



# StarTech Stream Catcher Pro Software User Guide

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StreamCatcher Pro



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## Requirements

### Supported Operating Systems:

- Windows® 10 (32/64), 8/8.1 (32/64), 7 (32/64)

### Minimum Requirements

- GPU: Intel HD or NVIDIA GeForce GTX 600 series graphics (or better)
- CPU: 4th generation Quad-Core Intel Core i5 CPU (i5-4xxx or comparable)
- RAM: 8GB Dual-Channel

### Recommended Hardware:

- GPU: NVIDIA GeForce GTX 10xx (or better)
- CPU: 6th generation Intel Core i7 CPU (i7-6xxx)/AMD Ryzen 7 (or better)
- RAM: 8GB Dual-Channel

# Operation

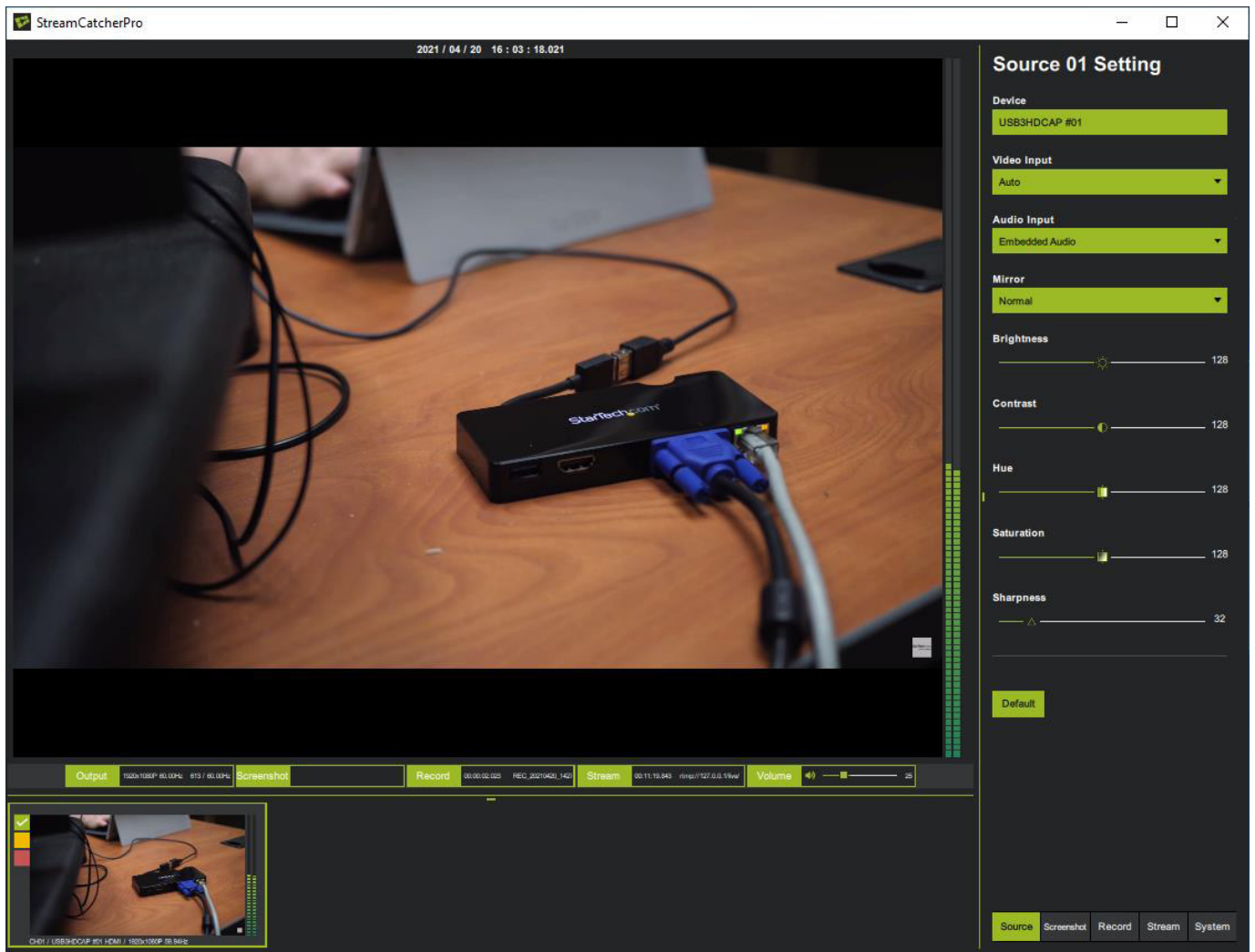
## Interface



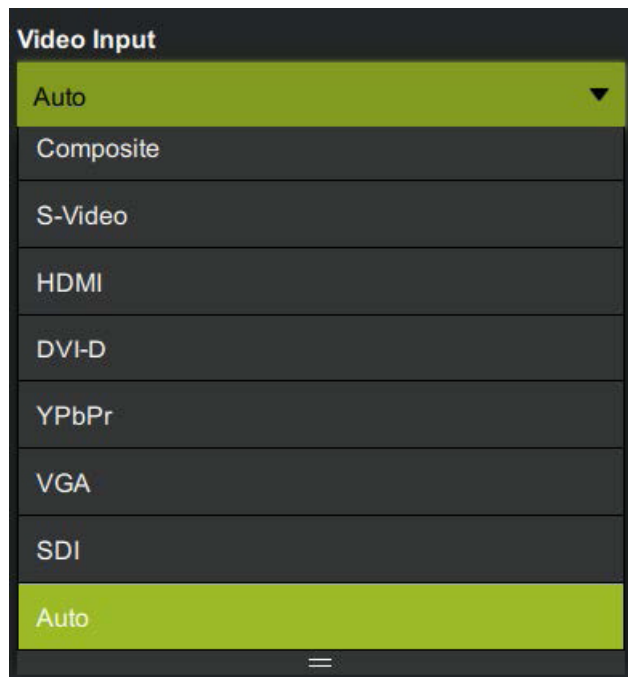
1. **Video Preview Window:** View the capture device's video signal. Double-click for full-screen view. Double-click again for a minimized small window view featuring picture-in-picture view. Double-click a third time to return the preview window and to the main screen.
2. **Volume Indicator:** View volume levels.
3. **Settings Panel:** Select the corresponding buttons to view and/or edit the following options.  
Source/Capture/Record/Stream/System
