

# **Media Production: Technology and Design (ELEC 1020)**

## **LAB 10**

### **360 Videos with Adobe Premiere Pro CS5.5**



# Scoring Rubric For the Labs

max. 4 (100%) out of 4	4 (100%) Exceeds Standard	2 (50%) Meets Standard	1 (25%) Approaches Standard	0 (0%) Fails
Evaluation of your production in terms of design and technical effectiveness	On top of the <b>standard</b> deliverables, students showed <b>unusual insight, complexity, originality, or creativity</b> with his/her message or choice of an art form or medium to express it.	Students completed <b>ALL</b> required message and reproduced an art form or medium that expected.	Students <b>partially</b> completed the required message and reproduced an art form or medium that expected.	Students <b>FAILED to complete any</b> require message and reproduce any art form or medium that expected.
	Work shows <b>rich</b> evidence that student researched his/her <b>OWN</b> ideas, art form, and the techniques of your art form.	Work shows <b>full</b> evidence that students completed the required ideas, art form, and the techniques of art form expected.	Work shows <b>partial</b> evidence that students completed <b>some</b> required ideas, art form, and the techniques of art form expected.	Work shows <b>NO</b> evidence that students completed any required ideas, art form, and the techniques of art form expected.

# Outcomes of this lab

1. Learn 360 video latest technologies, camera and viewer products, and trends;
2. Create a high quality 360 video to let a user to explore & experience a place in UST

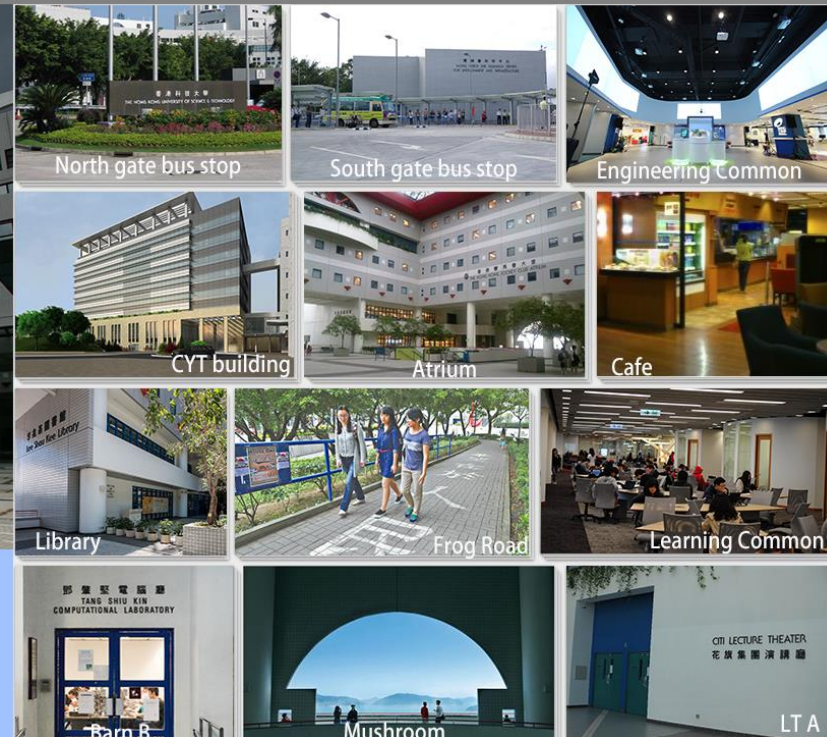
## Attention

- Pick a place before shooting
- Follow your TAs for the shooting

# Final Goal

## Example outlook

≡ HKUST 360 campus view



# Steps

- Install “Theta S” app
- Connect your phone to the camera’s WiFi and start shooting
- Transfer the 360 video from the camera to computer through your app
- Edit and export the video in Premiere with size **1920x960**
- Use **360 Video Metadata Tool** to convert the video, then upload to YouTube



# Control Ricoh Theta S

Step 1: Download the app “Theta S” from app store or play store



Step 2: Open the camera and WiFi



3 buttons:

- Power
- Wi-Fi on/off
- switch video/camera

Step 3: After download the app, connect your phone to the camera.

