

NEXIS

YS -UHD01

User Manual



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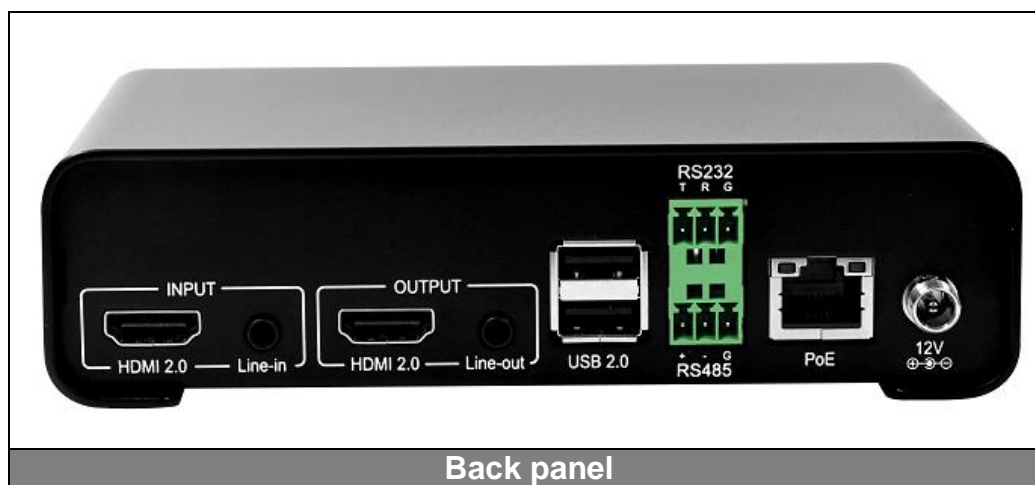
1. PRODUCT INTRODUCTION

1.1. Product Brief

YS-UHD01 provides HDMI 2.0 and HDMI 2.0 loop through in one device.



In front panel, YS-UHD01 provides USB3.0 interface for user to record input in various formats. It also provides record, stream...etc. selection button in front panel.



In back panel, YS-UHD01 provides RJ45 for internet, RS232/485 connectivity; YS-UHD01 also provides PoE for user to power the device.

User can void local UI interface by USB mouse right click, and control YS-UHD01 by USB keyboard/mouse.

1.2. Specification

Model	YS-UHD01
Max. FPS	3840x2160p@60/50fps
Recording Mode	Hardware Compression
Product Photo	
Input Interfaces	Video 1xHDMI2.0 Audio 1x3.5mm stereo analog audio
Output Interface	Video 1xHDMI2.0 Audio 1x3.5mm stereo analog audio
Video Feature	<ul style="list-style-type: none"> ● H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile ● Configurable Bit Rate Up to 64Mbps ● Support input / output resolutions <ul style="list-style-type: none"> ➢ 3840x2160p@60/50fps ➢ 3840x2160p@30/25/24fps ➢ 1920x1080p@60/50fps ➢ 1920x1080p@30/25/24fps ➢ 1280x720p@60/50fps ➢ 1280x1024p@60fps ➢ 1280x960p@60fps ➢ 1024x768p@60fps ➢ 800x600p@60fps ➢ 640x480p@60fps ➢ 720x480p@60fps ➢ 720x576p@50fps
Audio Feature	<ul style="list-style-type: none"> ● AAC-LC ● Configurable bit rate range from 32Kbps to 384Kbps ● Sample rate : 48KHz, 16bit, Stereo

Network Feature	<ul style="list-style-type: none"> ● 1xRJ45 for 10/100/1000Mbps Ethernet ● DHCP client
Support Streaming protocol	<ul style="list-style-type: none"> ● NDI Support ● RTSP over UDP/TCP/Multicast/HTTP ● RTMP public (web portal) ● **TS over IP ● **HLS ● ** optional by customer request
Misc. Features	<ul style="list-style-type: none"> ● Web UI for system configuration ● Firmware upgradable ● LED indicator ● Status with Power Recycle ● 1xUSB3.0 (For Keyboard and mouse usage) ● 2xUSB2.0 (For USB HID device usage) ● 1xRS232 + 1xRS485
Record Format	MP4 / TS / MOV

