

StreamCatcher Pro



Software User Guide

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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, AMD Radeon HD 7870 (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 AMD Radeon RX 5xx (or better)
- CPU: 6th generation Intel Core i7 CPU (i7-6xxx)/AMD Ryzen 7 (or better)
- RAM: 8GB Dual-Channel

Operation Interface



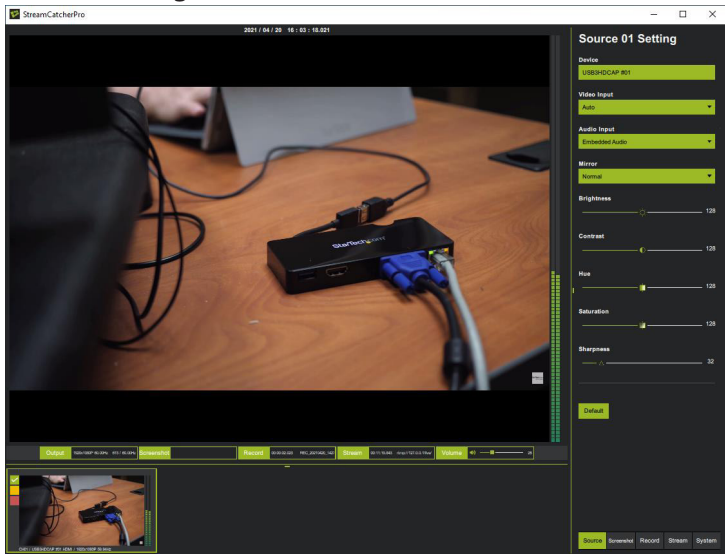
1. **Video Preview Window:** View the capture device's video signal. Double-click for full-screen view. Double-click again for a minimized small window view featuring picture-in-picture view. Double-click a third time to return the preview window and to the main screen.
2. **Volume Indicator:** View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

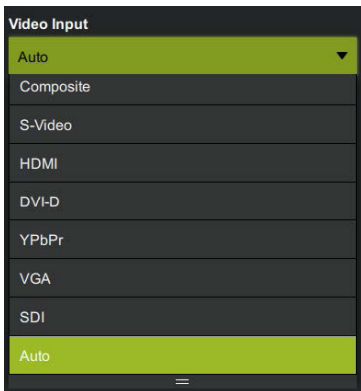
Settings Panel

Source Settings

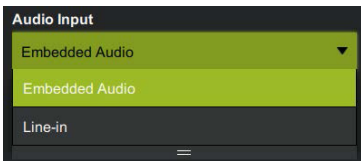


- **Device:** View the name of the connected capture device.

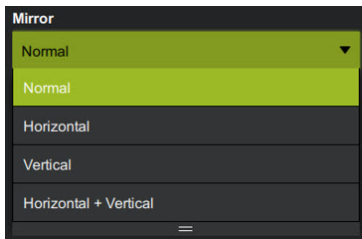
- **Video Input:** Select the capture device's video signal type.



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



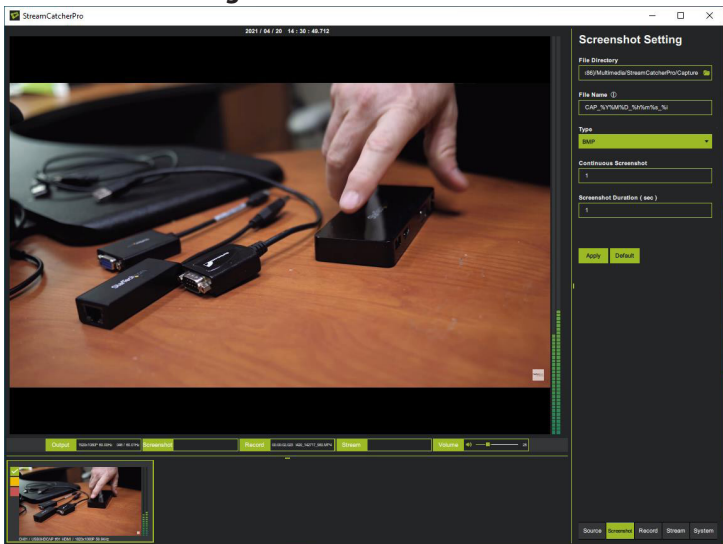
- **Mirror:** Preview, record, or take screenshots with a mirrored view. Mirroring options include **Vertical**, **Horizontal**, or **Vertical + Horizontal**.



