Part I - Introduction to RICOH THETA Plug-ins

Estimated Time

- 20 minutes

Learning Objectives

- Understand RICOH camera, 360 media
- Understand what a plug-in is
- Understand advantages of plug-in
- Understand basic Android platform tool workflow with adb
    - Login with adb shell
    - Go into DCIM file structure to find file name
    - Transfer file with adb pull

Participant takeaways

- Plug-in apk in their camera and on their workstation
- Plug-in provides their camera with unique features
    - Bracketed dual-fisheye images
    - Unique Magenta LED color
    - Unique flashing of LED at faster than normal speed
- Unique dual-fisheye images on their camera and on their workstation
- Transfer tool adb installed on their workstation

Outline

1. Introduce presenter and theta360.guide group 1 minutes
2. Introduce Ricoh - 30 seconds
3. Introduce camera - 3 minutes
    a. What is the THETA
    b. What is 360 image, 360 video, live streaming
    c. Demo 360 image and video
    d. Explain that the plug-in can alter both the image and the process by which the image is taken and viewed
4. Introduce plug-in - 3 minutes
    a. Demo plug-in: dual-fisheye
        i. Explain that how the dual-fisheye image is different from a normal camera image

        ii.   Explain advantage of the dual-fisheye plugin
                1.   Can take image in 1 second instead of 4 seconds
    b. Explain what a plug-in is
5. Install pre-compiled apk using adb - 9 minutes for steps a and b
    a. Install adb, a 4.5 MB file from Internet or thumb drive - 8 minutes
        i.   https://developer.android.com/studio/releases/platform-tools
    b. Install with adb install dualfish.apk - 1 minute
        i.   We provide apk on Internet and thumb drive (we have a couple of thumb drives people share)
6. Transfer image to computer - 2 minutes
    a. Use USB cable and drag and drop dual-fisheye image to computer