4. **Function Panels:**
  - **Output:** View video signal information.
  - **Screenshot:** Select to capture a screenshot. The **Screenshot** button will appear **Yellow** when selected.
  - **Record:** Select to start/stop recording audio/video. The Record button will appear Red when selected.
  - **Stream:** Select to start/stop streaming to the desired streaming service. The Stream button will appear Blue when selected.
  - **Volume:** Select or select and hold the **Volume Slider** to adjust the volume of the audio. Click the Speaker Icon to mute the audio.
5. **Channel Preview:** Video preview each capture device connected to the computer. Select the desired **Preview Window** to view the corresponding capture device.

## Settings Panel

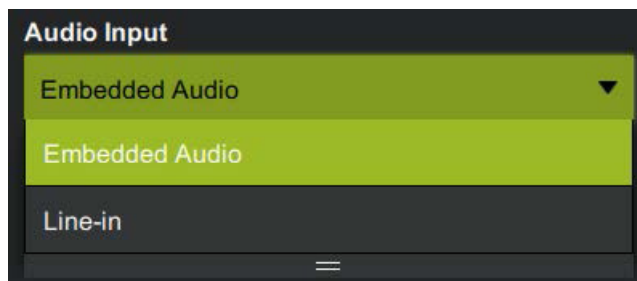
## Source Settings



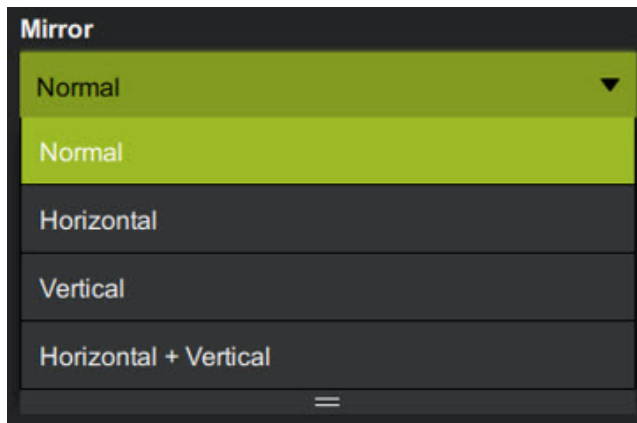
- **Device:** View the name of the connected capture device.
- **Video Input:** Select the capture device's video signal type.



- **Audio Input:** Select the capture device's audio signal type.



- **Mirror:** Preview, record, or take screenshots with a mirrored view. Mirroring options include **Vertical**, **Horizontal**, or **Vertical + Horizontal**.