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



Screenshot Settings

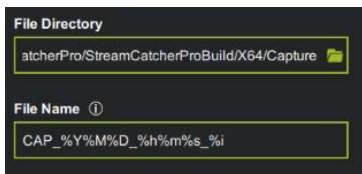


The screenshot shows the StreamCatcherPro application window. The main area displays a video feed of a hand touching a black device on a wooden desk. The Screenshot Setting panel on the right is open, showing the following configuration:

- File Directory:** .\66\Multimedia\StreamCatcherPro\Capture
- File Name:** CAP_%Y%M%D_%h%m%s_%i
- Type:** BMP
- Continuous Screenshot:** 1
- Screenshot Duration (sec):** 1

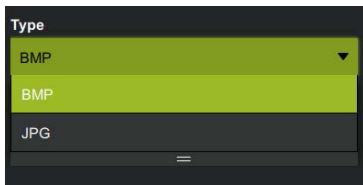
Buttons for 'Apply' and 'Default' are visible. At the bottom of the panel, there are tabs for 'Source', 'Screenshot', 'Record', 'Stream', and 'System', with 'Screenshot' currently selected.

- **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.



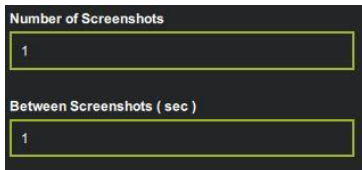
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- **Type:** Select **BMP** or **JPG** for the screenshot file **Type**.



- **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. On the right, the 'Record Setting' panel is visible, containing the following fields and options:

- File Directory:** x:\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

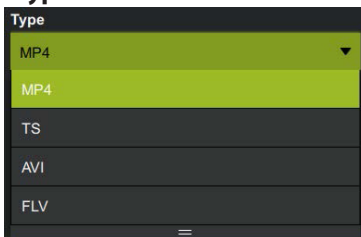
At the bottom of the settings panel, there are 'Apply' and 'Default' buttons. Below the settings is a 'Scheduled Record' section with a plus icon. At the very bottom, there are tabs for 'Source', 'Screenshots', 'Record', 'Stream', and 'System', with 'Record' currently selected.

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

This close-up shows the 'File Directory' and 'File Name' settings from the software interface. The 'File Directory' field contains the path: ;atcherPro/StreamCatcherProBuild/X64/Record. The 'File Name' field contains the template: REC_%Y%M%D_%h%m%s_%i.

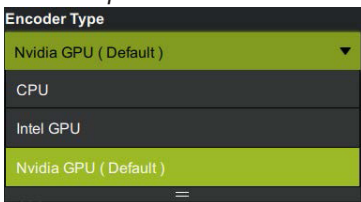
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- **Type:** Select the desired file type for the video recording. The default video **Type** is **MP4**.



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

Note: *If the GPU does not support hardware encoding, it will not appear in the drop-down menu.*



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

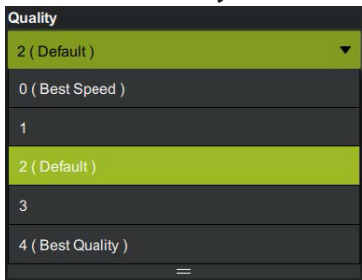


- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



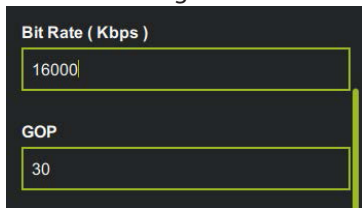
A screenshot of a software interface showing a dropdown menu labeled "Mode". The menu is open, and the option "CBR" is selected and highlighted in a light blue color. A small downward-pointing arrow is visible on the right side of the selected option.

- **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 on the right side 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.



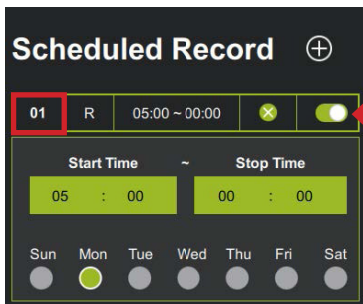
A screenshot of a software interface showing two input fields. The first field is labeled "Bit Rate (Kbps)" and contains the value "16000". The second field is labeled "GOP" and contains the value "30". Both fields have a light blue border and a small cursor is visible in the first field.

