

Getting Started

Before using the StreamHub application for the first time, and so that it operates properly, please make sure that:

- The server is installed in accordance with the instructions in the [Installation and Configuration Guide](#) .
- The network interfaces of the server are properly configured according to your network architecture.
- The downlink and uplink speeds of the StreamHub are sufficient for your use.
- The network is properly configured: the router, firewall or proxy server to which is connected the StreamHub server allows traffic over required TCP and UDP ports.

Contents

- [Connecting to the Web Interface](#)
- [Touring the Interface](#)

Connecting to the Web Interface

To connect to the StreamHub interface:

1. Make sure that the StreamHub server is turned on.
2. Open a web browser on any computer connected to the Internet. We recommend using Google Chrome™ or Firefox.
3. In the address bar, enter "http://" or "https://" followed by the public IP address for StreamHub.
 - When accessing the StreamHub using http, append ":8888" to the URL to specify that port 8888 should be used instead of the regular HTTP port (80). For instance, if your public IP address is 109.190.1.25, enter "http://109.190.1.25:8888".
 - When accessing the StreamHub using HTTPS, the default port (443) is used, so you won't need to specify it in the URL.
Please note that accessing the user interface with the default certificate using HTTPS implies bypassing security settings in the browser.
 - If the StreamHub server is connected to the same local network as the computer you are using, you can use the local IP address of the StreamHub.



Note

Please see the [\(4.4\) Installation & Configuration Guide](#) for information about getting the StreamHub IP address.

4. Sign in to the web interface.

**Note**

When opening the application for the first time, you are asked to:

1. Add the license you received.
2. Log in with the default **admin** credentials (username = admin / Password = password)
3. Change the default **admin** password to be authorized to continue.

**Important**

- In the event that a user entered a wrong login or password too many times, the account to the web interface is locked. However, it does not log out the Administrator and user(s) who are already logged in. To be able to log in to the web interface again, see the procedure to [\(4.4\) Unlocking Accounts](#).
- In case the administrator account is closed when the user account has been locked, you should turn off and on the server. Once the server has restarted, the administrator can log in and unlock accounts (see [\(4.4\) Unlocking Accounts](#)).

Touring the Interface

The StreamHub interface layout consists of a top navigation bar, a main central screen, and a bottom status bar.

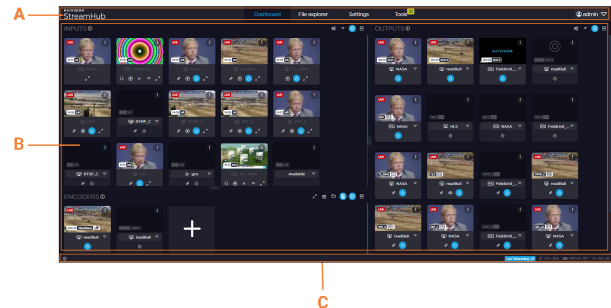
A The navigation bar at the top of each screen provides:

- 4 tabs that allow you to switch between the various interface screens
 - [Dashboard Screen](#)
 - [File Explorer Screen](#)
 - [Settings Screen](#)
 - [Tools Screen](#)
- the Account menu

B The main central screen for viewing and performing various StreamHub tasks.

C The status bar along the bottom of each screen gives easy access to:

- Info Panel ⓘ that provides information on the current number of users, firmware version, IOS version, hardware ID (if applicable), public IP address, and local IP address.
- Quick view of any transcoding activities.
- Realtime CPU, Memory, and Disk usage information.



Dashboard Screen


After signing in, StreamHub opens to the Dashboard screen. The Dashboard is where you perform a majority of your day-to-day tasks. These involve setting up inputs, encoders, and outputs for your various transmissions. The dashboard screen is split into three (3) sections:

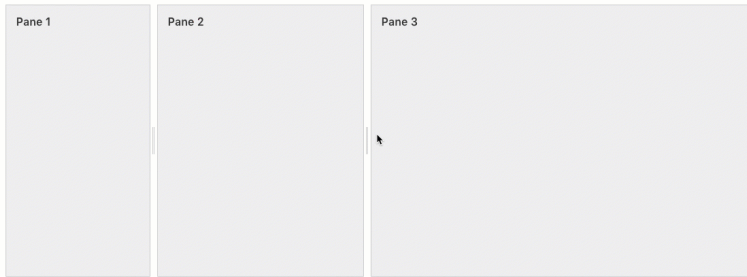


- A** Inputs section
- B** Encoders/File Explorer section
- C** Outputs section

Each section is comprised of:


- Toolbar of icons representing the available actions with a blue version of the icon indicating a current selection.

- Section  resizing handles to manually adjust the container.







- Thumbnails representing the available devices, sources, and outputs appropriate for that section. See [Thumbnails](#) for a quick overview of actions available from a thumbnail.

Inputs Section


The Inputs section  is where you manage your:



- Streams coming from field units (using SST protocol). Field units connected directly to StreamHub automatically appear in this section.
- Streams coming from third-party IP sources (using RTSP, HLS, RTMP, TS, SRT, and NDI protocols).
- Recorded files that may have been stored on the server.

Inputs toolbar includes:






-  IP Input Profiles
-  Filter – select between any combination of types (devices, IP Profiles, Multi-View) and states (Off, On, Live)
-  Thumbnail view
-  List view

Encoders/File Explorer Section


The Encoders/File Explorer section  is where you can adapt encoding formats to IP destination profile requirements or explore files stored on StreamHub.

- To view the File Explorer in this section, click the  icon.
- To view the Encoders in this section, click the  icon.