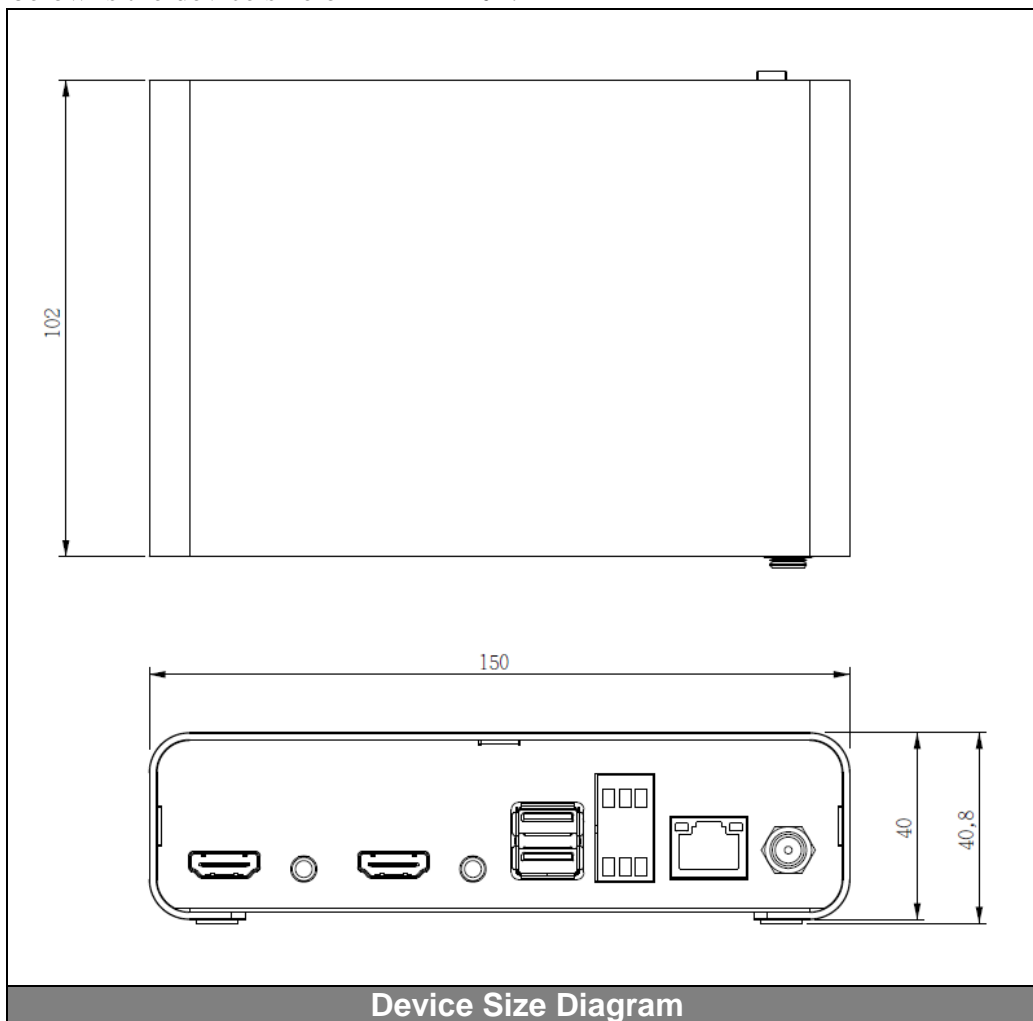
2. HARDWARE INSTALLATION

2.1. Package Contents

Item	Amount
YS-UHD01	1
Adapter	1

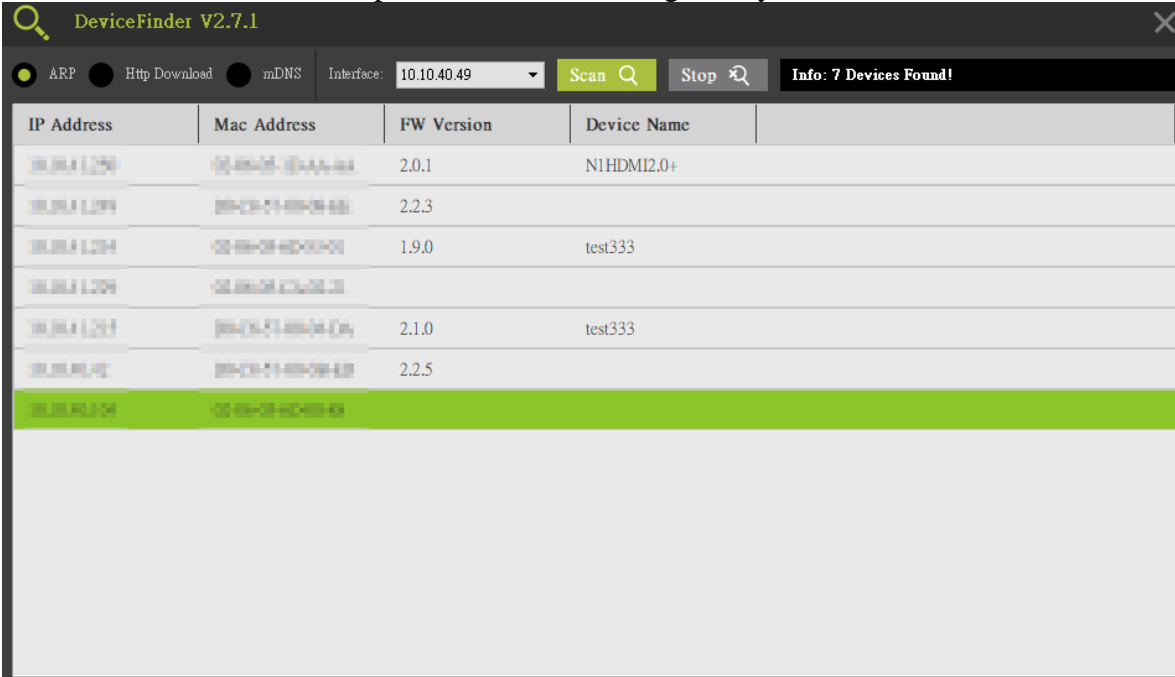
2.2. Device Size

Figure below is the device size of YS-UHD01.



3. IP Finder

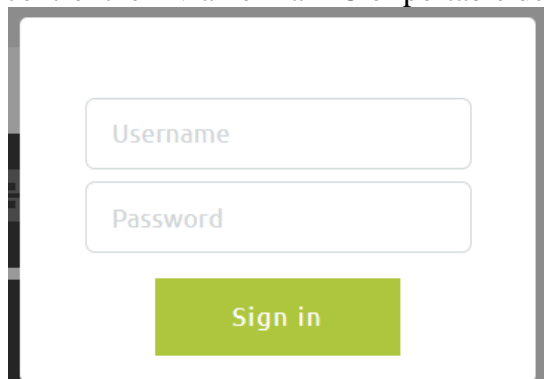
For using YS-UHD01 Web UI, please open IP finder and search for the ip address to open control interface. The correct ip address can be distinguish by MAC address.



IP Address	Mac Address	FW Version	Device Name
10.10.1.201	08-00-06-1E-4A-4A	2.0.1	NIHDMI2.0+
10.10.1.209	88-C8-71-89-08-8E	2.2.3	
10.10.1.204	08-00-08-4D-00-0E	1.9.0	test333
10.10.1.208	08-00-08-C7-0E-2E		
10.10.1.203	88-C8-71-89-08-C6	2.1.0	test333
10.10.1.202	88-C8-71-89-08-8B	2.2.5	
10.10.1.204	08-00-08-4D-00-0E		

4. WEB UI

Web UI is the internet interface for user to control YS-UHD01 more convenient, users can control them via normal PC or portable devices (EX: Android, iPhone, iPad...etc.)

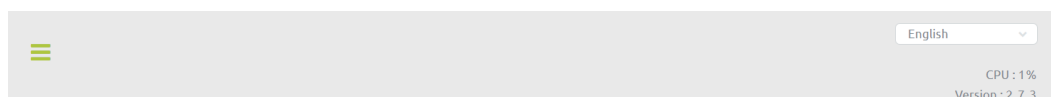


A login form with two input fields: 'Username' and 'Password', and a green 'Sign in' button below them.

Username: admin

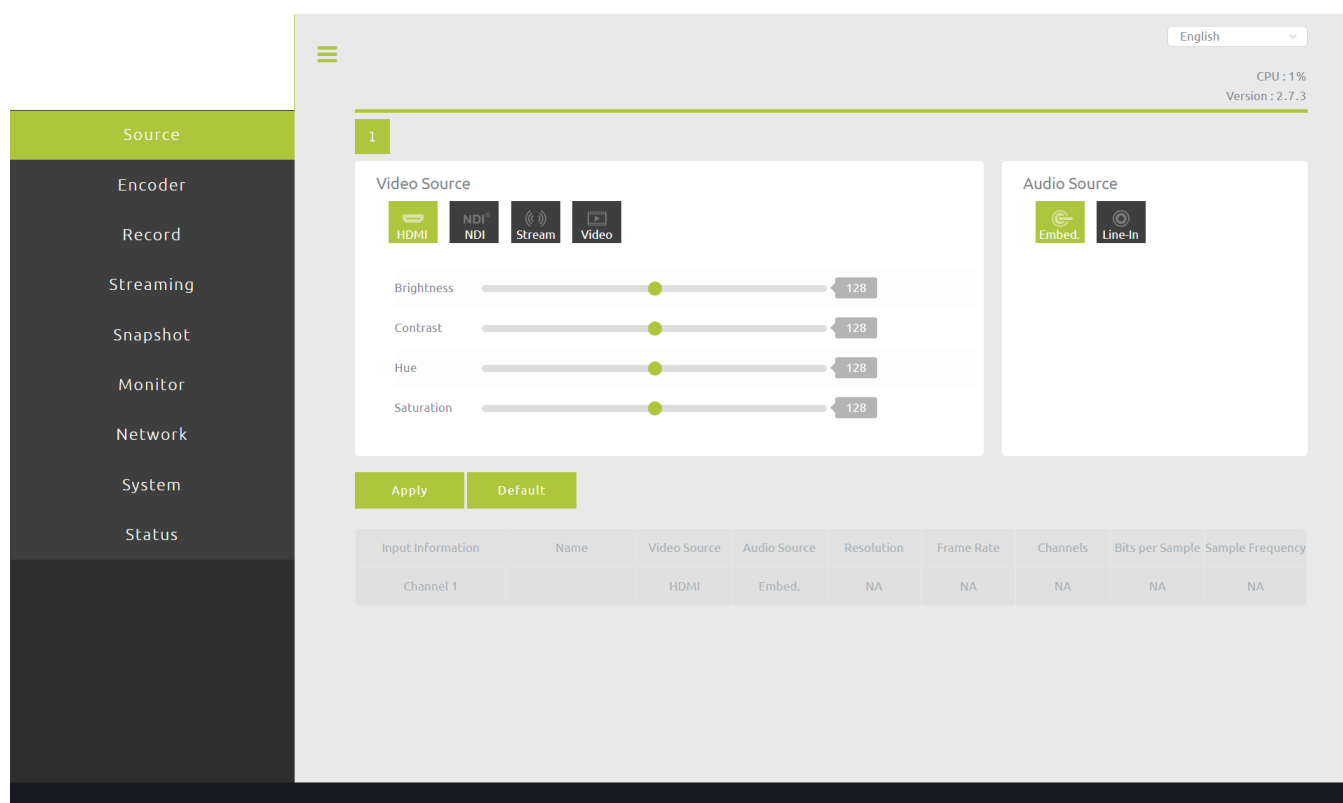
Password: 0000

4.1. Language / Firmware



On the top, here are web UI language selection and Firmware version / MCU version. User can change Web UI language here.