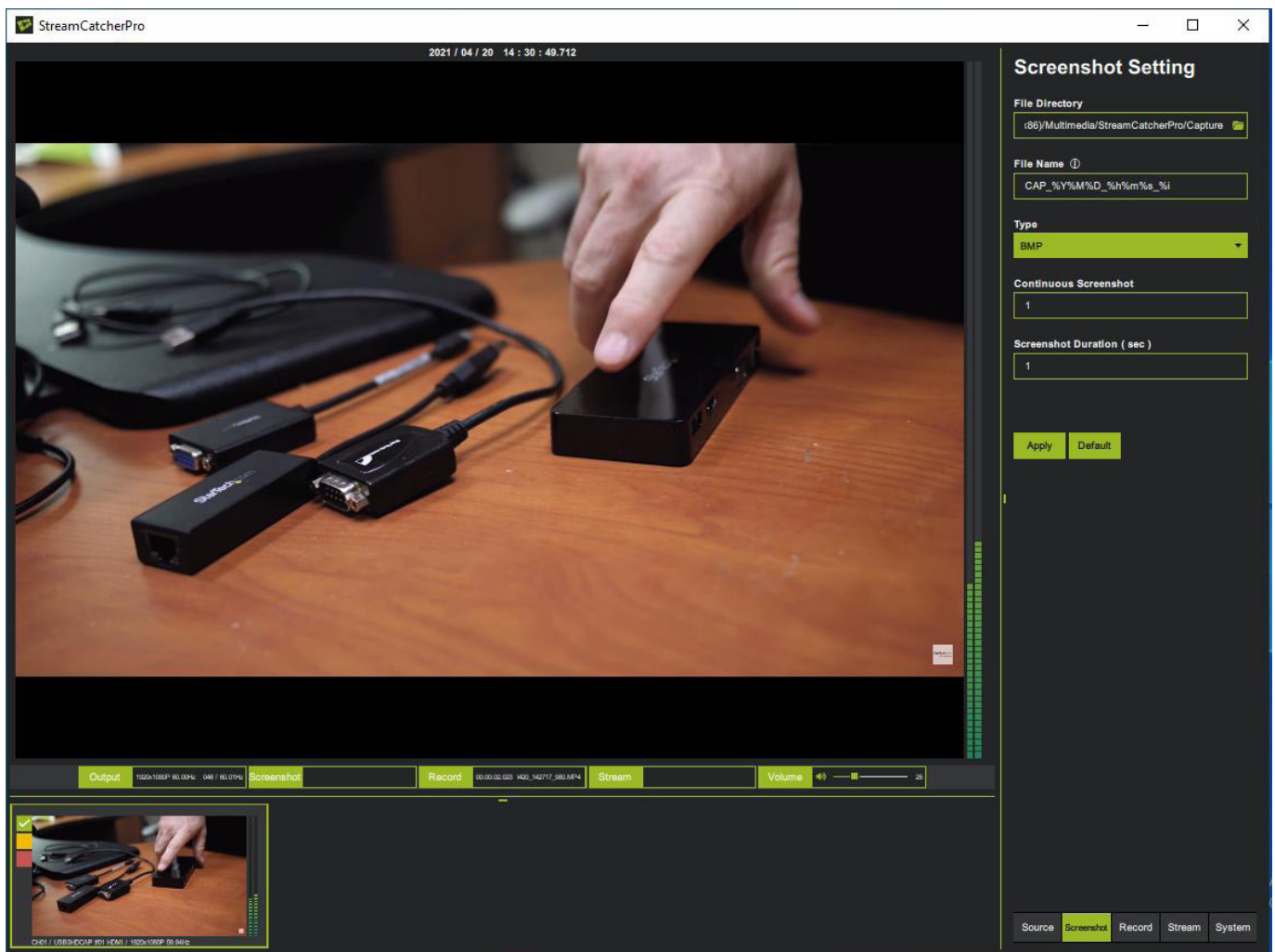


- **Brightness/Contrast/Hue/Saturation/Sharpness:** Adjust image settings.