The Encoders/File Explorer toolbar includes:





-  (Encoders only) Encoder Profiles – add, search, and edit profiles
-  Switches to File Explorer (with search) view
-  Switches to Encoder view
-  Thumbnail view
-  List view

Outputs Section



Outputs section  is where you can manage various outputs:

- SDI physical outputs.
- NDI over IP.
- IP destinations towards third-party devices (using RTSP, HLS, RTMP, TS, and SRT protocols)

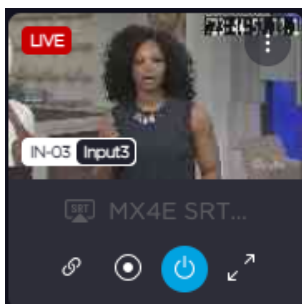
Output toolbar includes:

-  IP Output Profiles
-  Filter - select between any combination of types (Hardware, NDI, IP Profiles) and states (Off, On, Live)
-  Thumbnail view
-  List view

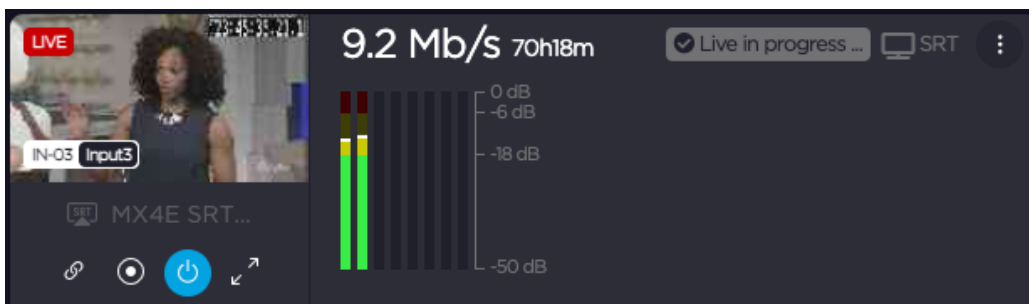
Thumbnails

Depending upon the view selected for the section, thumbnails appear on the Dashboard as either  icons or  large icons (which includes additional stream and audio information). Examples of icon and large icon thumbnails are shown below:

Icons



Large Icons



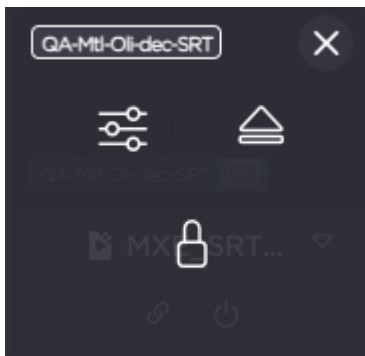
Thumbnail Actions









Available actions for thumbnails will vary depending upon the type of thumbnail. From the thumbnail itself, you can initiate a number of actions.

1 Option Menu


The **☰ Options** menu (located in the top right corner of the thumbnail) opens a panel of available actions to choose from.

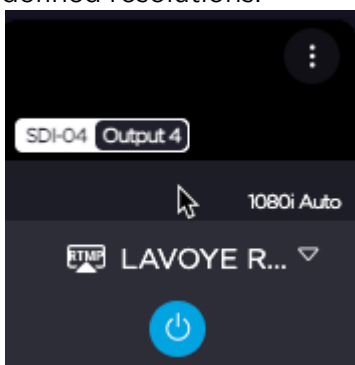


Typical actions include:

-  Access to settings
-  Eject the device
-  Remote control to the device web interface
-  Eject Video return
-  Access to profile settings
-  Lock the output

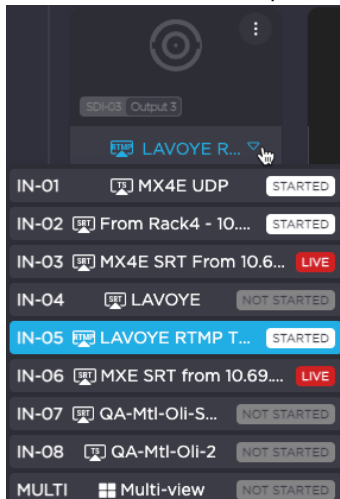
2 I/O Capsule

Hover over the  I/O capsule overlaying the stream preview to pop up the currently defined resolutions.



3 Device Dropdown

Click the Device dropdown menu to reveal the various channels/inputs etc.









4 Thumbnail Toolbar Actions

Along the bottom of the icon is a thumbnail Toolbar of action icons.

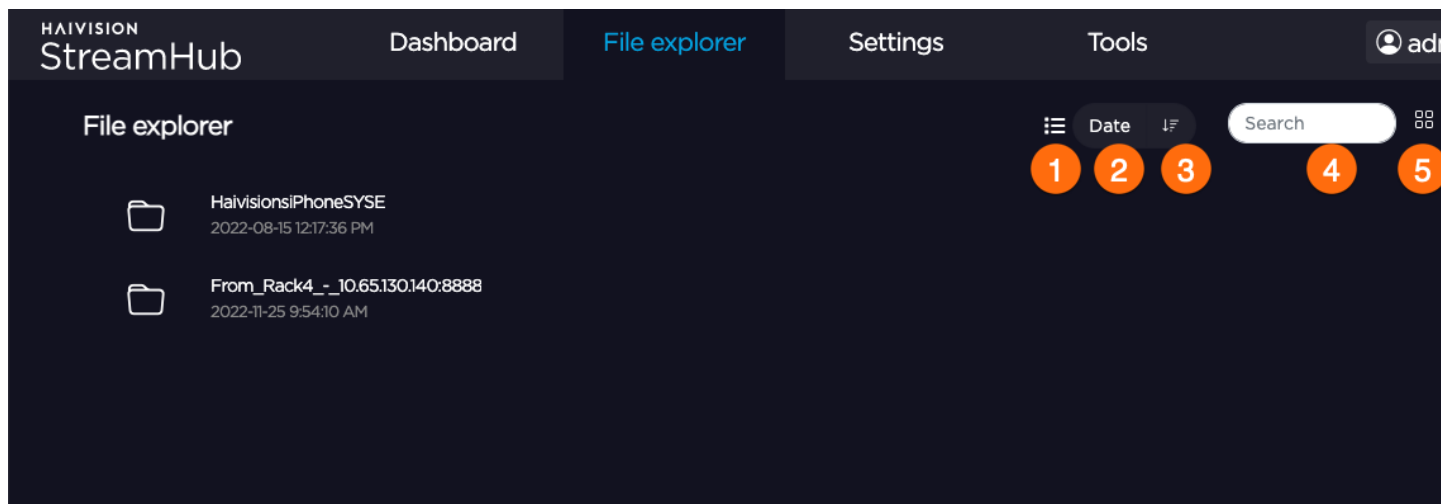


Common actions include:

-  - Initiate Intercom
-  - Links to Public and Local URLs
-  - Record
-  - Enable
-  - Expand/Collapse Details
-  - View Preview with Audio (FullScreen)

File Explorer Screen

The File Explorer allows you to browse the available files.



