

StreamCatcher Pro



Software User Guide

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Table of Contents

Compliance Statements	i
Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols	i
Requirements	1
Supported Operating Systems:.....	1
Minimum Requirements.....	1
Recommended Hardware:.....	1
Operation	2
Interface	2
Settings Panel.....	4
Source Settings.....	4
Screenshot Settings	7
Record Settings.....	9
Stream Settings	13
System Settings	16
Limitation of Liability	20

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



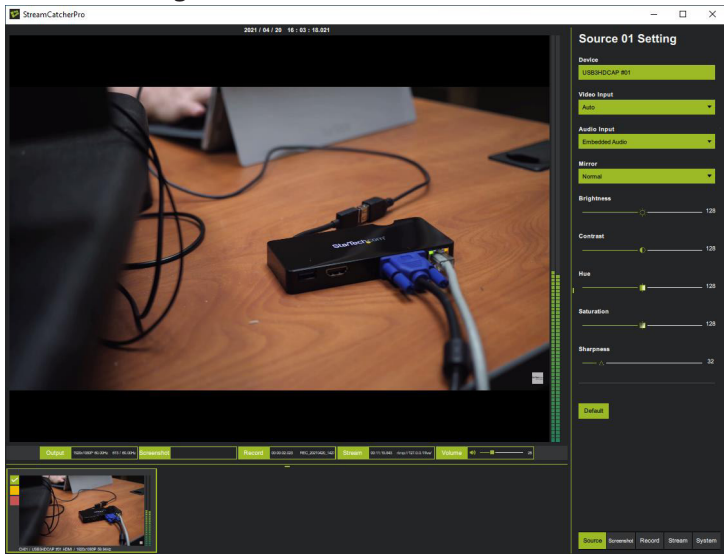
1. **Video Preview Window:** View the capture device's video signal. Double-click for full-screen view. Double-click again for a minimized small window view featuring picture-in-picture view. Double-click a third time to return the preview window and to the main screen.
2. **Volume Indicator:** View 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.

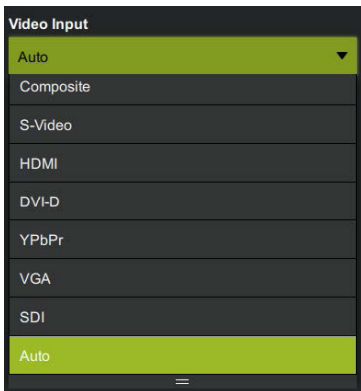
Settings Panel

Source Settings

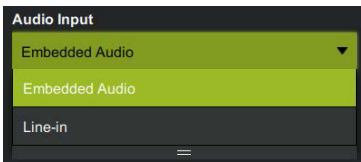


- **Device:** View the name of the connected capture device.

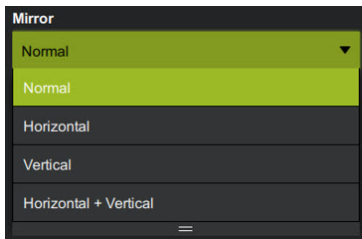
- **Video Input:** Select the capture device's video signal type.



- **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.



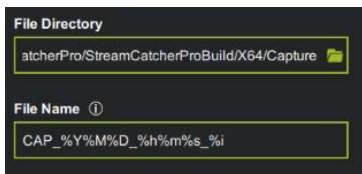
Screenshot Settings

The screenshot shows the StreamCatcherPro application window. The main area displays a video feed of a hand touching a black device on a wooden desk. On the right side, there is a 'Screenshot Setting' panel with the following fields and options:

- File Directory:** A text field containing the path `.\bin\Multimedia\StreamCatcherPro\Capture`.
- File Name:** A text field containing the pattern `CAP_%Y%M%D_%h%m%s_%i`.
- Type:** A dropdown menu set to `SNAP`.
- Continuous Screenshot:** A checkbox that is checked.
- Screenshot Duration (sec):** A text field containing the value `1`.

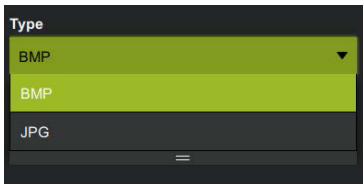
At the bottom of the settings panel are 'Apply' and 'Default' buttons. Below the main video area is a playback control bar with buttons for 'Output', 'Screenshot', 'Record', 'Stream', and 'Volume'. A small thumbnail of the video is visible in the bottom left corner.

- **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.