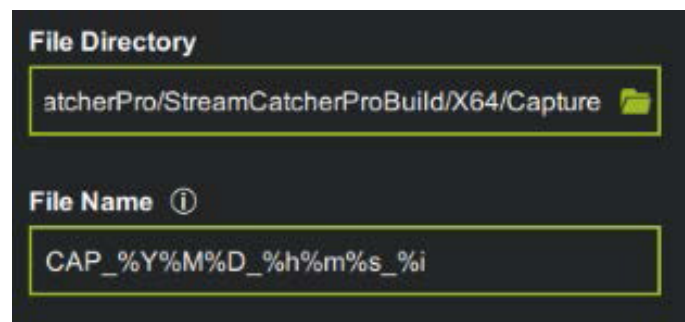


## Screenshot Settings

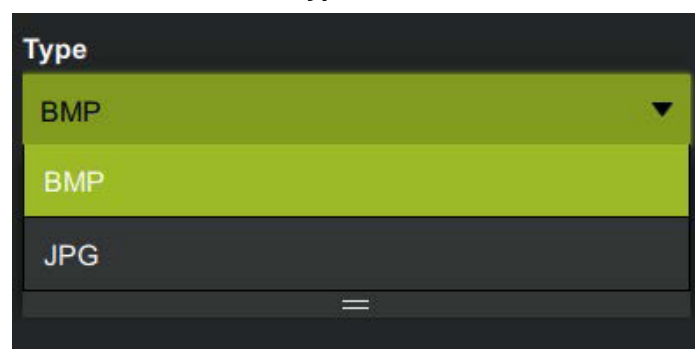




- **File Directory:** Select the **Destination Folder** for the screenshots.
- **File Name:** Create/edit the **File Name** to be saved. The date and time are added to the file name by default.



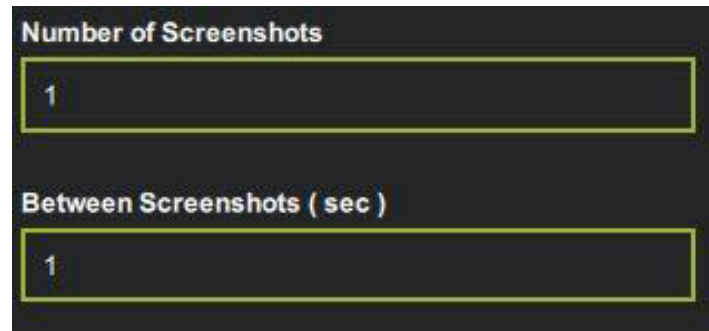
- **Type:** Select **BMP** or **JPG** for the screenshot file **Type**.



- **Number of Screenshots / Time Between Screenshots:** Set the desired **Number of Screenshots** and **Time Between Screenshots** (e.g. if the **Number of Screenshots** is set to 50 and the **Time Between Screenshots** (sec) is set to 20 seconds, the result will be 50 screenshots with each one taken 20 seconds apart. The sequence will stop once the desired **Number of Screenshots** has been reached. The maximum **Number of**

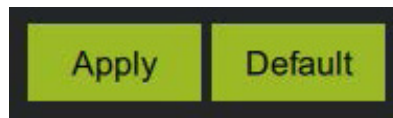
**Screenshots** is 999 and the maximum Time Between Screenshots is 86400 seconds (24 hours).