- 1 Multi-Selector
- 2 Filename or Date Sort Toggle
- 3 Sort Order (↑ ascending or ↓ descending)
- 4 Search field
- 5 Thumbnail view
- 6 List view





Settings Screen

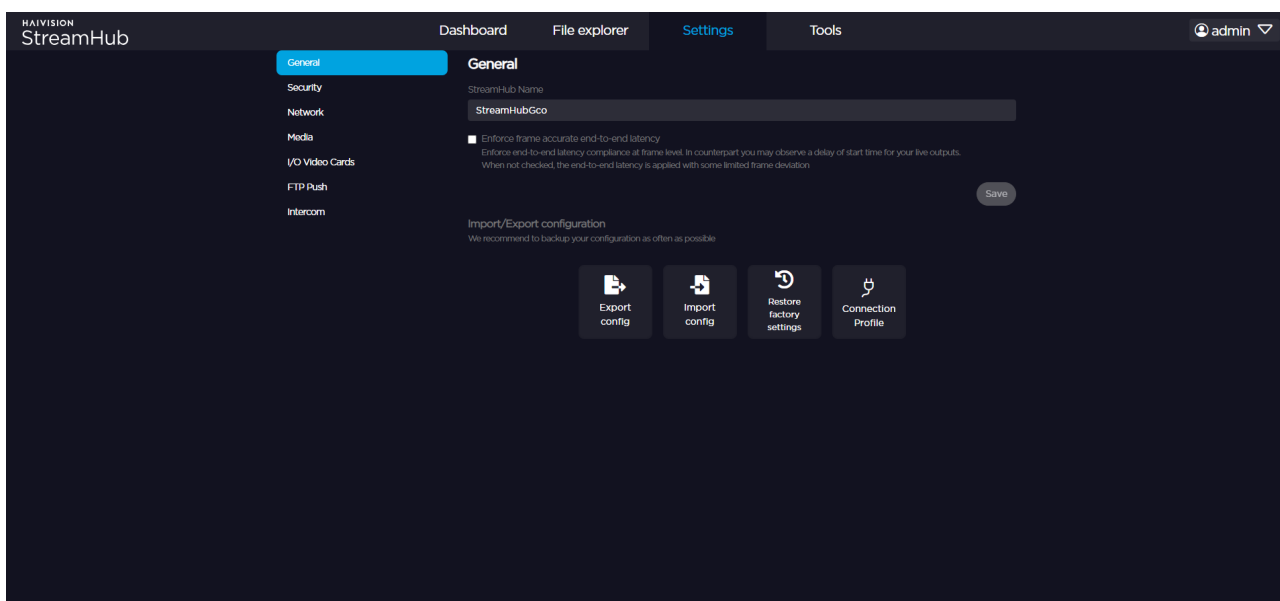
The Settings screen gives you access to menus for performing various configuration settings:

- [General](#)
- [Security](#)
- [Network](#)
- [Media](#)
- [I/O Video Cards](#)
- [FTP Push](#)
- [Intercom](#)

General

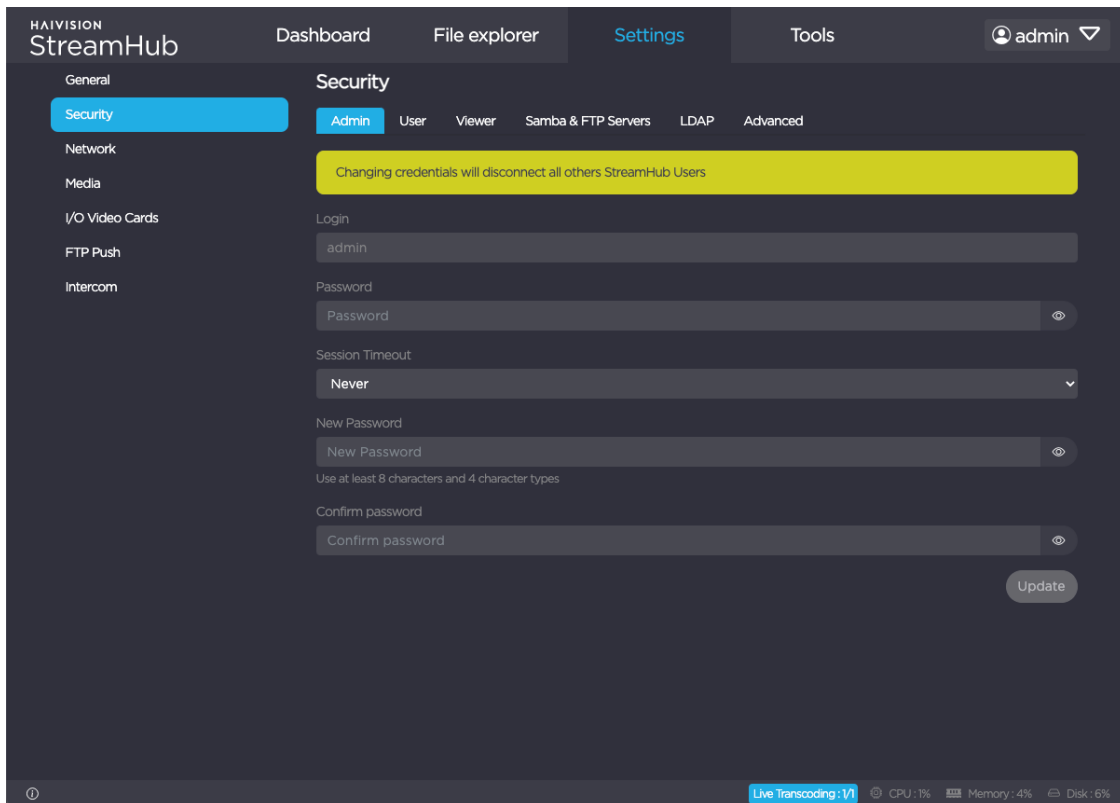
In addition to being able to update/revise the StreamHub name (see [\(4.4\) Changing the StreamHub Name](#)), with a quick click of a button, you can also:

