

A(utomated)Capture



Automated Photo/Video Testing

This project automates the process of testing photo/video capture (Android / USB webcam) devices, generation of reports and more.

- [Features](#)
- [Prerequisites](#)
- [Setup project](#)
- [Building](#)
- [Contact](#)
- [License](#)

Features:

- Persistence of devices settings
- Lights control of SpectriWave (easy to add support for more) with GUI and programmatically
- Light Intensity Sensors (Luxmeters) support (Currently supported - Konita Minolta CL-200A)
- Automated capturing of test cases - video/photo based on template build in GUI with different light temperatures and intensities.
- Integration with Imatest IT for automated images analysis

Tools:

- Generating of Objective Testing Reports based on requirements templates build in GUI and using imported files or automatically captured ones.
- Generating of Real-Life Testing Reports based on settings in GUI
- Extract frames from video (names extracted frames accordingly, supports multiple files at once, skipping frames, etc)

Android*:

- Roots, Remounts device automatically

- Sets device sleep time to max, wakes device etc automatically
- Execute taps on Android devices screens (actions) => Works on any rooted Android
- Supports multiple actions (called actions sequence) for capture of video / photos (ex change mode to video then shoot video)
- Capturing Images / Videos using device
- Pulling captured Images / videos to the computer
- Renaming of pulled Images / videos properly
- Getting logs automatically

Android with GUI*:

- Push one or multiple files to device's specific directory
- Pull one or multiple files from device using a visual tree GUI (work in progress)
- Easy to use text editor for frequently used text files (for ex. camxoverridesettings.txt)
- Reboot Device
- View device info (build, android versions etc)
- Device screen control and mirroring

for automated/semi-automated testing:

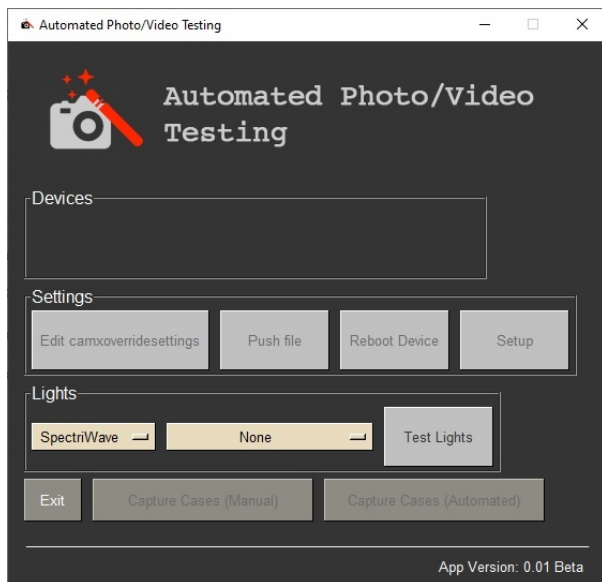
- Setup action sequences in GUI
- Enable/Disable logs during testing
- Add logs filter string
- Change default images capture app for automated testing (dropdown of all apps on device)
- Add a time gap between actions to give time to the device to load the screens and etc

*requires device to be rooted

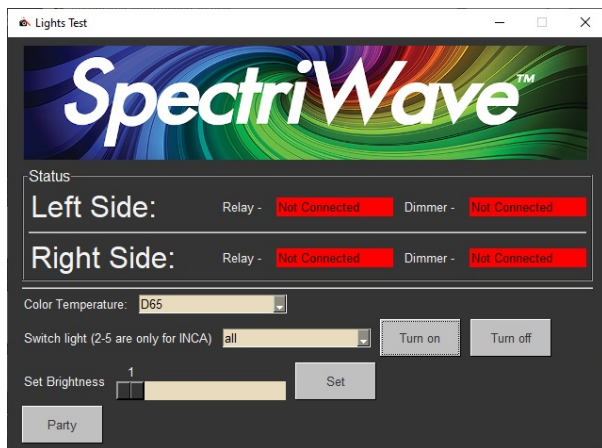
Devices:

- Set friendly name of device (used for naming saved files/folders etc)
- Identify device (Blink screen/leds)
- Attach to and capture using multiple devices at once

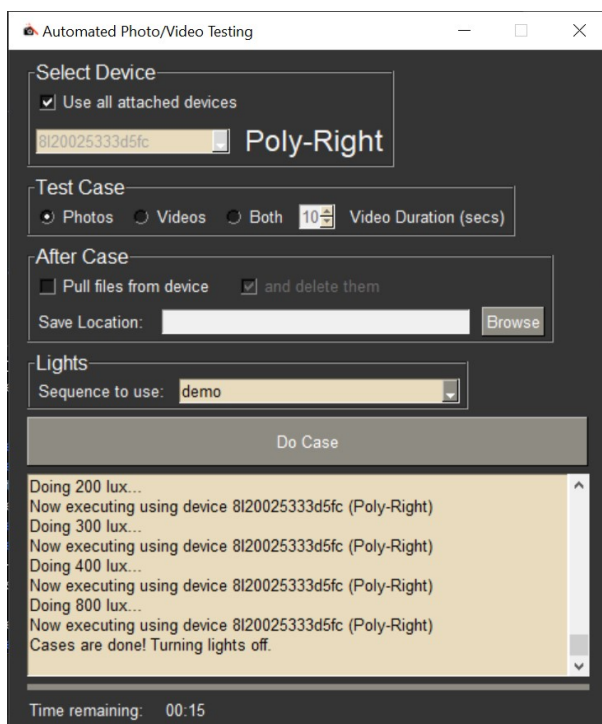
App GUI Preview



Lights Control GUI Preview



Automated Cases GUI Preview



Contact

If you want to contact me you can reach me at mmaslyankov@mm-sol.com

License