**Note:** The default File Name must be used for this feature.



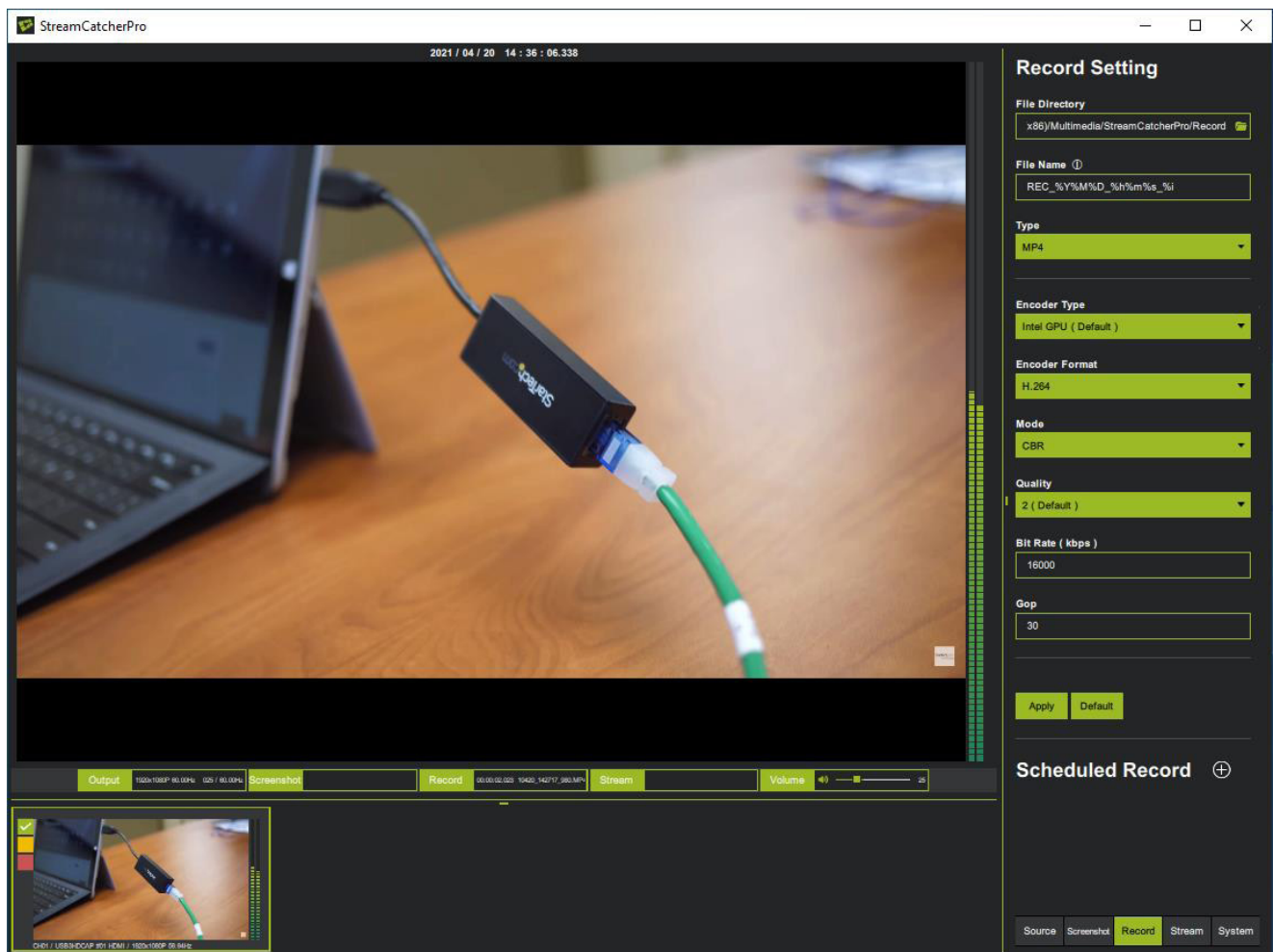
The image shows a settings window with two input fields. The first field is labeled 'Number of Screenshots' and contains the value '1'. The second field is labeled 'Between Screenshots ( sec )' and also contains the value '1'.

- Select the Apply button to save and apply the setting changes.



The image shows two buttons: 'Apply' and 'Default', both with a blue background and white text.

## Record Settings



- Select the **Destination Folder** and **File Name** for the recorded video files.

**File Directory**

atcherPro/StreamCatcherProBuild/X64/Record

**File Name** ⓘ

REC\_%Y%M%D\_%h%m%s\_%i

- **Type:** Select the desired file type for the video recording. The default video **Type** is **MP4**.

**Type**

MP4

MP4

TS

AVI

FLV

- **Encoder Type:** Select the hardware that will be used to perform the video encoding. Selecting the Computer's **GPU** is recommended.

**Encoder Type**

Nvidia GPU ( Default )

CPU

Intel GPU

Nvidia GPU ( Default )

- **Encoder Format:** Displays the video encoding type. The **Encoder Format** defaults to **H.264**.

**Encoder Format**

H.264

H.264

- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.

**Mode**

CBR

- **Quality:** Select the desired level (0 to 4) of video compression. Choose a lower number for slower network connections. The default **Quality** is set to 2.



**Quality**

2 ( Default ) ▼

0 ( Best Speed )

1

2 ( Default )

3

4 ( Best Quality )

=

- **Bit Rate (Kbps):** Select the desired **Bit Rate (Kbps)**.
- **GOP:** Set the desired number of pictures (frames) between 2 intra-coded pictures (I frames). Video editing will be simplified if a lower GOP value is selected. However, a lower GOP value will result in a larger file size.

**Bit Rate ( Kbps )**

16000

**GOP**


30



- Select the **Apply** button to save and apply the setting changes.

Apply Default

- **Scheduled Record:**

Select the “” button to schedule a recording. Multiple recordings can be scheduled.