- **Enforce** the frame accurate end-to-end latency
-  **Export Configuration**, see [\(4.4\) Managing the Configuration](#).
-  **Import Configuration**, see [\(4.4\) Managing the Configuration](#).
-  **Reset Factory Settings**, see [\(4.4\) Restoring the Default Configuration \(Factory Settings\)](#).
- Edit the  **Connection Profile**, see [\(4.4\) Getting the Connection Profile](#).



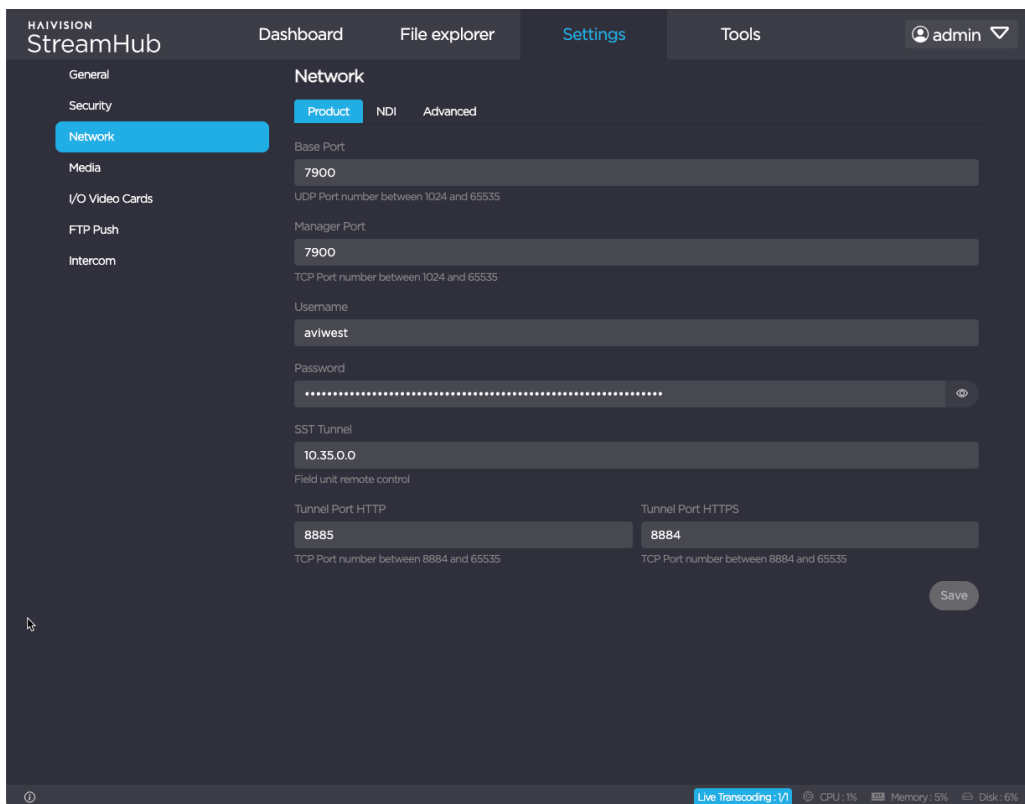
Security

This **Security** menu allows you to manage various access rights and settings to the application.



Network

This **Network** menu allows you to manage various network settings. See [\(4.4\) Configuration Settings](#) for details.