4.2. Source



The 'Source' configuration page features a sidebar menu with options: Source, Encoder, Record, Streaming, Snapshot, Monitor, Network, System, and Status. The main content area is divided into 'Video Source' and 'Audio Source' sections. The 'Video Source' section includes icons for HDMI, NDI, Stream, and Video, and sliders for Brightness, Contrast, Hue, and Saturation, each with a '128' value. The 'Audio Source' section includes icons for Embed. and Line-In. Below these sections are 'Apply' and 'Default' buttons. At the bottom, a table displays input information for Channel 1.

Input Information	Name	Video Source	Audio Source	Resolution	Frame Rate	Channels	Bits per Sample	Sample Frequency
Channel 1		HDMI	Embed.	NA	NA	NA	NA	NA

This page contains **input signal status**, input **Video Source** and **Audio Source** selection. Users can change input video property, source and check input video information here.

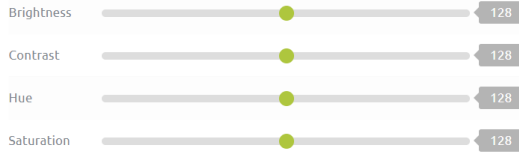
4.2.1. Video Source (HDMI2.0)

Video Source



Here displayed usable video input interfaces.

Video quality adjust can support on HDMI input interfaces.



4.2.2. Video Source (NDI)



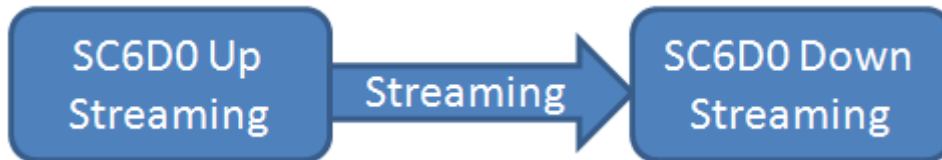
Group

Name

Delay Duration

When enter NDI feature, YS-UHD01 will automatically scan the same domain, NDI stream will automatically appears here.

4.2.3. Video Source (IP Stream)



For YS-UHD01 up streaming, please enter the **Streaming** page and follow the following information (The IP address will vary by environment, please check IP finder to make sure the IP address.).

Video Source



Source URL UDP ▾

Account Password

Delay Duration Reconnection Timeout (ms)

Here are different stream receiving setting. All supported formats are listed as below.

1.RTSP

rtsp://[account]:[passwd]@[ip]:[port]/[session name].mpg

Example: rtsp://root:root@10.10.41.228:556/session0.mpg

2.RTMP

rtmp://[ip]/[session name]

Example: rtmp://10.10.41.189/live

3.HLS

http://[ip]/hls/[CH]/[Session name].m3u8

Example: http://10.10.41.228/hls/3/session0.m3u8

4.TS Unicast

udp://[localhost]:[port]

Example: udp://10.10.41.189:556

5.TS Multicast

udp://234.0.0.1:[port]

Example: udp://234.0.0.1:556

6.NDI

NDI Name

7.SRT Listener

srt://[ip]:[port]

Example: srt://10.10.41.228:1202

Delay Duration: Select delay latency for reception.

-1ms: Ultra low latency (RTSP only)

0ms: Low latency

1~1000ms: Latency

Reconnection Timeout (ms): Select time duration for timeout reconnection.

Please set the value more than 500ms

※For Streaming example, please check **chapter 4.5** for further information.

4.2.4. Internal File (Video, Picture)

Video Source



File Source

File Replay

YS-UHD01 can also play files inside flash disk, please attach the flash disk and select the file to

play it.
Support format: H264, H265
File type: mp4, mov, ts
Audio format: AAC

4.2.5. Audio Source

Audio Source



In audio source block, user can select audio input source from **Embedded** HDMI audio or 3.5mm audio source (Embedded audio is the same as selected video interface).

4.2.6. Input Signal Status

Input Information	Name	Video Source	Audio Source	Resolution	Frame Rate	Channels	Bits per Sample	Sample Frequency
Channel 1		HDMI	Embed.	3840x2160p	60.00	0	0	0

In input information block, user can check signal status and signal format.

4.3. Encoder

The screenshot displays the Encoder configuration interface. On the left is a dark sidebar with navigation options: Source, Encoder (highlighted), Record, Streaming, Snapshot, Monitor, Network, System, and Status. The main content area is light gray and contains two encoder configuration panels: Main Encoder and Sub Encoder. At the top right, there is a language dropdown set to 'English', and system status indicators for 'CPU : 1%' and 'Version : 2.7.3'. A green bar with the number '1' is visible above the Main Encoder panel. Both panels have identical settings: Resolution (4K for Main, 640 * 480 for Sub), Frame Rate (60.00 for Main, Same as Input for Sub), Type (H.265 for Main, H.264 for Sub), Profile (Main), Level (Level 41), Entropy (CABAC), GOP (5), Video Bitrate (32 M for Main, 8 M for Sub), Custom Video Bitrate (0), Crop-X (0), Crop-Y (0), Crop-Width (0), Crop-Height (0), Audio Frequency (48kHz), Audio Bitrate (256 K), and Color Range (Full Color). At the bottom of the configuration area are 'Apply' and 'Default' buttons.

Encoder page contains **Main Encoder** and **Sub Encoder**, which allows user to change video and audio encode.

4.3.1. Main Encoder/Sub Encoder

Main Encoder

Resolution	Frame Rate
<input type="text" value="Same as Input"/>	<input type="text" value="Same as Input"/>
Type	
<input type="text" value="H.264"/>	
Profile	Level
<input type="text" value="Main"/>	<input type="text" value="Level 41"/>
Entropy	GOP
<input type="text" value="CABAC"/>	<input type="text" value="5"/>
Video Bitrate (bps)	Custom Video Bitrate (K bps)
<input type="text" value="8 M"/>	<input type="text" value="0"/>
Crop-X	Crop-Y
<input type="text" value="0"/>	<input type="text" value="0"/>
Crop-Width	Crop-Height
<input type="text" value="0"/>	<input type="text" value="0"/>
Audio Frequency	Audio Bitrate (bps)
<input type="text" value="48kHz"/>	<input type="text" value="256 K"/>
Color Range	
<input type="text" value="Full Color"/>	

Resolution: For encoders here, we provide Same as input, 4K, 1920*1080, 1280*720 and some other popular resolutions (4K Encode only available on Main Encoder)

Same as Input
4K
1920 * 1080
1280 * 720
960 * 540
720 * 576
720 * 480
640 * 480
640 * 360
576 * 324
480 * 320
384 * 216
320 * 240
160 * 120

Framerate: YS-UHD01 have same as input, 60, 50, 30, 25, 20, 15, 12.5, 10, 5, and 1 framerates for user to select

Same as Input
60.00
50.00
30.00
25.00
20.00
15.00
12.50
10.00
5.00
1.00

Type: YS-UHD01 have H.264 and H.265 encoder types.

H.264
H.265

Profile: User can adjust here for H.264 profile selection, it supports high, main and baseline.

High
Main
Baseline

Level: H264 level support, YS-UHD01 provides 41, 40, 32, 31, 30, 22, 21, 20, 13, 12, 11, 10, and 1b.

Level 41
Level 40
Level 32
Level 31
Level 30
Level 22
Level 21
Level 20
Level 13
Level 12
Level 11
Level 10
Level 1b

Entropy: YS-UHD01 Support CAVLC and CABAC encoding.

CAVLC
CABAC

GOP: H264 group of pictures setting (from 255~1).

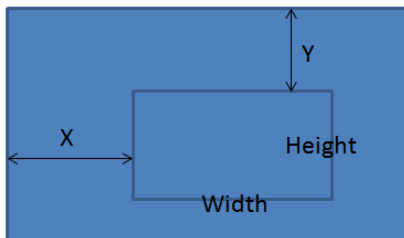
- 255
- 240
- 200
- 120
- 100
- 60
- 50
- 30**
- 25
- 20
- 15
- 10
- 5
- 3
- 2
- 1

Video Bitrate (bps): Video bitrate select (from 44K~64M)

- 64 M
- 32 M
- 24 M**
- 16 M
- 12 M
- 8 M
- 6 M
- 4 M
- 2 M
- 1 M
- 512 K
- 256 K
- 44 K
- Custom Video Bitrate (K bps)

Customize Video Bitrate : User select bitrate.