- 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.

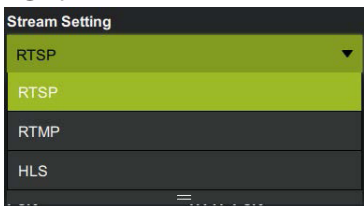


- Select the **Recording Number** (number highlighted in red in the above image) to display a drop-down menu.
- Select a **Start Time**, **Stop Time**, and **Day(s) of the Week** (i.e. **Sun**, **Mon**, **Tues**, etc.).
- Toggle the **Switch** (see the arrow in the above image) to apply the settings.
- 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 window shows a video feed of a hand holding a StarTech.com USB capture device. The right sidebar contains configuration options for Stream Setting (RTMP), Stream URL (rtmp://ytc.contribula.live-video.net), Stream Key, Encoder Type (Intel GPU), Encoder Format (H.264), Mode (VBR), Quality (2), Bit Rate (1000), and Gap (30). A Profile section at the bottom right shows 'RTSP' selected.

- **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.

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://yte.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.

Note: If the GPU does not support hardware encoding, it will not appear in the drop-down menu.

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

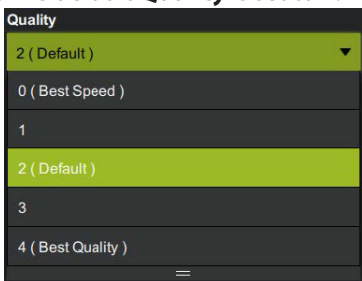
H.264

H.264

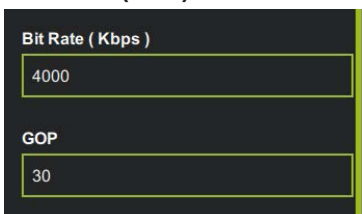
- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



- **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

A screenshot of the StreamCatcherPro software interface. The main window displays a video feed of a person's hands typing on a laptop keyboard, with a network switch in the foreground. The interface includes a top status bar with the date and time '2021 / 04 / 20 14 : 54 : 01.000'. On the right side, there is a 'System Settings' panel with sections for 'Output Setting', 'System', 'Version', and 'Hot Key'. The 'Output Setting' section has input fields for 'Resolution (Width)' and 'Resolution (Height)', both set to '1920', and a 'Frame Rate' dropdown set to '60'. Below these are 'Apply' and 'Default' buttons. The 'System' section has a 'Window on Top' dropdown set to 'Normal' and a 'Language' dropdown set to 'English'. The 'Version' section shows 'Stream Catcher Pro 1.1.0.192.2.1'. The 'Hot Key' section lists various keyboard shortcuts for functions like Full Screen, Start/Stop Recording, Stop Recording, Mute, Change Channel, Reduce Volume, 50% Volume, and Increase Volume. At the bottom of the interface, there is a control bar with buttons for 'Default', 'Source', 'Record', 'Stream', and 'System', along with a volume slider and a small thumbnail of the video feed.

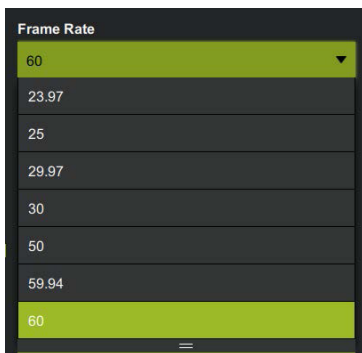
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- **Resolution (Width/Height):** Enter the desired values for the **Resolution (Width)** and **Resolution (Height)**. The default resolution is 1920x1080.



The image shows a dark-themed interface with 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.

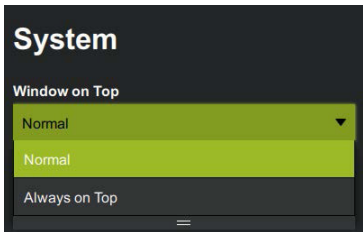


The image shows a dark-themed dropdown menu titled "Frame Rate". The menu is open, showing a list of frame rate options: 60, 23.97, 25, 29.97, 30, 50, 59.94, and 60. The top option, "60", is highlighted in light green and has a small downward arrow to its right. At the bottom of the menu, there is a 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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