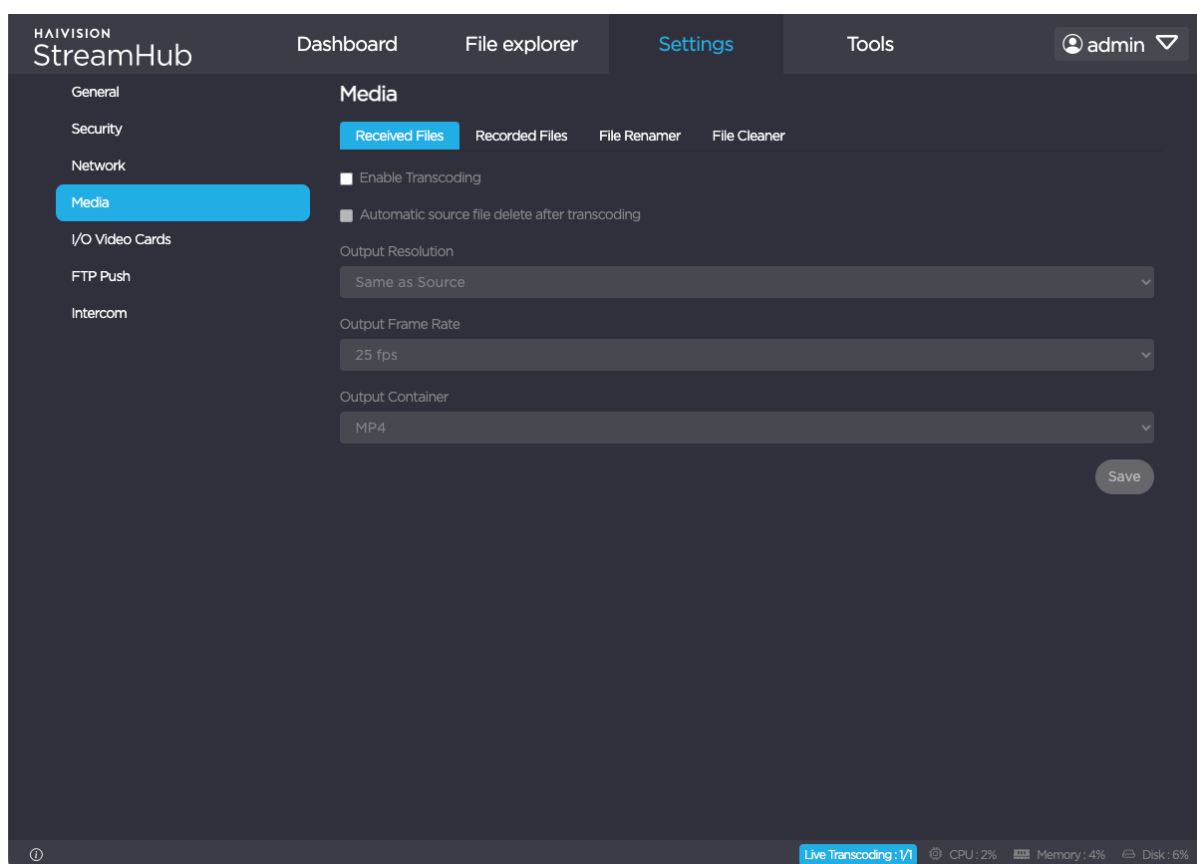


Media

The **Media** menu allows you to manage files that StreamHub deals with. Tabs at the top of the screen give you access to the different options.

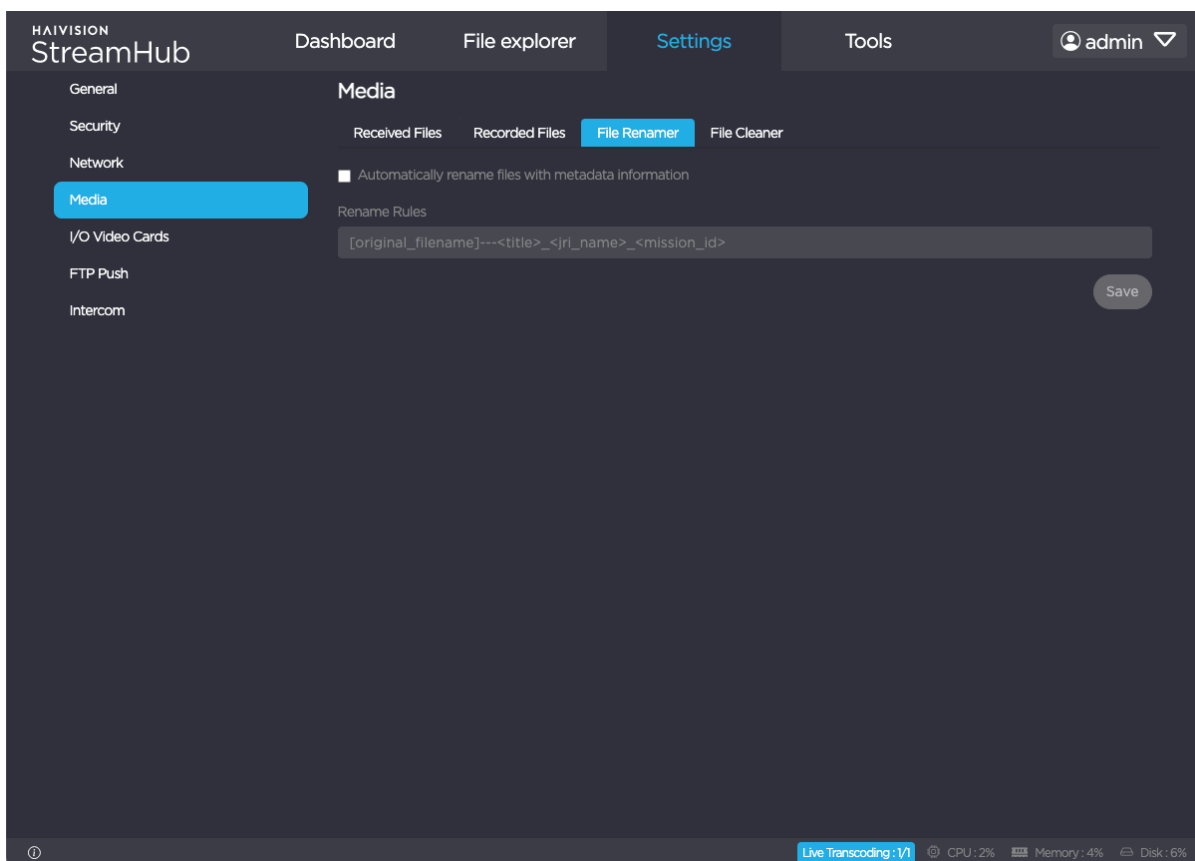
Received and Recorded Files Tabs

The Received Files and Recorded Files tabs allow you to automatically transcode all video files forwarded and recorded by field units. See [\(4.4\) Configuring the Media Transcoder](#) for more details.