Crop-X/Y/Width/Height: Crop the needed video and display.



Audio Frequency: Audio frequency select

- 16kHz
- 44.1kHz
- 48kHz**

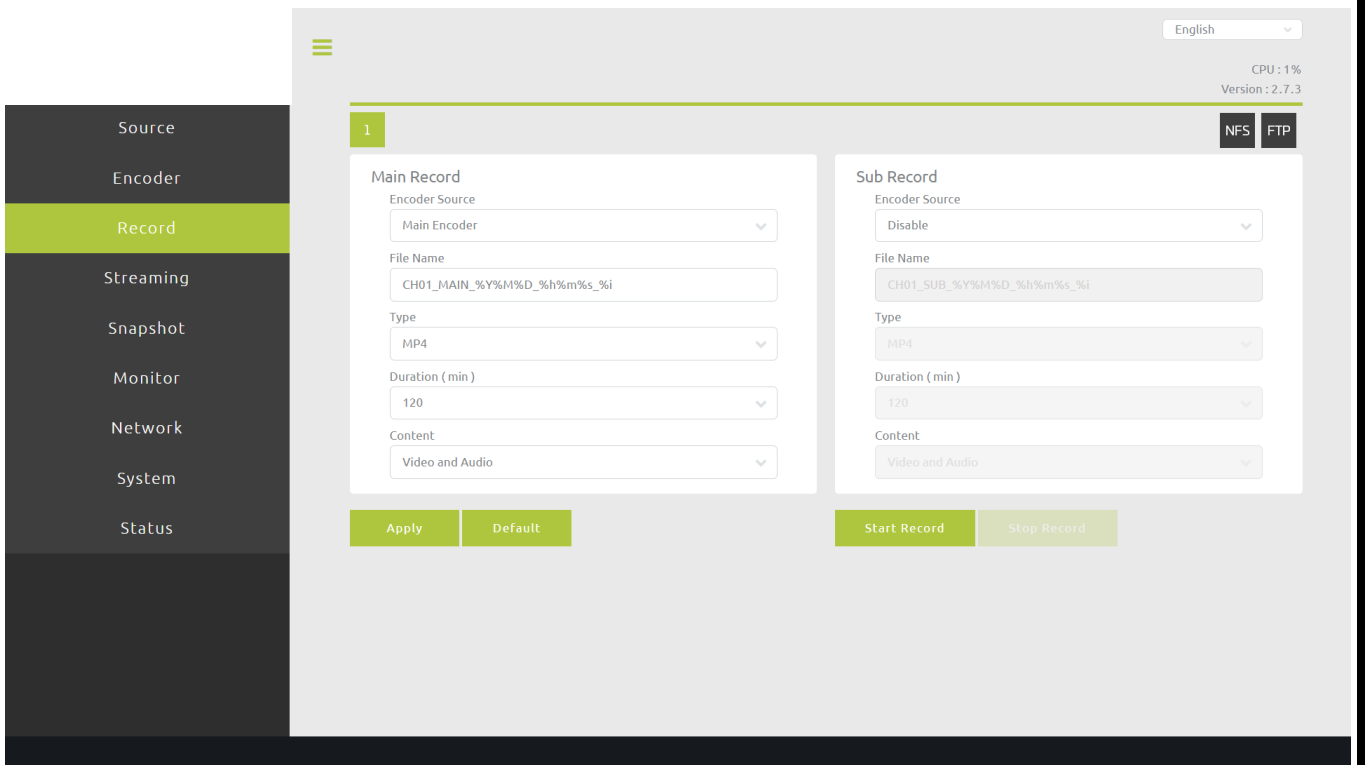
Audio Bitrate (bps): Audio bitrate select

384 K
256 K
128 K
64 K
32 K

ColorRange: Select between Full Color or Limited Color.

Full Color
Limited Color

4.4. Record

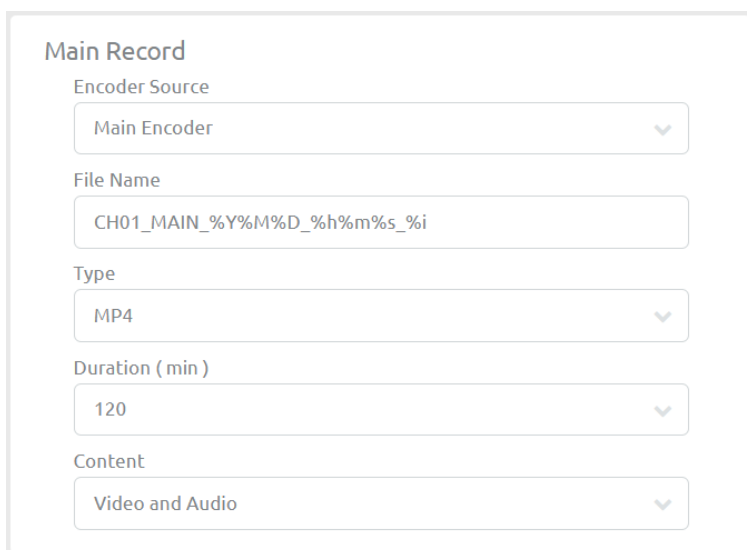


Record page allows user to change the video format that recorded to USB3.0 disk drive, the 2 block in the middle is the main record format.



YS-UHD01 also provide upload feature, on the right hand side, user can check 2 icons for upload usage.

4.4.1. Main Record/Sub Record



Here are the parameters that allow user to adjust their record format.

Encoder source: Select the encoder that willing to record, here are Main Encoder and

disable selections.

Disable
Main Encoder

File name: The file name setting, this would be the file name recorded.

Type: Decide needed file type, we offer MP4, TS and MOV at present time

MP4
TS
MOV

Duration: Setting recording time, here are Unlimitation, 120, 60, 30, 5, and 1 minutes for user to set. Recording will automatically stopped when the time is up.

Unlimited
120
60
30
5
1

Content: Recorded part, user can select YS-UHD01 to record Video and Audio, Video only or Audio only.

Video and Audio
Video Only
Audio Only

4.4.3. Upload-NFS

NFS is a distributed file system protocol, for user to access files via network.

Setting

Host

Account

Password

Storage Mode
Record to Device ▼

Storage Path

Storage Mode: User can select save mode here.

Storage Mode

- Record to Device ▼
- Record to Device
- Remove Record File after Upload
- Record to Device and FTP

4.4.4. Upload-FTP

YS-UHD01 can save files to FTP, please setup FTP site, password and accounts then select your save method.

FTP Setting

Host
10.10.80.132

Account
Ryan

Password

FTP Mode
PASV ▼

Storage Mode
Record to Device ▼

Storage Path
FTP_RYAN

FTP mode: PASV or EPSV

- PASV
- EPSV

Storage Mode: User can select save mode here.

Storage Mode

- Record to Device ▼
- Record to Device
- Remove Record File after Upload
- Record to Device and FTP

4.4.5. Upload-Other Settings

On other setting block, user can check upload status and select server, check local USB disk content and filter for the file browser.