**Scheduled Record** 


01 R 05:00 ~ 00:00  

Start Time ~ Stop Time

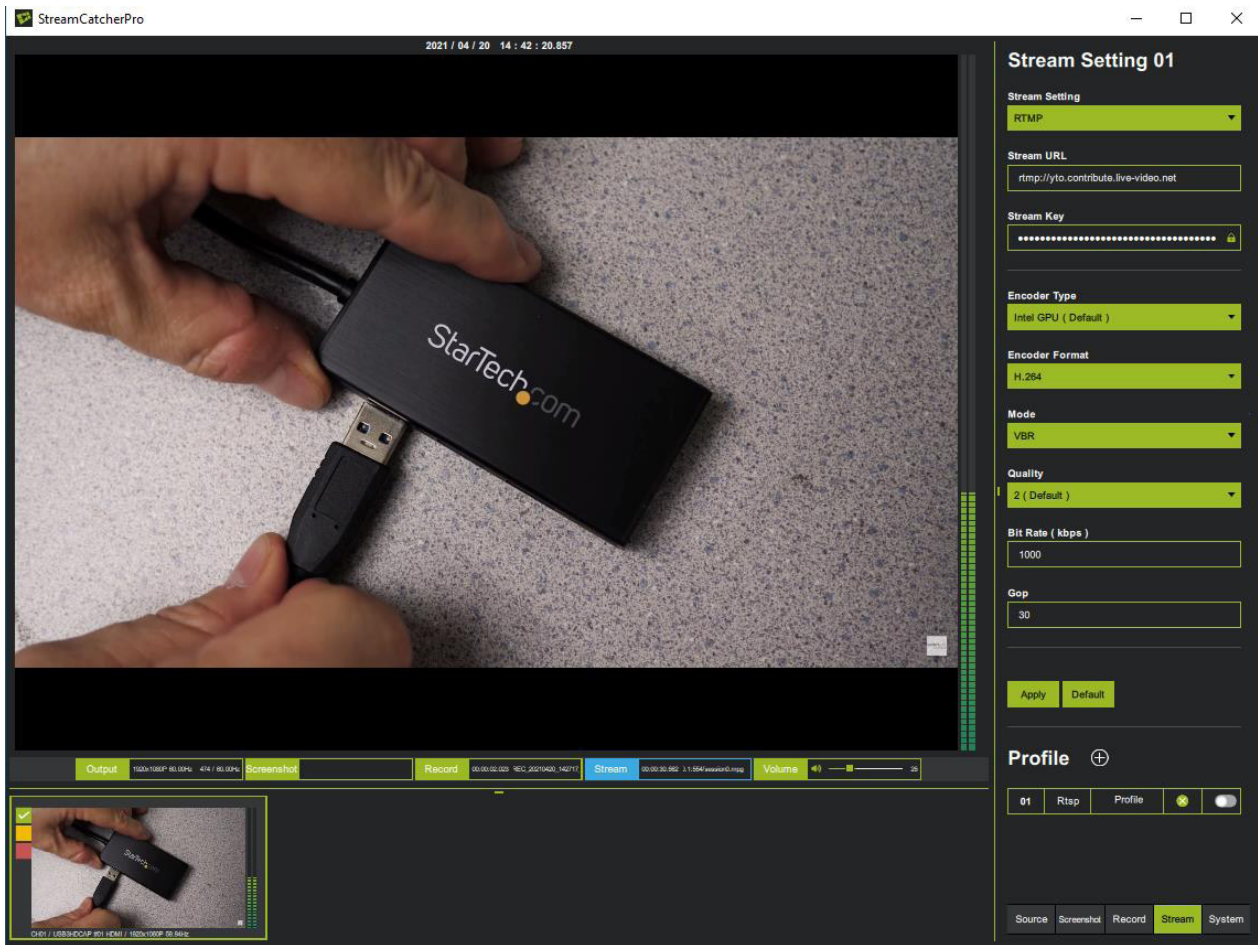
05 : 00 00 : 00

Sun Mon Tue Wed Thu Fri Sat

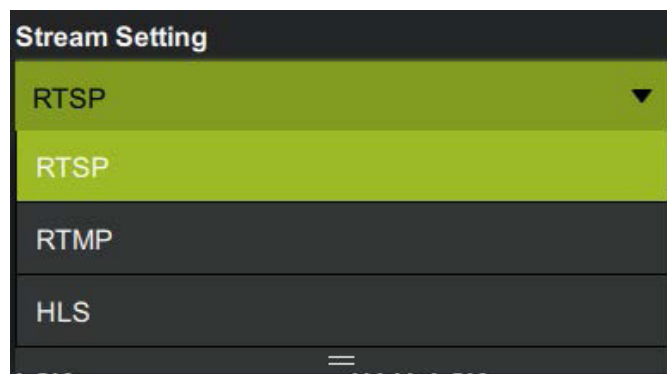
      

- Select the **Recording Number** (number highlighted in red in the above image) to display a drop-down menu.
- Select a **Start Time**, **Stop Time**, and **Day(s) of the Week** (i.e. Sun, Mon, Tues, etc.).
- Toggle the **Switch** (see the arrow in the above image) to apply the settings.
- Scheduled recordings can be deleted by pressing the “” button on the selected **Scheduled Recording**.

## Stream Settings



- **Stream Setting:** Select the desired streaming protocol. The **Stream Setting** options are **RTSP**, **RTMP**, or **HLS**.



- Various settings display based upon the selected **Stream Setting** protocol.

**Stream Setting**

RTSP

Stream URL  
rtsp://@127.0.0.1:554/session0.mpg

Port: 554      HTTP Port: 0

Enable Authentication  
☒

Account:      Password:

**Stream Setting**

RTMP

Stream URL  
rtmp://yto.contribute.live-video.net

Stream Key  
.....

**Stream Setting**

HLS

Stream URL  
http://127.0.0.1/hls/session0.m3u8

Server Root Directory  
C:\AppServ\www\hls

- **Encoder Type:** Select the hardware that will be used to perform the video encoding. Selecting the Computer's **GPU** is recommended.

**Encoder Type**

Nvidia GPU ( Default )

CPU

Intel GPU

Nvidia GPU ( Default )

- **Encoder Format:** Displays the video encoding type. The **Encoder Format** defaults to **H.264**.

**Encoder Format**

H.264

H.264

- **Mode:** Select between either a **Constant Bit Rate (CBR)** or Variable Bit Rate (VBR).

**Mode**

VBR

CBR

VBR

- **Quality:** Select the desired level (0 to 4) of video compression. Choose a lower number for slower network connections. The default **Quality** is set to 2.

**Quality**

2 ( Default ) ▼

0 ( Best Speed )

1

2 ( Default )

3

4 ( Best Quality )

=

- **Bit Rate (Kbps) / GOP:** Select the desired **Bit Rate (Kbps)** and Group of Pictures (GOP).