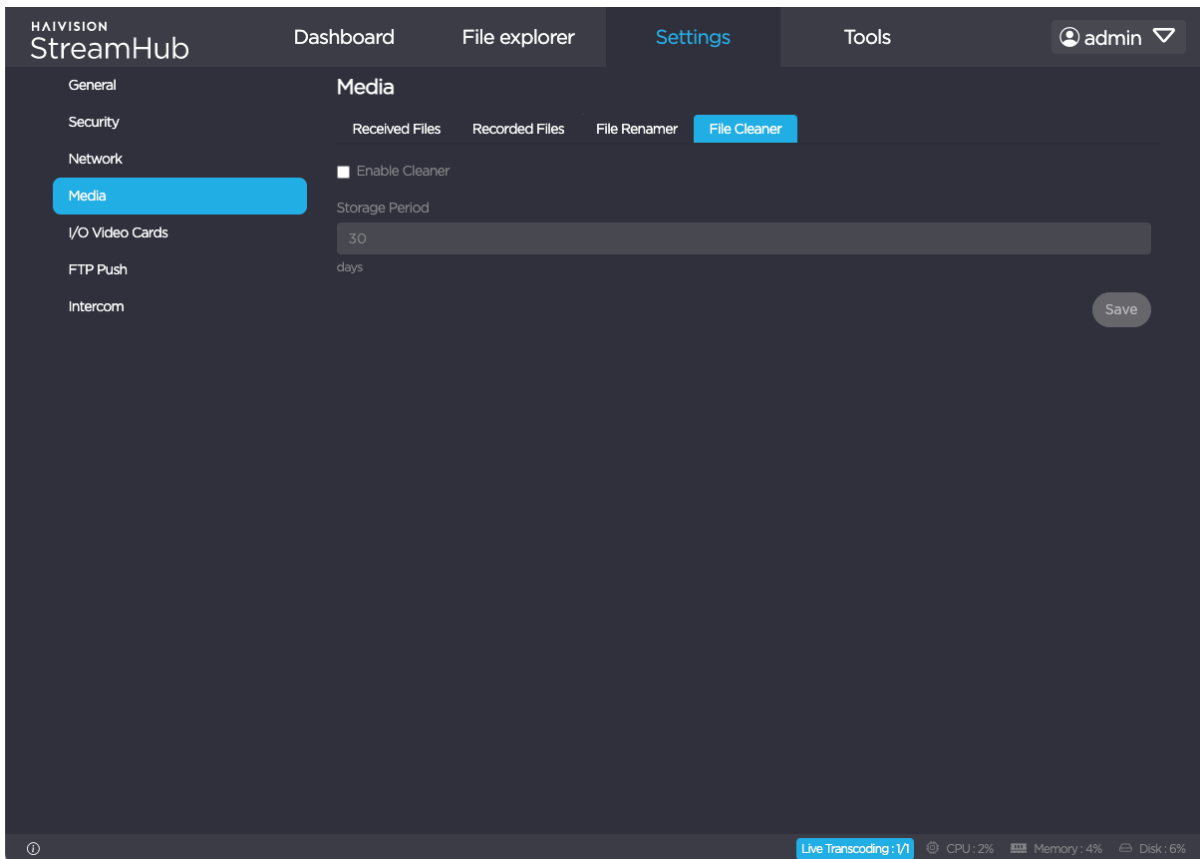
File Renamer Tab

The File Renamer tab allows you to rename files using metadata information. See [\(4.4\) Renaming Files using Story-Centric Workflow Metadata](#) for more details.



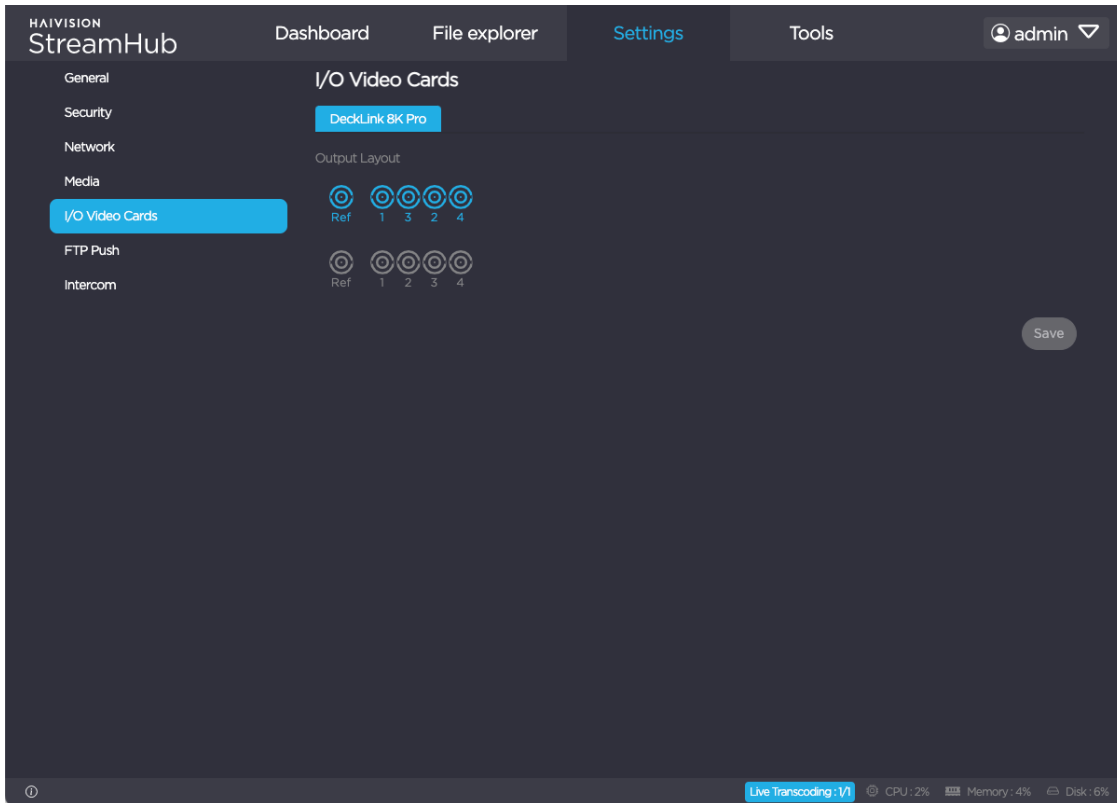
File Cleaner Tab

The File Cleaner tab allows you to enable StreamHub to automatically delete files on the server after a certain period of time. See [\(4.4\) Enabling the Media Cleaner](#) for details.