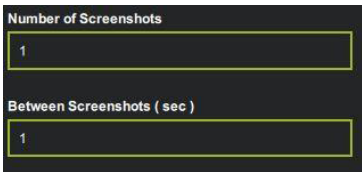
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- **Type:** Select **BMP** or **JPG** for the screenshot file **Type**.

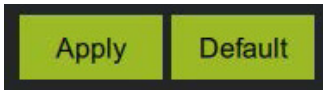


- **Number of Screenshots / Time Between Screenshots:** Set the desired **Number of Screenshots** and **Time Between Screenshots** (e.g. if the **Number of Screenshots** is set to 50 and the **Time Between Screenshots (sec)** is set to 20 seconds, the result will be 50 screenshots with each one taken 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.



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



Record Settings

The screenshot shows the StreamCatcherPro application window. The main area displays a video feed of a laptop connected to a capture device. The right sidebar is titled "Record Setting" and contains the following configuration options:

- File Directory: x86\Multimedia\StreamCatcherPro\Record
- File Name: REC_%Y%M%D_%h%m%s_%i
- Type: MP4
- Encoder Type: Intel GPU (Default)
- Encoder Format: H.264
- Mode: CBR
- Quality: 2 (Default)
- Bit Rate (Mbps): 10000
- Gap: 30

Buttons for "Apply" and "Default" are visible below the settings. At the bottom right, there is a "Scheduled Record" section with a plus icon and a tabbed interface with "Record" selected.

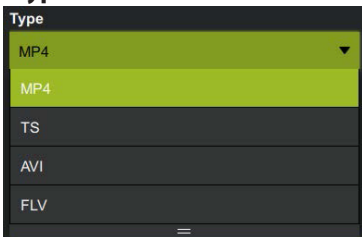
- Select the **Destination Folder** and **File Name** for the recorded video files.

This close-up shows the "Record Setting" sidebar with the following fields:

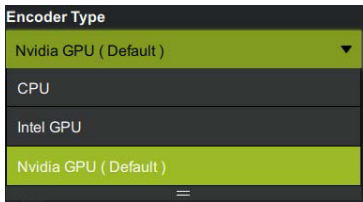
- File Directory**: :atcherPro/StreamCatcherProBuild/X64/Record
- File Name**: REC_%Y%M%D_%h%m%s_%i

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



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



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

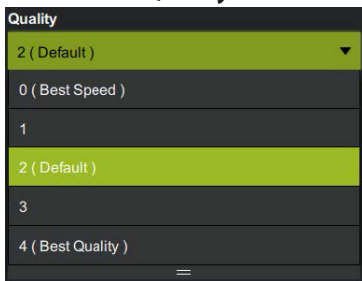


- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



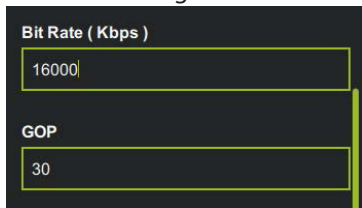
A screenshot of a software interface showing a dropdown menu labeled "Mode". The menu is open, and the option "CBR" is selected and highlighted in a light blue color. A small downward-pointing arrow is visible to the right of the selected option.

- **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.



A screenshot of a software interface showing a dropdown menu labeled "Quality". The menu is open, and the option "2 (Default)" is selected and highlighted in a light blue color. Other visible options include "0 (Best Speed)", "1", "3", and "4 (Best Quality)". A small downward-pointing arrow is visible to the right of the selected option.

- **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.



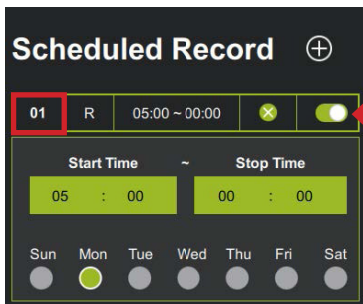
A screenshot of a software interface showing two input fields. The first field is labeled "Bit Rate (Kbps)" and contains the value "16000". The second field is labeled "GOP" and contains the value "30". Both fields have a light blue border and a small upward-pointing arrow on the right side.

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



- **Scheduled Record:**

Select the "⊕" button to schedule a recording. Multiple recordings can be scheduled.



- 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**.

