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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

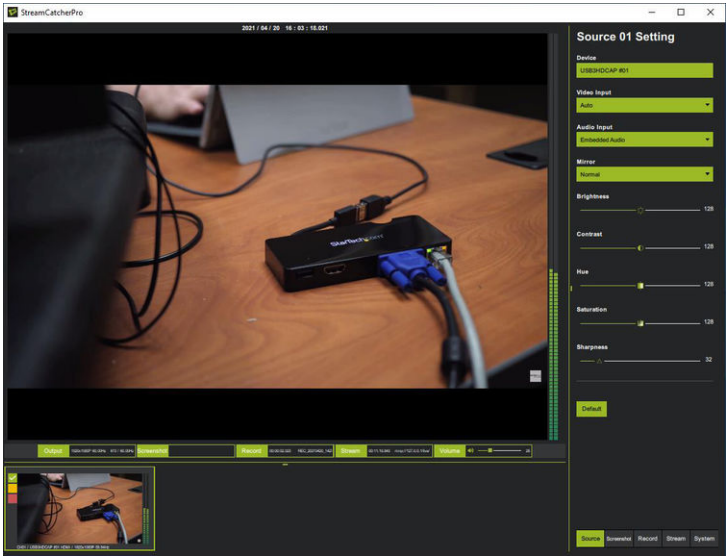
4. **Function Panels:**

- **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.

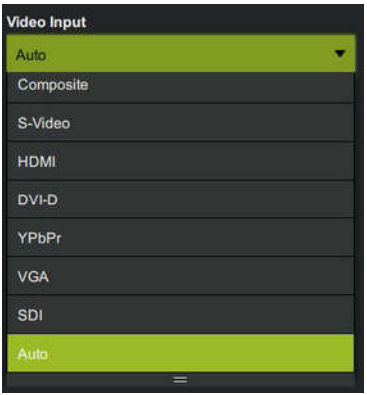
Settings Panel

Source Settings

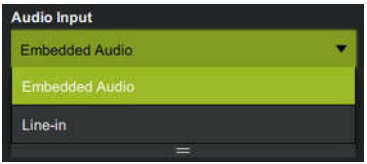


- **Device:** View the name of the connected capture device.

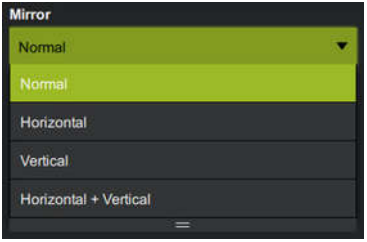
- **Video Input:** Select the capture device's video signal type.



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



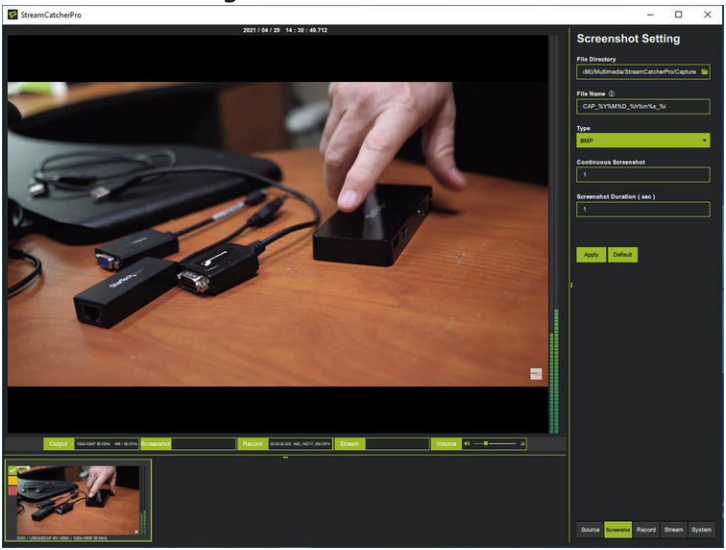
- **Mirror:** Preview, record, or take screenshots with a mirrored view. Mirroring options include **Vertical**, **Horizontal**, or **Vertical + Horizontal**.



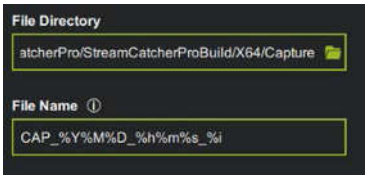
- **Brightness/Contrast/Hue/Saturation/Sharpness:** Adjust image settings.



