Interactive Switch Manager

A stream sources switch controller for AREC Media Stations
Description

- Interactive Switch Manager allows users to **dynamically** switch media station’s video source. *Dynamic switching means the source switching can be applied during station is doing recording or streaming without interruption.*

- However, there is some limitations with it
  - The Dynamic switching only applies to steam sources, such as RTP, RTMP, RTSP
  - The video sources before and after switching must be the same protocol.
    - Ex. - original source: rtmp://192.168.0.178/live/test1
      - switch to source: rtmp://192.168.0.178/live/test2
  - The switching between different types of video inputs or protocols would require a reload of the video service, which not able to be accomplished during recording or streaming.
Release Notes

- v0.4
  - Add info logs
  - Fix "Different stream protocols can still be switched during recording or streaming"
  - Fix "Blank image after removing RTP/RTSP stream and set back to RTP/RTSP stream"
- v0.3
  - Fix "UI distortion when Windows display size scales to more than 100%"
  - Modify the source list file name from "school_uni.txt" to "source_uni.txt"
- v0.2
  - Media station's information can now be saved after applied
- v0.1
  - First release
Installation

● Portable Application
  ○ Unzip the packet and play!

● System Requirement
  ○ OS: Windows 10

● Pre-requirement
  ○ N/A
Compatibility

- Compatible with the following AREC Media Stations
  - LS-2 / LS-200 / LS-300 / LS-400
  - KL-3 / KL-3T / KL-3WT
  - LS-110
  - LS-860
Configuration

- Set up the source list
  - Open the `source_uni.txt`
  - Insert your stream source in the format below
    
    (*Source name and URL separated by a comma)
    
    - **Source_Name,** **Source_URL**

    Ex.
    
    - NTU, rtmp://192.168.0.178/live/ntu
    - NCTU, rtmp://192.168.0.178/live/nctu

  - Please note that there should be no whitespace character in the list
  
  - Add all the sources needed and save the file
Usage

- Make sure that `source_uni.txt` and `Interactive Switch Manager.exe` are under the same folder.
- Start the `Interactive Switch Manager.exe`.
- Insert your media station’s IP and administrator’s username and password.
- Select the video input channel you’re going to control.
- Select a source on the stream list.
- Click "Apply".