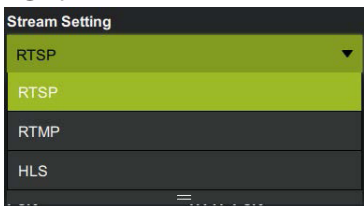
Stream Settings

The screenshot displays the StreamCatcherPro application interface. The main video area shows a hand holding a black StarTech.com USB capture device. The right sidebar, titled 'Stream Setting 01', contains the following settings:

- Stream Setting: RTMP (dropdown)
- Stream URL:
- Stream Key:
- Encoder Type: Intel GPU (Default) (dropdown)
- Encoder Format: H.264 (dropdown)
- Mode: VBR (dropdown)
- Quality: 2 (Default) (dropdown)
- Bit Rate (Mbps):
- Gap:

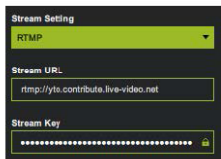
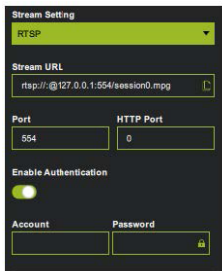
At the bottom right, the 'Profile' section shows 'RTSP' selected from a list of options (RTSP, Profile, HLS, H.264). The bottom status bar includes 'Source', 'Streamset', 'Record', 'Stream', and 'Volume' controls.

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

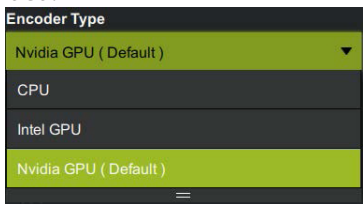


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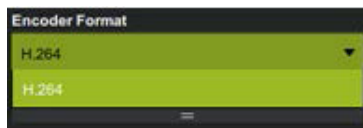
- Various settings display based upon the selected **Stream Setting** protocol.



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



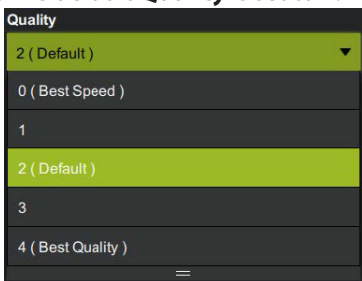
- **Encoder Format:** Displays the video encoding type. The **Encoder Format** defaults to **H.264**.



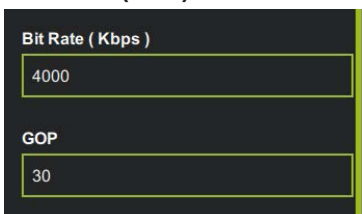
- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



- **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.



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



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



System Settings

The screenshot shows the StreamCatcherPro software interface. On the left, a video preview window displays a person's hands typing on a laptop keyboard in front of a network switch. Below the video is a control bar with buttons for 'Default', 'Fullscreen', 'Record', 'Stream', and 'Volume'. On the right, a settings panel is open, showing 'Output Setting' with fields for Resolution (Width: 1920, Height: 1080) and Frame Rate (60), and 'System' settings for Window on Top (Normal) and Language (English). Below these are 'Version' (Stream Catcher Pro 1.1.0.192.2.1) and 'Hot Key' settings. At the bottom right, there are buttons for 'Source', 'Screen', 'Record', 'Stream', and 'System'.

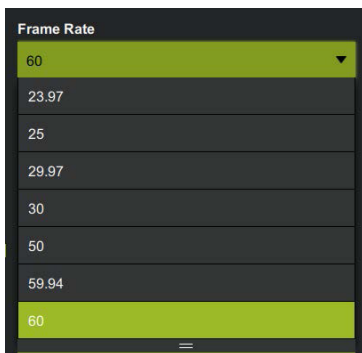
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- **Resolution (Width/Height):** Enter the desired values for the **Resolution (Width)** and **Resolution (Height)**. The default resolution is 1920x1080.



A screenshot of a dark-themed interface showing two input fields. The first field is labeled "Resolution (Width)" and contains the number "1920". The second field is labeled "Resolution (Height)" and contains the number "1080". Both fields have a light green border.

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

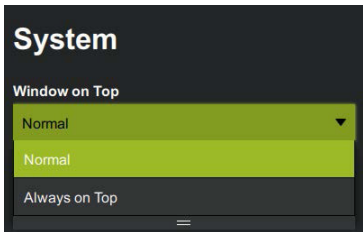


A screenshot of a dark-themed interface showing a dropdown menu for "Frame Rate". The menu is open, displaying a list of frame rate options: 60, 23.97, 25, 29.97, 30, 50, 59.94, and 60. The top option, "60", is highlighted in light green. A small downward arrow is visible on the right side of the top option. At the bottom of the menu, there is a light green bar with the number "60" and a small equals sign below it.

- 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.

Version

Stream Catcher Pro 1.1.0.193.3.0.1

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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