Screenshot Settings



- **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)**.

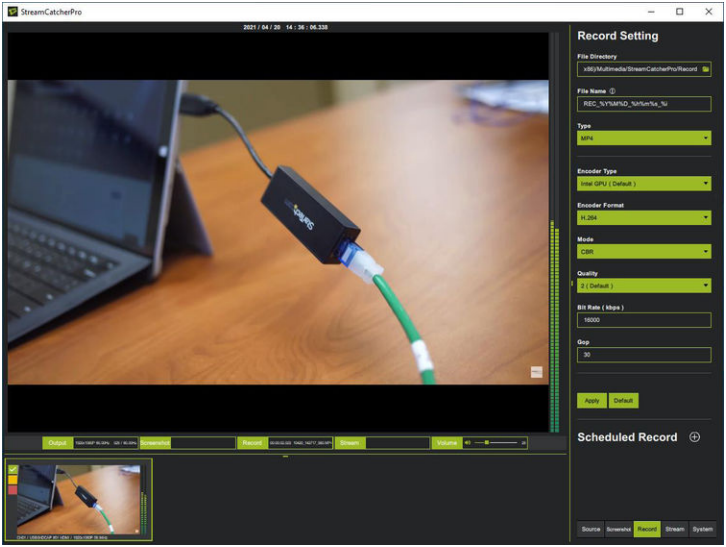
Note: *The default **File Name** must be used for this feature.*



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



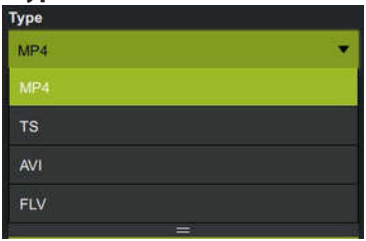
Record Settings



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



- **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.*



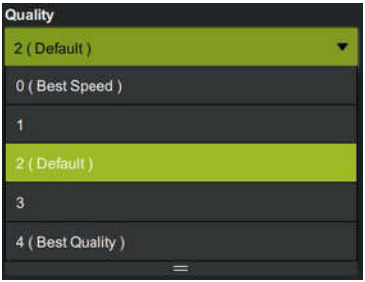
- **Encoder Format:** Displays the video encoding type. The **Encoder Format** defaults to **H.264**.



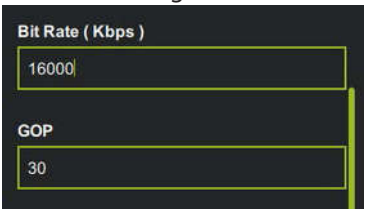
- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



- **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.



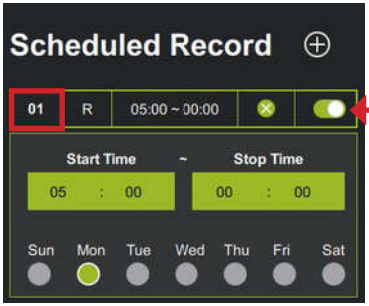
- **Bit Rate (Kbps):** Select the desired **Bit Rate (Kbps)**.
- **GOP:** Set the desired number of pictures (frames) between 2 intra-coded pictures (I frames). Video editing will be simplified if a lower **GOP** value is selected. However, a lower **GOP** value will result in a larger file size.



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

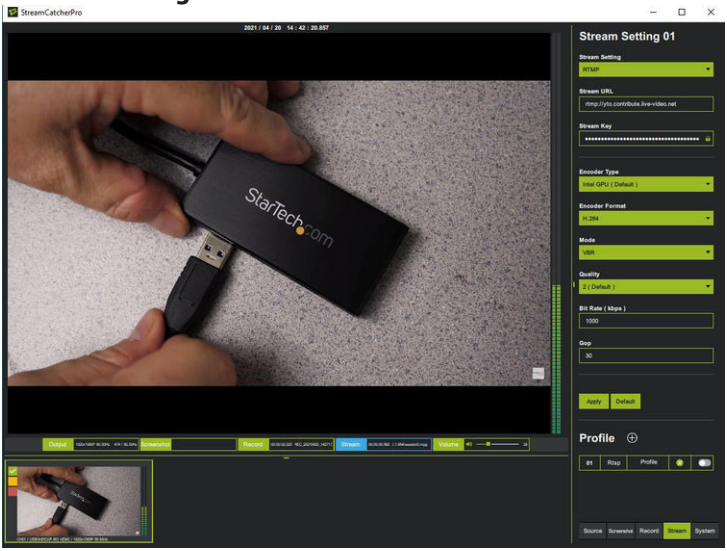


- **Scheduled Record:**
  Select the "⊕" button to schedule a recording. Multiple recordings can be scheduled.