Open WiFi setting and choose:

- Name: THETAXSxxxxxxxxx.OSC
- Password: xxxxxxxxx from Name
- Ask your TA for the “xxxxxxxxx”

# Control Ricoh Theta S

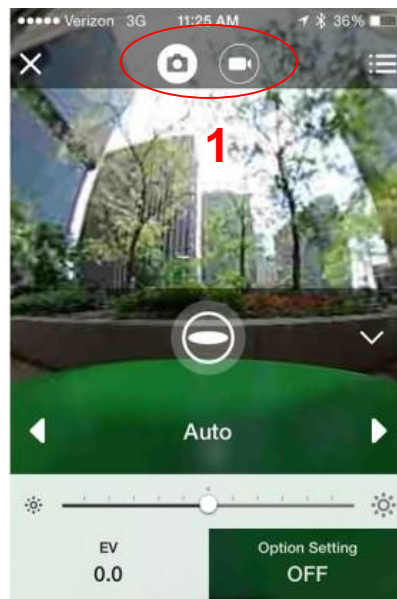
Step 4: Switch the mode between take photo or record video

- Press camera or

Switch button



- Using app



# Control Ricoh Theta S

Step 5: Start taking photos or recording videos

- Using the buttons on the camera, or



- Using app

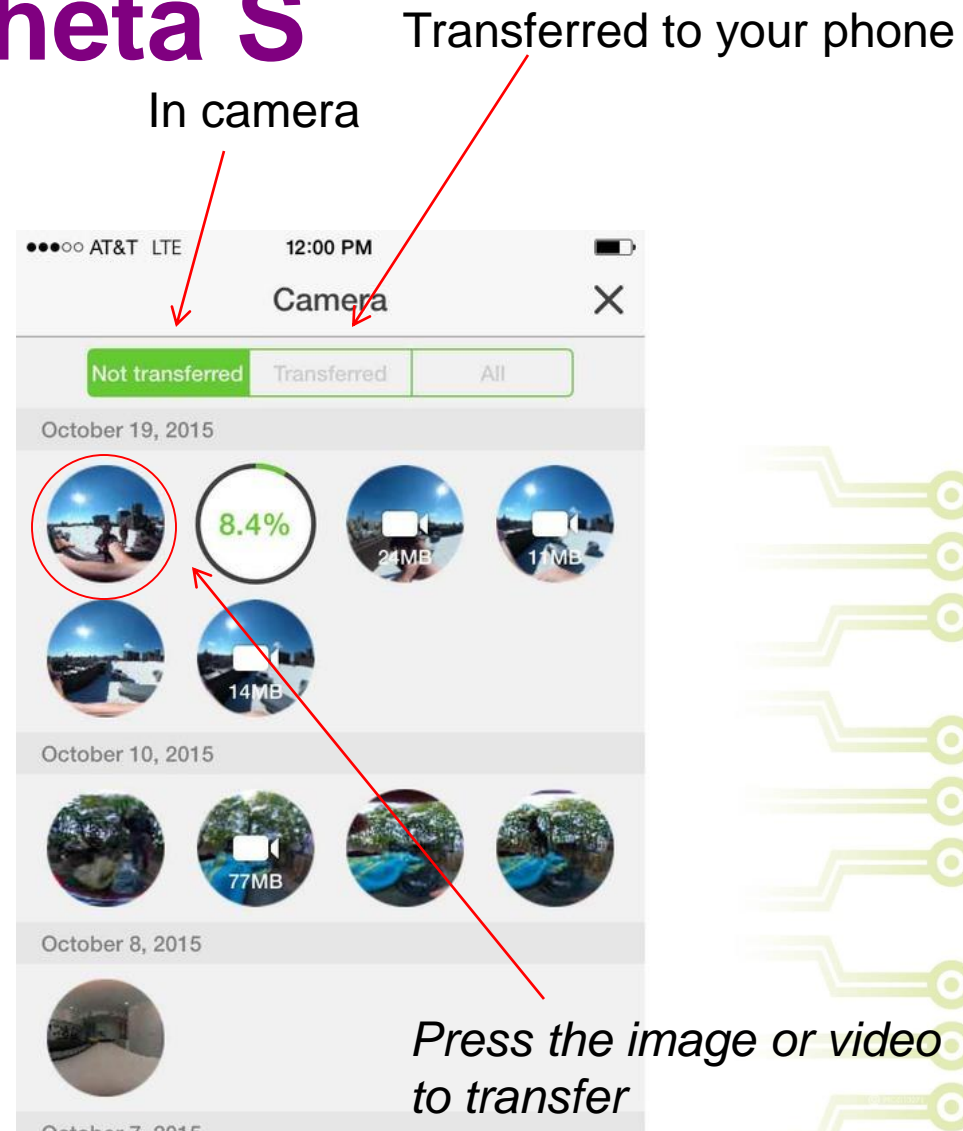
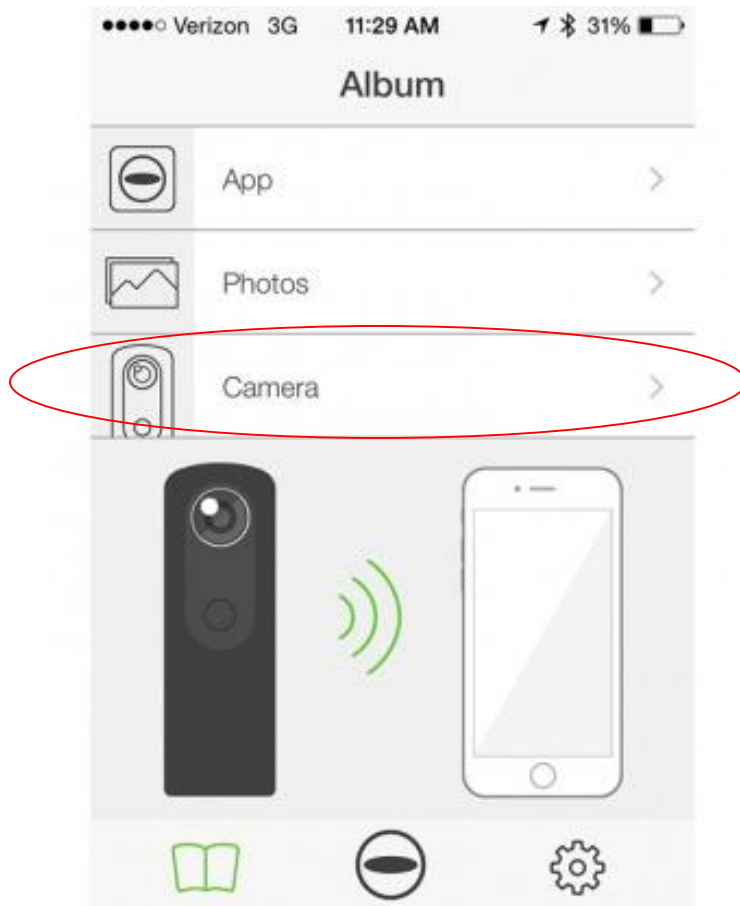


