 350W

4.8–2.4A

100–240VAC<sup>1</sup>

50/60Hz

1356

55A

<sup>1</sup>Auto-ranging.

<sup>2</sup>Under typical line conditions and over the entire system ambient operating range, the inrush current may reach 55A per power supply for 10ms or less.

# ROSS

Production Technology Experts

# streamline

## Streamline Care

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 Streamline 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 12 month comprehensive warranty. Extended Warranties on Streamline are available for an annual fee.

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

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## Ross Video Limited

8 John Street  
Iroquois, ON, Canada KOE 1 KO

Telephone: + 1 613 652-4886  
Fax: + 1 613 652-4425  
Email: [solutions@rossvideo.com](mailto:solutions@rossvideo.com)  
Website: [www.rossvideo.com](http://www.rossvideo.com)

## Technical Support

Emergency: + 1 613 349-0006  
Email: [techsupport@rossvideo.com](mailto:techsupport@rossvideo.com)

## Ross Video Incorporated

P.O. Box 880  
Ogdensburg, NY, USA 13669 0880

## Ross Europe BV

Media Park, Gateway D  
Sumatrallaan 45,  
Hilversum, 121 ?GP  
Netherlands

## Ross Video Australia

24/49 Corporate Blvd  
Bayswater, VIC, 3153

## Australia

Ross Robotics  
Rue des Veterinaires, 42  
Brussels, Belgium

## Ross Virginia

210 25th St.  
Virginia Beach, VA  
23451



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Routing Systems



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