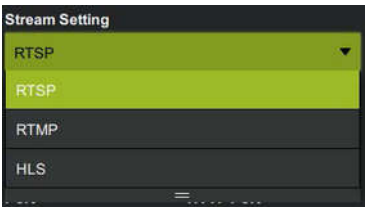


  - Select the **Recording Number** (number highlighted in red in the above image) to display a drop-down menu.
  - Select a **Start Time**, **Stop Time**, and **Day(s) of the Week** (i.e. **Sun**, **Mon**, **Tues**, etc.).
  - Toggle the **Switch** (see the arrow in the above image) to apply the settings.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

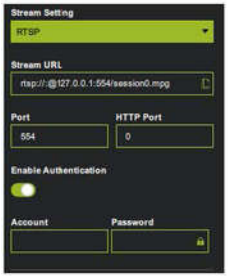
Stream Settings



- **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.







- **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.*



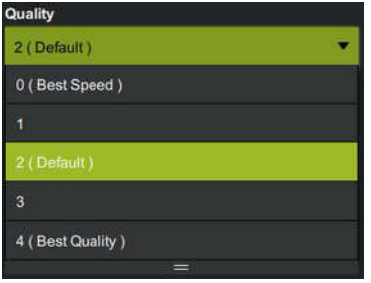
- **Encoder Format:** Displays the video encoding type. The **Encoder Format** defaults to **H.264**.



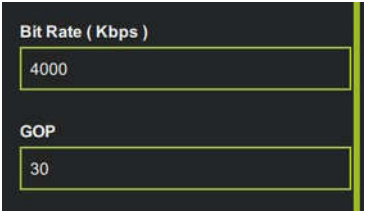
- **Mode:** Select between either a **Constant Bit Rate (CBR)** or **Variable Bit Rate (VBR)**.



- **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.



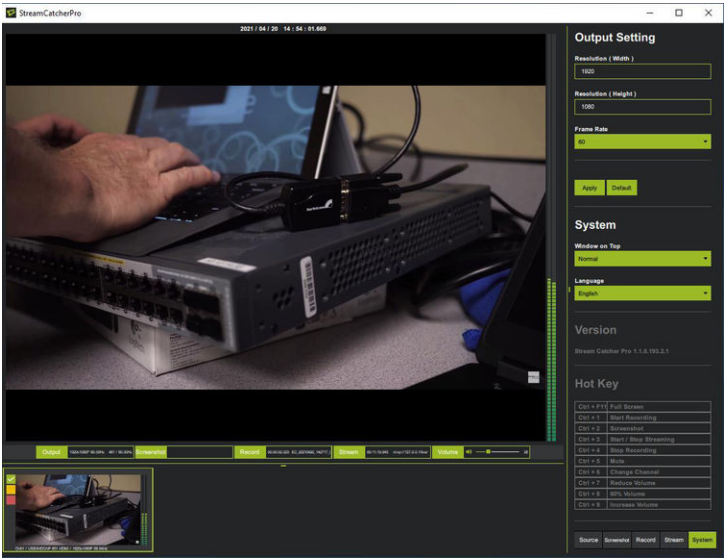
- **Bit Rate (Kbps) / GOP:** Select the desired **Bit Rate (Kbps)** and **Group of Pictures (GOP)**.



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



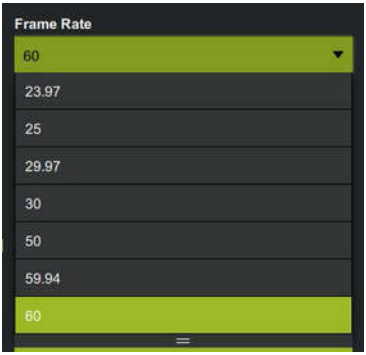
System Settings



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



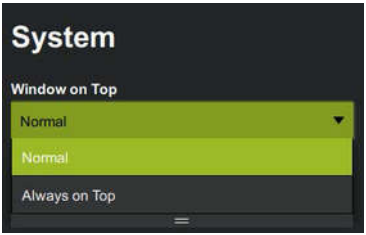
- **Frame rate:** Select the desired frame rate.



- 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.





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