Other Setting

Uploading Status:

Server

Upload

Cancel

Delete

Refresh

Filter Type

All

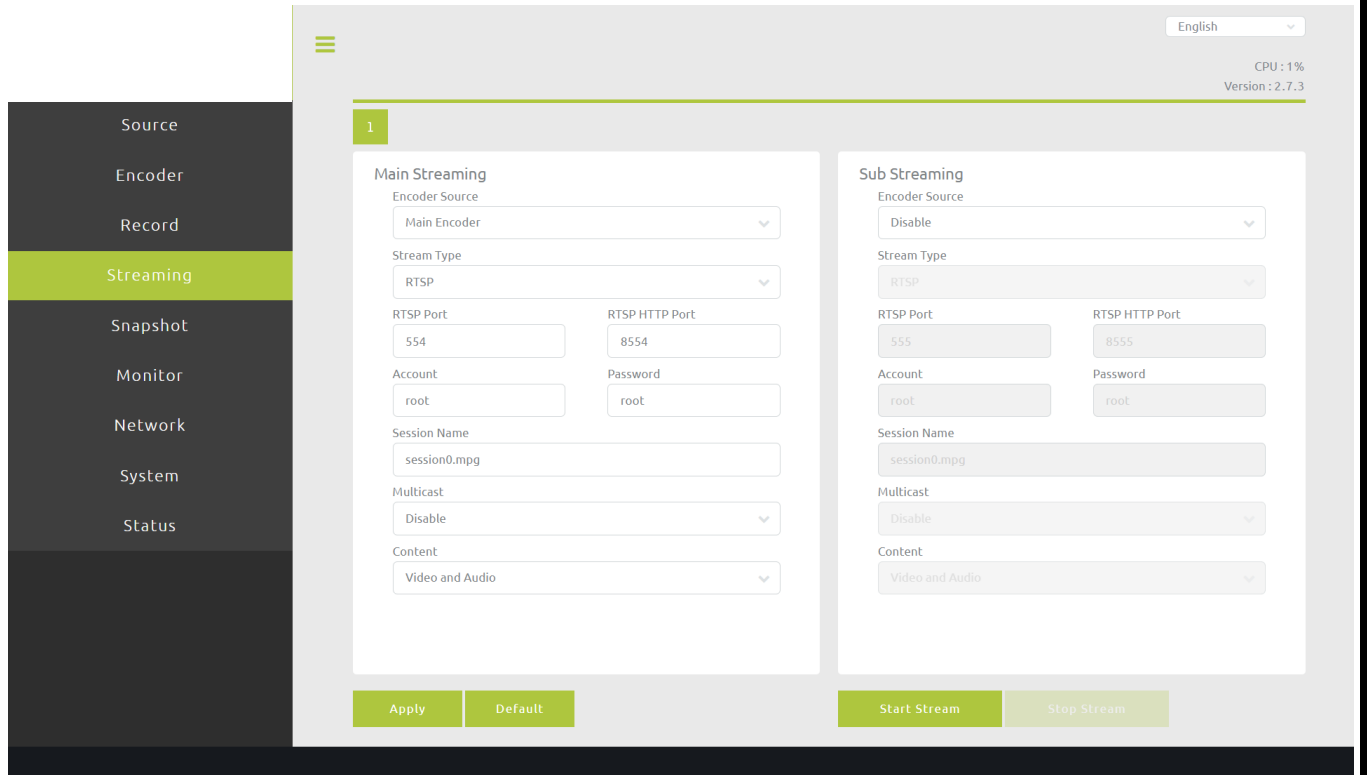
Local USB

Filter Type: Filter record files or picture only.

Filter Type

All
All
Record file only
Picture file only

4.5. Streaming



This page contains YS-UHD01 streaming settings; user can decide which encoder’s stream will send out and select streaming type here, the 2 block in the middle is the main streaming format.

Both Main and Sub streaming having same streaming feature.

4.5.1. RTSP Streaming

Main Streaming

Encoder Source
Main Encoder

Stream Type
RTSP

RTSP Port
554

RTSP HTTP Port
8554

Account
root

Password
root

Session Name
session0.mpg

Multicast
Disable

Content
Video and Audio

Play URL
rtsp://root:root@10.10.80.111:554/session0.mpg

Encoder Source: User can select between main encoder and sub encoder.

Streaming Type: Here are RTSP, RTMP, TS, HLS, NDI, SRT and Youtube streaming type YS-UHD01 available.

RTSP port: RTSP server port

RTSP HTTP Port: RTSP HTTP server port

Account: RTSP account, setting this for other users to link with RTSP mode.

Password: RTSP password, setting this for other users to link with RTSP mode.

Session Name: RTSP Session name.

Multicast: Enable or disable multicast.

Enable: Enable multicast, using broadcast to transfer package. When multiple clients are receiving package, this setting can reduce CPU usage.

Disable: Disable multicast, using unicast to transfer package. When multiple clients are receiving package, this setting will increase CPU usage.

Content: Select the willing streaming data content.

Play URL: Streaming address for other devices to receiving.

RTSP format listed as below.

rtsp://(Account):(Password)@(Source IP address):(port)/(Session name)

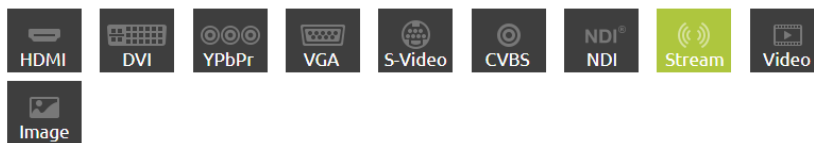
The screenshot shows a configuration window titled "Main Streaming" with the following fields and values:

- Encoder Source: Main Encoder
- Stream Type: RTSP
- RTSP Port: 554
- RTSP HTTP Port: 8554
- Account: root
- Password: root
- Session Name: session0.mpg
- Multicast: Disable
- Content: Video and Audio
- Play URL: rtsp://root:root@10.10.41.242:554/session0.mpg

After the setting as above, the streaming address will be **rtsp://root:root@10.10.41.242:554/session0.mpg**
(IP may differ by environment)

For **down streaming** side, please enter **source->video source->IP Stream**

Video Source



Source URL

UDP ▾

Account

Password

Delay Duration

After enter the Web UI, please setting as below (The IP address will vary by environment, please check IP finder to make sure the IP address.).

Source URL : **rtsp://root:root@10.10.41.242:554/session0.mpg**

Account : root

Password : root

User can key in Account and Password info into Source URL or key in Account and Password information on the below block.

Decode video format: H264, H265

Decode audio format: AAC

4.5.2. NDI Streaming (30 min)

Main Streaming

Encoder Source
Main Encoder

Stream Type
NDI

NDI Group
test_name

NDI Name
CH1-Main

NDI Group: Device name

NDI Name: NDI streaming name

After press **Start Stream**, the NDI stream can be received by NDI Tools



YS-UHD01 had build-in trial version of NDI streaming, which can provide user to transfer NDI streaming for 30 minutes.

4.5.3. SRT Streaming

Here are 2 modes available on SRT streaming, Caller and Listener.

SRT Listener mode turn YS-UHD01 into a sender, send SRT stream directly to other receivers. **SRT Format: srt://10.10.41.201:[port]**

Stream Type

SRT

Stream Type

Listener

SRT Port

1200

Passphrase

Play URL

srt://10.10.41.201:1200

Stream Type: User can select caller or listener (Listener here)

SRT Port: Setting port for streaming out.

Passphrase : Setting the password for this stream.

Press to get a URL for receives; enter the URL at access point to receive the streaming
Example: srt://10.10.41.201:1200

SRT Caller mode turn target device as a portal, YS-UHD01 send SRT stream to target then the target will send device to other receivers.

SRT Format: srt://[ip]:[port]

Stream Type

SRT

Stream Type

Caller

SRT Port

10000

Caller IP Address

Latency (20~8000 ms)

1000

Passphrase

Stream Type: User can select caller or listener (Caller here)

SRT Port: Setting port for streaming out.

Caller IP Address: Setting streaming out IP address.

Latency: Video latency time (20~8000ms)

Stream ID: Setting server ID

Passphrase: Setting the password for this stream.

We've take Wowza as an example for demonstration on SRT Caller

1. Select Live

The screenshot shows the 'Add Application' page in the Wowza Streaming Engine Manager. The left sidebar lists application types: LIVE APPLICATIONS (live, test) and VOD APPLICATIONS (vod). The main content area is titled 'Add Application' and 'Select an Application Type.' It features two columns of application options. The 'Live' column contains three options: 'Live' (Single server or origin), 'Live Edge', and 'Live HTTP Origin' (Not available for your license). The 'Video On Demand' column contains three options: 'VOD' (Single server), 'VOD Edge', and 'VOD HTTP Origin' (Not available for your license). The 'Live' option is highlighted with a red rectangular box.