**Bit Rate ( Kbps )**

4000

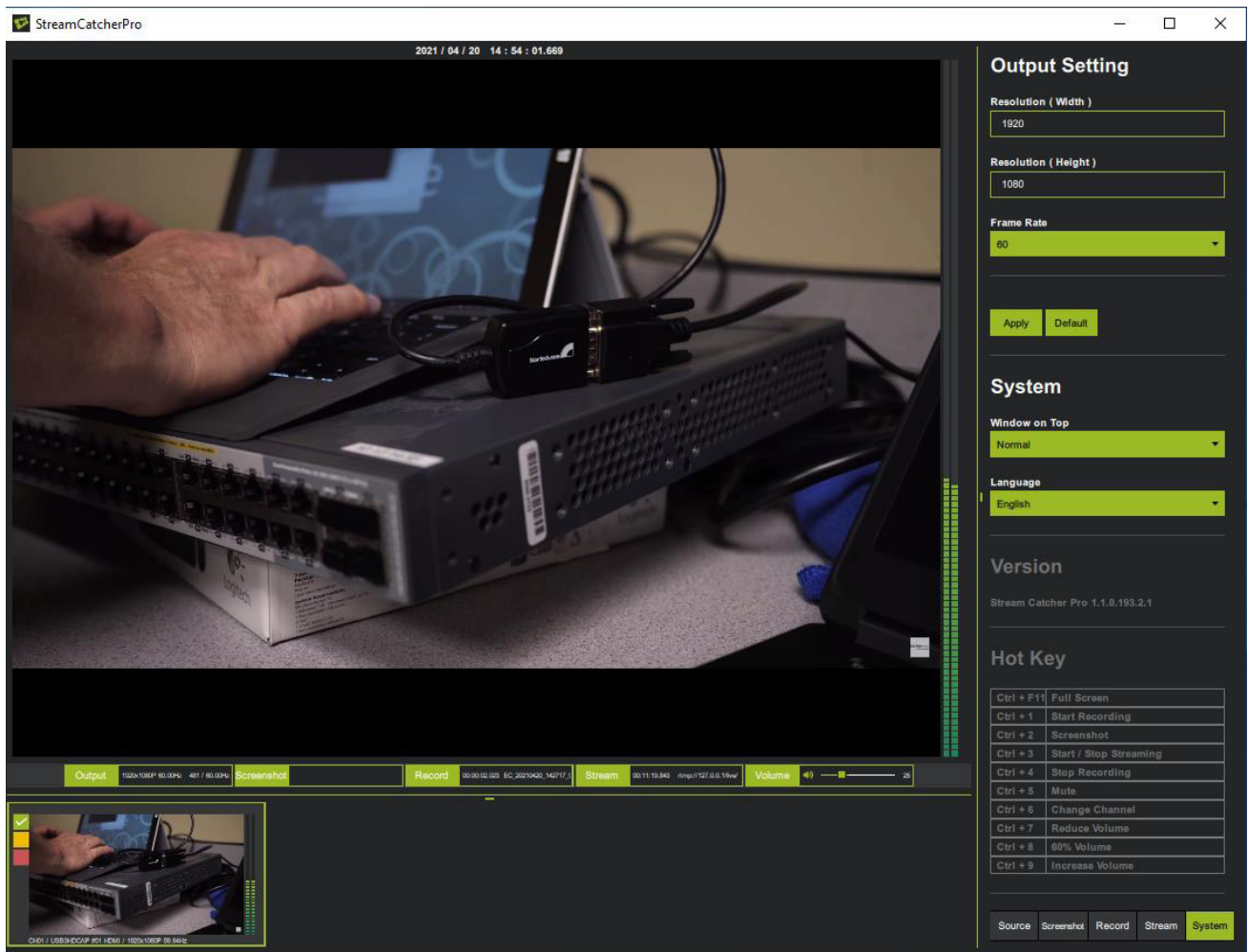
**GOP**

30

- Select the **Apply** button to save and apply the setting changes.

Apply Default

## System Settings



- **Resolution (Width/Height):** Enter the desired values for the **Resolution (Width)** and **Resolution (Height)**. The default resolution is 1920×1080.

Resolution ( Width )

1920

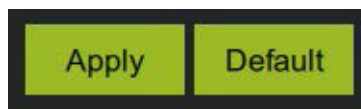
Resolution ( Height )

1080

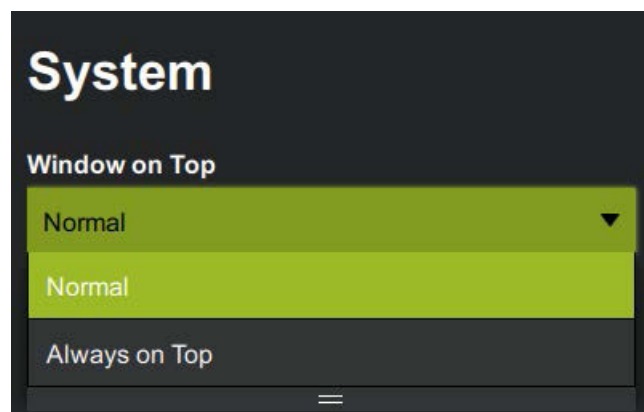
- **Frame rate:** Select the desired frame rate.



- Select the **Apply** button to save and apply the setting changes.



- **Window on Top:** Select the drop-down menu then select
- **Always on Top:** StreamCatcher Pro appears on top of all other expanded windows.
- **Normal:** StreamCatcher Pro will operate like any other program window and can be covered by other expanded windows.

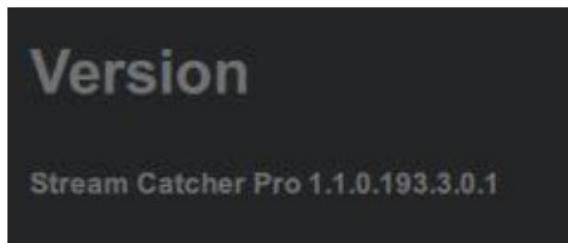


- **Language:** Defaults to **English**.



- The installed **StreamCatcher Pro Version** and **Hot Keys** (keyboard shortcuts) can be seen below.





Hot Key	
Ctrl + F11	Full Screen
Ctrl + 1	Start Recording
Ctrl + 2	Screenshot
Ctrl + 3	Start / Stop Streaming
Ctrl + 4	Stop Recording
Ctrl + 5	Mute
Ctrl + 6	Change Channel
Ctrl + 7	Reduce Volume
Ctrl + 8	60% Volume
Ctrl + 9	Increase Volume

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## Documents / Resources

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