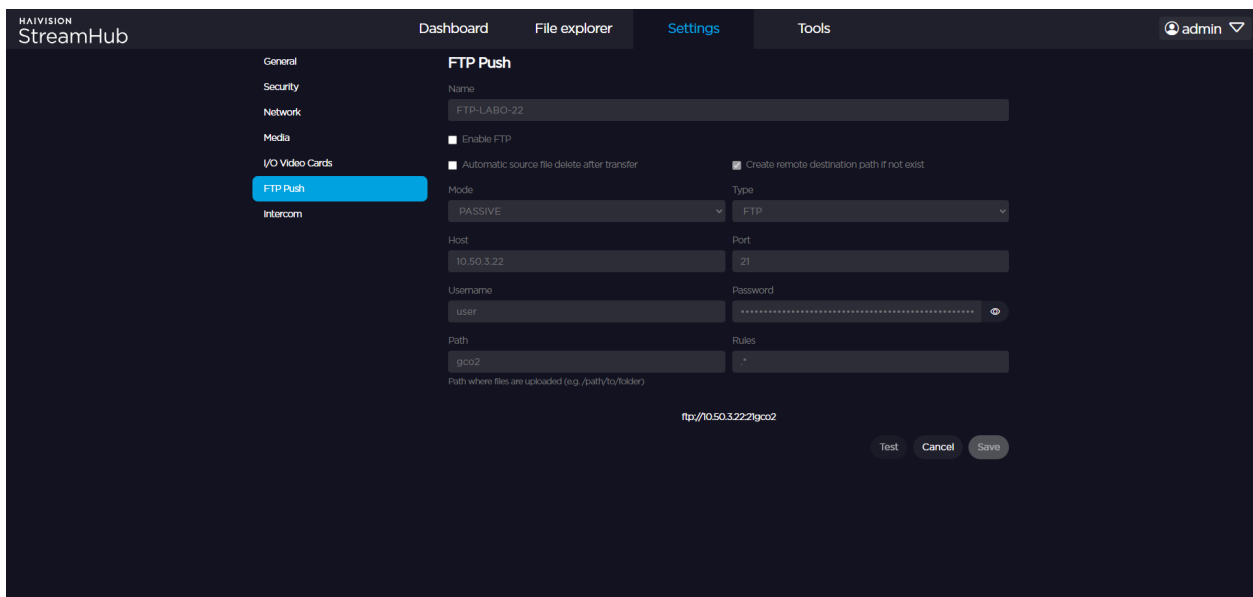
I/O Video Cards

The **I/O Video Cards** menu is used to configure the server video cards. See [\(4.4\) Configuring Output Cards](#).



FTP Push

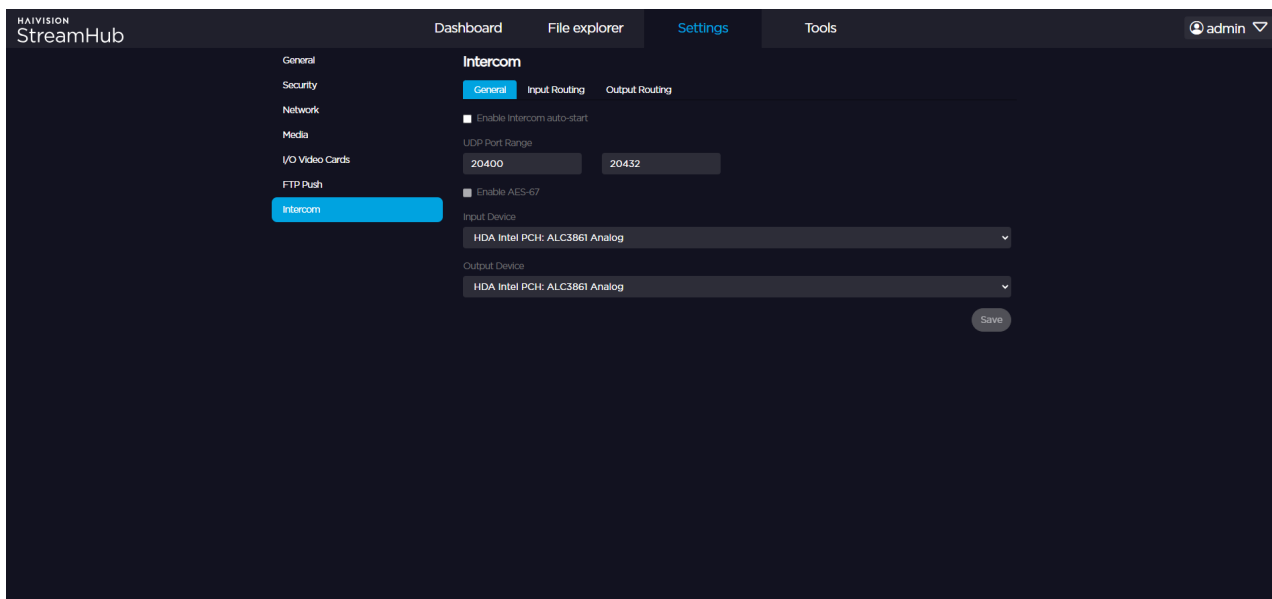
The **FTP Push** menu is set the StreamHub as a FTP client. See [\(4.4\) Configuring StreamHub as an FTP Client](#).



Intercom

The Intercom menu is used to set an intercom for a communication with a transmitter, such as Air, Pro, Rack, or MoJoPro. See [\(4.4\) Setting up the Intercom Function](#) for more details.

Providing that your license includes the AES67 Intercom option (audio protocol over IP network), you can configure it via the Intercom menu.