2. Add Stream File

The screenshot shows the 'Stream Files' section in the Wowza Streaming Engine Manager. The left sidebar lists navigation options: Monitoring, Sources (Live), Stream Files (highlighted), Incoming Streams, Wowza Player, and Stream Targets. The main content area is titled 'Stream Files' and contains two buttons: 'Copy Stream File' and '+ Add Stream File'. The '+ Add Stream File' button is highlighted with a red rectangular box. Below the buttons is a table with columns 'Name' and 'Actions'. The table lists two stream files: 'allie.stream' and 'srt.stream', each with a set of action icons (refresh, add, edit, delete).

3. Set Stream File and Stream URL

The screenshot shows the 'Add Stream File' dialog box in the Wowza Streaming Engine Manager. The dialog contains the following text: '* = required field', 'This will create a new Stream File.', and 'Enter a name for the new Stream File: *'. Below this is a text input field containing 'finn.stream'. The next field is labeled 'Stream URI *' and contains 'srt://10.10.80.34:5666'. At the bottom of the dialog are 'Cancel' and '+ Add' buttons. The 'Stream URI' field is highlighted with a red rectangular box.

※Stream URL is the current platform IP address.

4. Select Stream and Connect

Wowza Streaming Engine MANAGER

Home Server Applications

+ Add Application

SELECTED APPLICATION

test1

- Monitoring
- Sources (Live)
- Stream Files**
- Incoming Streams
- Wowza Player
- Stream Targets
- Source Security

test1 > Stream Files

Live Single Server or Origin

Stream Files

Copy Stream File + Add Stream File

Name	Actions
alife.stream	➔ + ✎ 🗑️
finn.stream	Connect to this stream ➔ + ✎ 🗑️
srt.stream	➔ + ✎ 🗑️

5. Update MediaCaster Type to SRT

Connect a Stream File

Stream Name
finn.stream

Application
test1

Application Instance

Connect to default application instance: _definst_

Connect to application instance:

Enter an existing application instance name. The application instance will be created if it does not exist.

MediaCaster Type

srt

Cancel OK

6. Select Incoming Streams and select the stream

Wowza Streaming Engine MANAGER

Home Server Applications

+ Add Application

SELECTED APPLICATION

test1

- Monitoring
- Sources (Live)
- Stream Files
- Incoming Streams**
- Wowza Player
- Stream Targets
- Source Security
- Playback Security
- SMIL Files

test1 > Incoming Streams

Live Single Server or Origin

Active Streams Streams available for recording via this application. Hide Help

Refresh View by Stream View by Group

Default Instance (_definst_)

Stream	Status	Actions
➔ finn.stream srt://10.10.80.34:5666	Waiting for Stream	🔴 🔄 ✕

7. Set Caller IP Address and SRT Port to YS-UHD01

Main Streaming

Encoder Source
Main Encoder

Stream Type
SRT

Stream Type
Caller

SRT Port
5666

Caller IP Address
10.10.80.34

Latency (20~8000 ms)
1000

Passphrase

8. Press Start Stream and YS-UHD01 will start to stream the video to Wowza Server.

Stream Type
SRT

Stream Type
Caller

Caller IP Address
10.10.80.34

Passphrase

SRT Port
5666

Latency (20~8000 ms)
1000

Stream Type

RTSP Port

Account
root

Session Name

Multicast

Content

Apply Default Start Stream Stop Str

4.5.4. TS Streaming

Here are two formats TS streaming support, unicast and multicast.

For unicast, user need to provide “Client Side” IP address for TS URL, and setting a port for it.

TS unicast Format: `udp://[localhost][port]`

Example: Streaming TS to device 10.10.41.288, user need to add TS URL as below. (user can change port to willing value)

Main Streaming

Encoder Source
Main Encoder

Stream Type
TS

TS URL
udp://10.10.41.228:8888

Play URL
udp://10.10.41.228:8888

For multi cast, user needs to fill ipaddress for TS URL and giving it a port value.(The IP address range can be 224.XX.XX.XX~239.XX.XX.XX), Here is a example with 234.0.0.1.

TS multicast Format: `udp://234.0.0.1:[port]`

Example: User can set TS URL to `udp://234.0.0.1:8888` for multicast.

Main Streaming

Encoder Source
Main Encoder

Stream Type
TS

TS URL
udp://234.0.0.1:8888

Play URL
udp://234.0.0.1:8888

4.5.5. RTMP Streaming

Main Streaming

Encoder Source

Main Encoder

Stream Type

RTMP

RTMP URL

ex: rtmp://192.168.1.88/live/stream_main_01

Account

Password

Content

Video and Audio

RTMP URL: For RTMP server address usage.

Account/Password: Setting account and password for RTMP Server, if the account and password is set, audience should have the account and password to watch the streaming content on the RTMP Server.

Content: Setting streaming out data content.

4.5.6. YouTube Streaming

Main Streaming

Encoder Source

Main Encoder

Stream Type

Youtube

Add Account

After select **Streaming Type** to **YouTube** and press start streaming, YS-UHD01 will automatically generate **USER CODE** for user to connect with YouTube account. (Remember to allow the browser popup window for connecting YouTube)

Main Streaming

Encoder Source

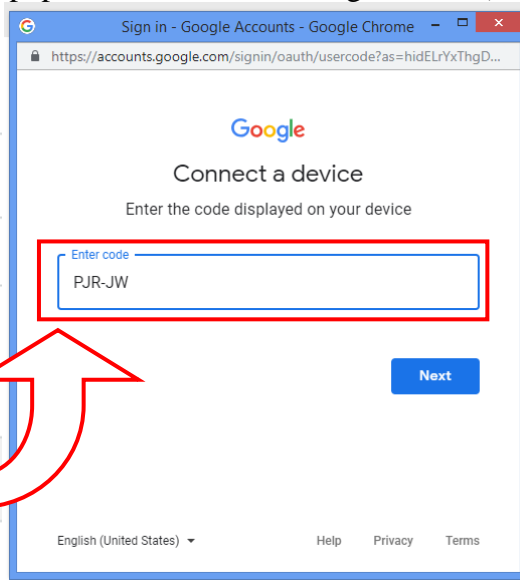
Main Encoder

Stream Type

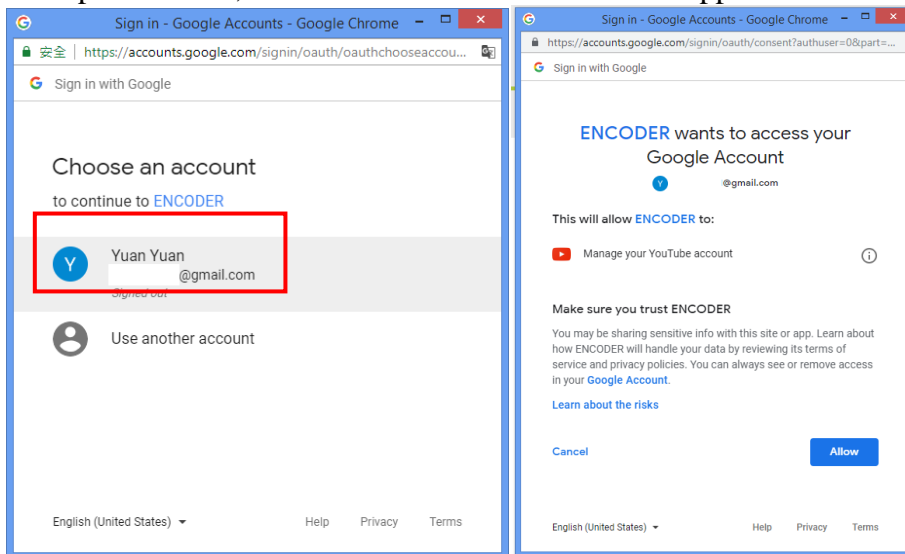
Youtube

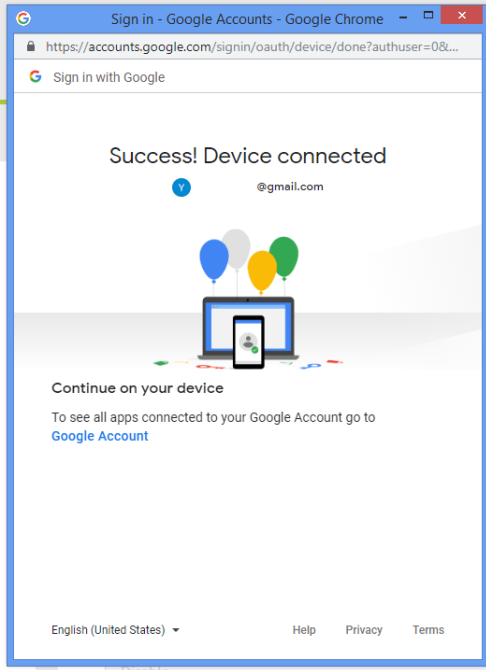
User Code

PJR-JW

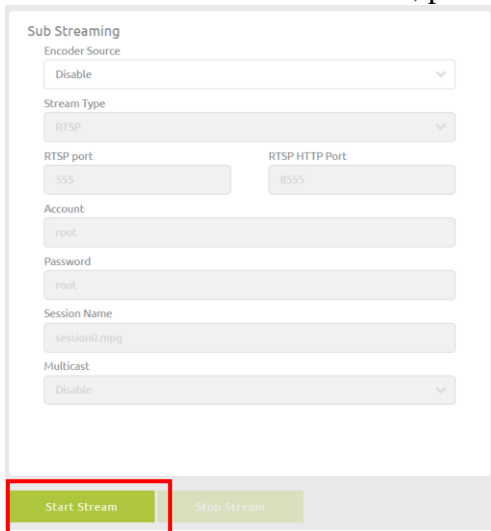


After press NEXT, the connectable user account will appear for user to select.

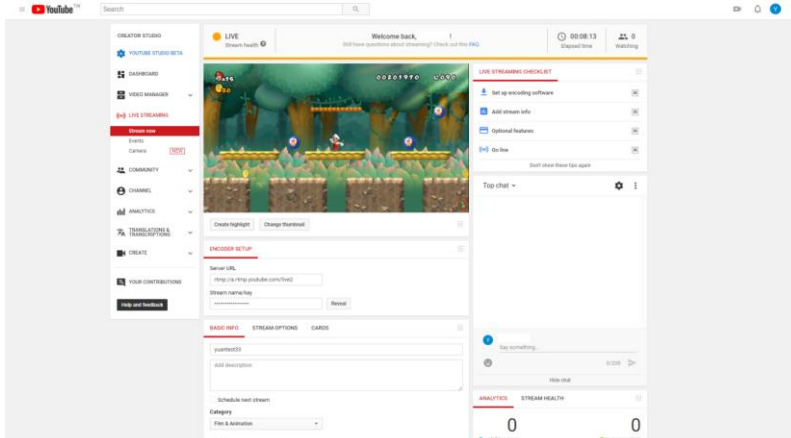




When the connection is succeed, please start streaming.



YouTube live video streaming will automatically generates after the setting is completed.
YouTube streaming website https://www.youtube.com/live_dashboard



4.5.7. WebRTC Streaming

Main Streaming

Encoder Source

Main Encoder

Stream Type

WebRTC

Server IP

127.0.0.1

Server Port

8888

User Name

SC6D0

View

Server IP & Server Port: Setting WebRTC server IP, For YS-UHD01 internal server, please setting Server IP to 127.0.0.1 and Server Port to 8888; For external server, please setting Server IP and Server Port value to the external server value.

User Name: Setting user name.

View: After the Server IP, Server Port and User Name are filled, please press View to open WebRTC demo page.

WebRTC demo page

← → ↻ ⚠ 不安全 | 10.10.41.153/webrtc.html



Server:

Your name:

Connect

Disconnect

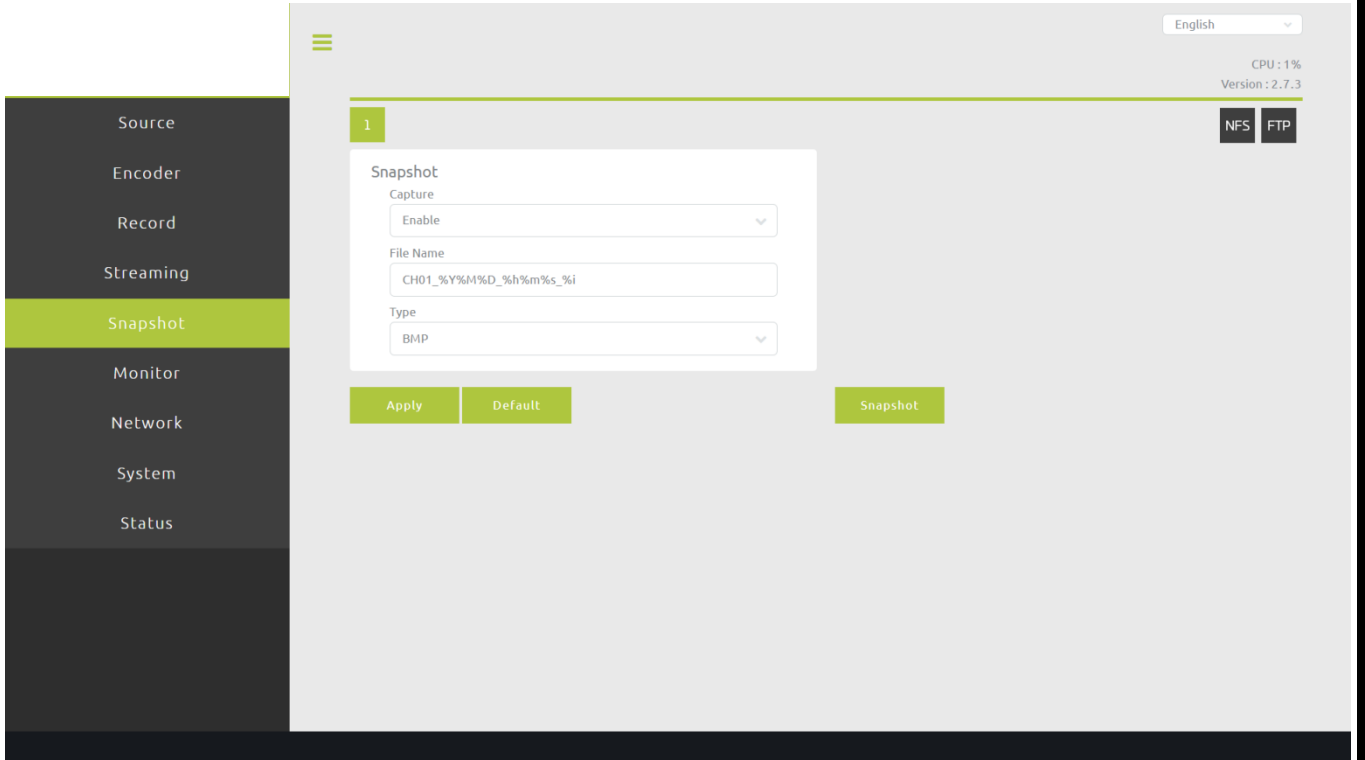
Clear log

Server: WebRTC server address. If user decides to use YS-UHD01 as a server, please enter actual IP& Port value here. If user select external server, please enter external server IP& Port value here

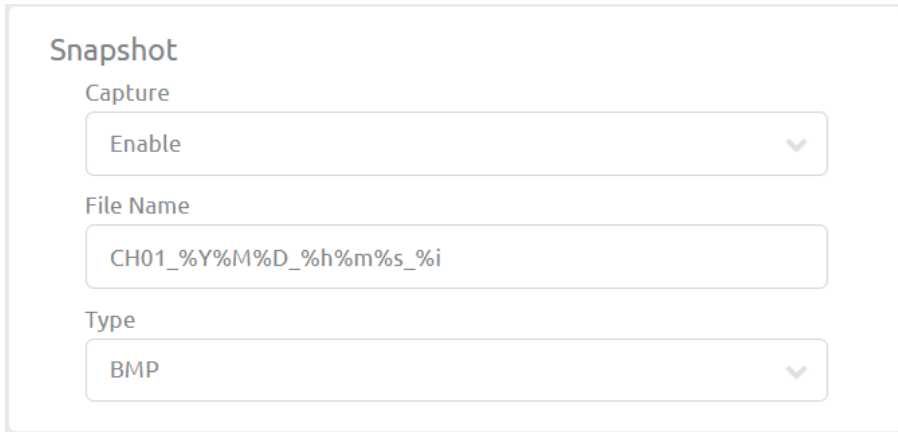
Your Name: WebRTC server name.