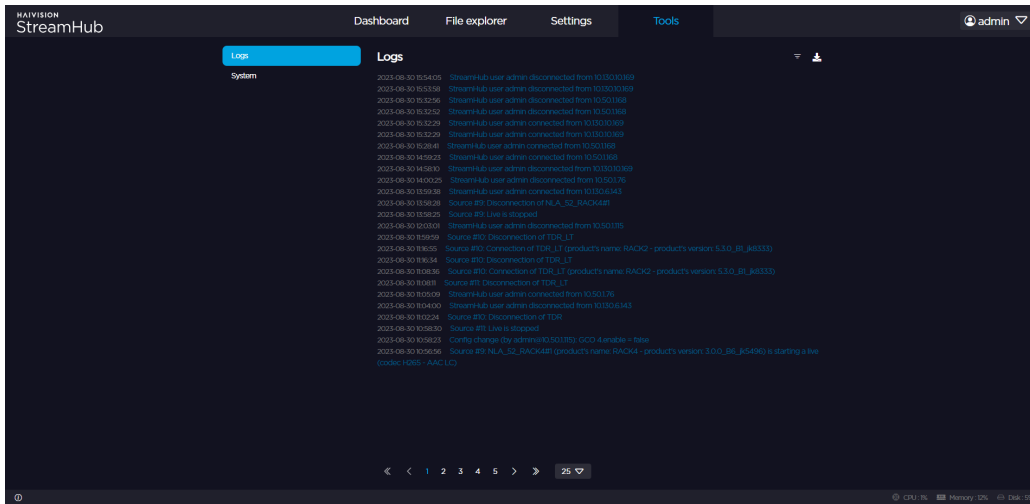
Tools Screen

The Tools screen gives you access to menus for viewing logs and maintaining the system.

- [Logs](#)
- [System](#)

Logs

The Logs menu shows the system logs, allowing filters and downloading. See [\(4.4\) Viewing the Logs](#).



System


Under the System menu, you maintain StreamHub and verify performance of your server.


See the following topics for more information:


- [\(4.4\) Accessing the System Information](#)
- [\(4.4\) Restarting the StreamHub Application](#)
- [\(4.4\) Rebooting the StreamHub Server](#)
- [\(4.4\) Halting the StreamHub Server](#)
- [\(4.4\) Updating the StreamHub Application](#)
- [\(4.4\) Updating the Video Card Firmware](#)
- [\(4.4\) Getting a Report File](#)


System


Processor: Intel(R) Xeon(R) CPU E5-2690 0 @ 2.90GHz
 Intel GPU Capability: No
 Firmware Version: 4.3.0


 CPU
53%


 Memory
17%
 used of 15.62GiB


 Disk
21%
 used of 96.65GiB



Restart StreamHub


Reboot Server



Halt Server


Update StreamHub


Update Video Card Firmware


Get report

Network

 Network 1

44 Mb/s
 ↓ Input traffic

584 Kb/s
 ↑ Output traffic

Port speed: 10 Gb/s
 Private IP: 10.65.254.86

Decoding Capabilities

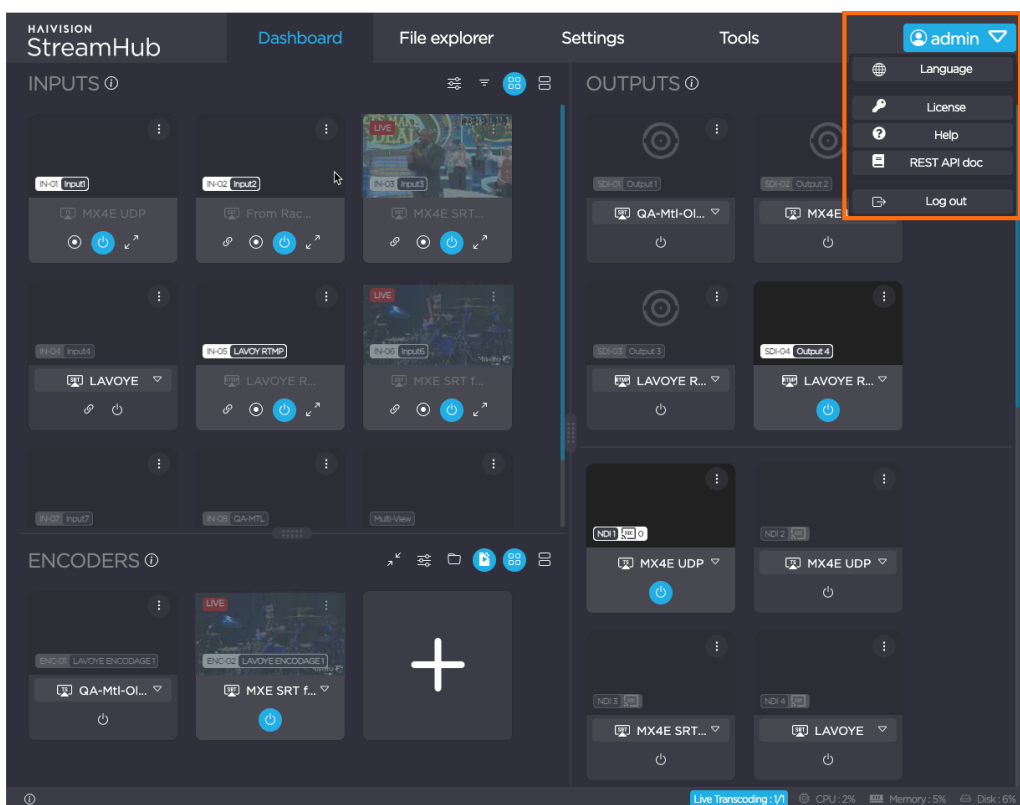
Change target bitrate to evaluate decoding capabilities

20 Mb/s

	SD	HD	Full HD	UHD
Maximum Decoded Stream Count	3	2	1	0
Without Transcoding	PAL / NTSC	1080i59.94 / 720p59.94	1080p59.94	UHD 59.94 4:2:2 10 bits

User Menu

In the top right corner, the dropdown menu allows you to change the operating language, access the license details (see [\(4.4\) Checking the License](#)) and apply a new license (see [\(4.4\) Applying a License on the StreamHub](#)), access the Haivision support portal, access the REST API documentation, and log out of StreamHub.



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