After Server and Your Name are setting, please press Connect here, the WebRTC stream will start streaming to the server, and the video will display on web browser here.

4.6. Snapshot



4.6.1. Snapshot



Capture: Select Enable or Disable capture feature.

File Name: User may decide willing capture file name.

Type: Select snapshot file format, YS-UHD01 provides BMP and JPEG for user to select

4.7. Monitor

Resolution: User can select output resolution to 1080P or 4K

3840 * 2160
1920 * 1080

Fram erate: User can select output framerate to 30, and 60.

60.00
30.00

4.8. Network

DHCP: Enable/disable DHCP feature. When disable DHCP, please provide necessary internet parameters for YS-UHD01

Static IP: Setting YS-UHD01 static IP

Subnet Mask: Setting YS-UHD01 subnet mask

Default Gateway: Setting YS-UHD01 default gateway

Primary DNS: Setting YS-UHD01 primary DNS

Secondary DNS: Setting YS-UHD01 secondary DNS

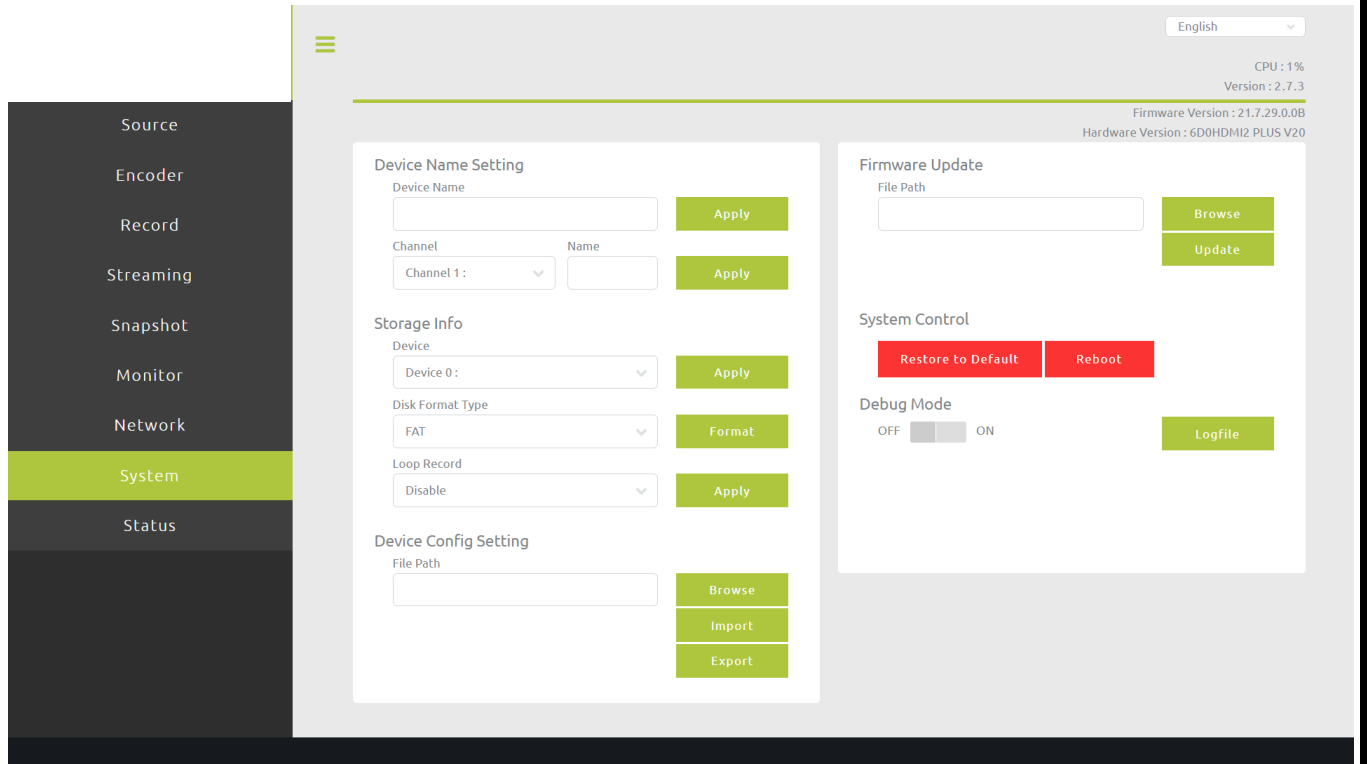
Network Status: Here presents IP address and network status

Time Setting: Set time server and sync type.

Account and Password: User can assign new account and password here.

Timeout Periods: Set user using time after log in, when the time is up, the user will be logout.

4.9. System



In system page, user can set device name, disk format system recovery and firmware update.

4.9.1. Device name setting

Device Name Setting

Device Name

Channel Name

Channel 1:

User can set device and channel name here.

4.9.2. Disk Format

Device Format Type

Device 0 : USB (16.42G /) FAT

User can format attached USB disk drive here, supported formats are listed as below.

- FAT
- NTFS
- exFAT
- EXT4

4.9.3. Device Config Setting

Device Config Setting

File Path

User can save the setting or load previous settings here.

4.9.4. Firmware Update

Firmware Update

File Path

Browse

Update

Please press **Browse** button to select firmware and **Update** button to update it, **during update firmware, please don't turn off power and wait until upgrade progress complete.**

4.9.5. System Control

System Control

Restore to Default

Reboot

Restore to default will erase all settings and back to original, and Reboot button will restart the YS-UHD01

4.9.6. Debug Mode

Debug Mode

OFF ON

4.10. Status

English

CPU : 1%
Version : 2.7.3

Input Information

	Name	Video Source	Audio Source	Resolution	Frame Rate	Channels	Bits per Sample	Sample Frequency
Channel 1		HDMI	Embed.	NA	NA	NA	NA	NA

Record Status

		Encoder Source	Resolution	Frame Rate	Video Bitrate (bps)	Audio Bitrate (bps)
Channel 1	Main	NA	NA	NA	NA	NA
	Sub	NA	NA	NA	NA	NA

Stream Status

		Encoder Source	Resolution	Frame Rate	Video Bitrate (bps)	Audio Bitrate (bps)
Channel 1	Main	NA	NA	NA	NA	NA
	Sub	NA	NA	NA	NA	NA

Disk Information

	Name	Size	Format Type	Time Left	Status
Device	NA	NA	NA	NA	NA

User can check YS-UHD01 status here (Including input signal, streaming status, etc.)

5. VERSION

5.1. Version 1.0

- Initial version.

5.2. Version 1.1

- Update spec.
- Update stream type.

5.3. Version 1.2

- Update support video format.

5.4. Version 1.3

- Add Stream info.

5.5. Version 1.4

- Update spec to V2.5.5

5.6. Version 1.41

- Update USB2.0 description

5.7. Version 1.5

- Add WebRTC description.

5.8. Version 1.51

- Update photo.

5.9. Version 1.6

- Update spec to V2.7.3