- \* Photo **CAN** be previewed
- \* Video **CANNOT** be previewed



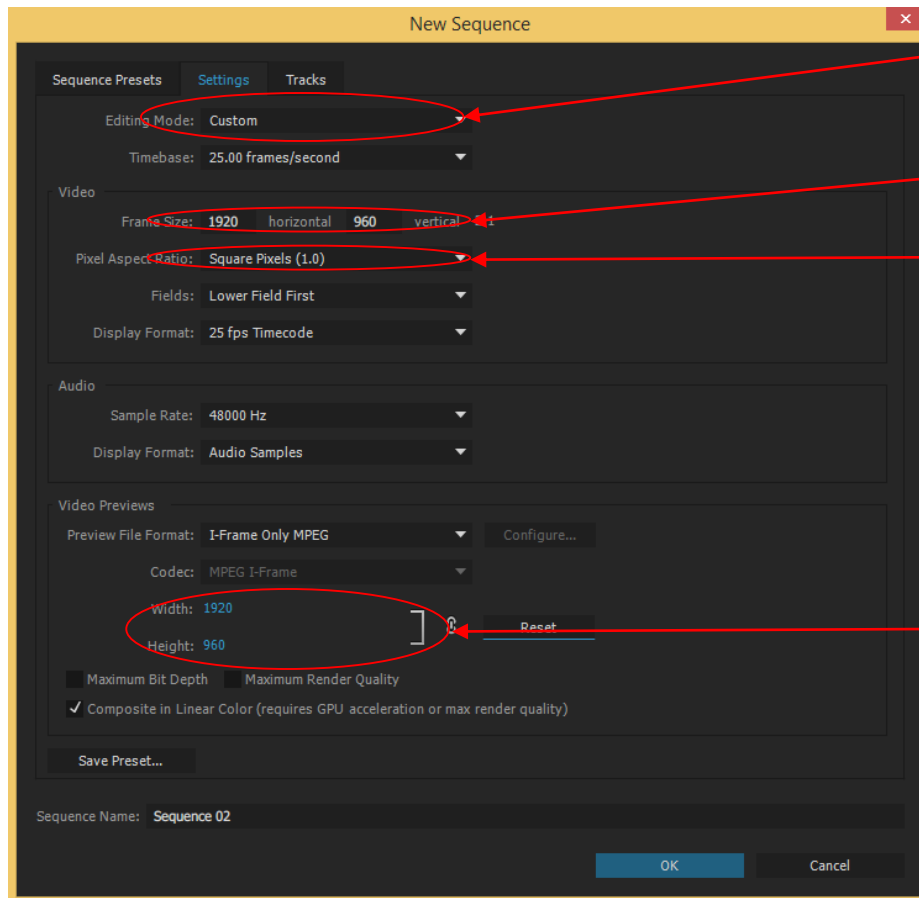
# Control Ricoh Theta S

## Step 6: Transfer images/videos



# Edit in Premier Pro

## Step 7: Import into Premier Pro and Edit



Use custom setting

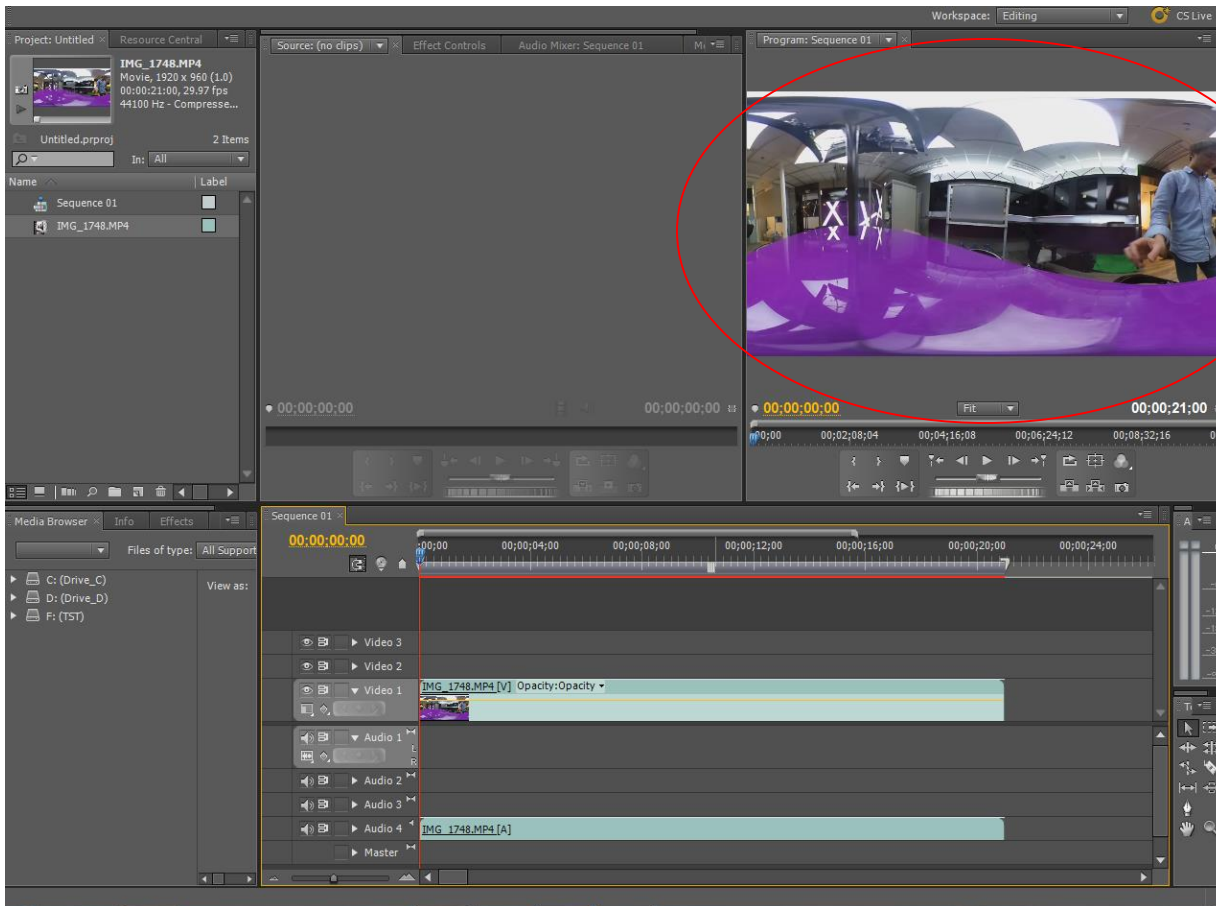
Make sure to set it 1920x960

Make sure to set square pixels

Set the preview setting also by Pressing "Reset"

# Edit in Premier Pro

## Step 7: Import into Premier Pro and Edit



As this

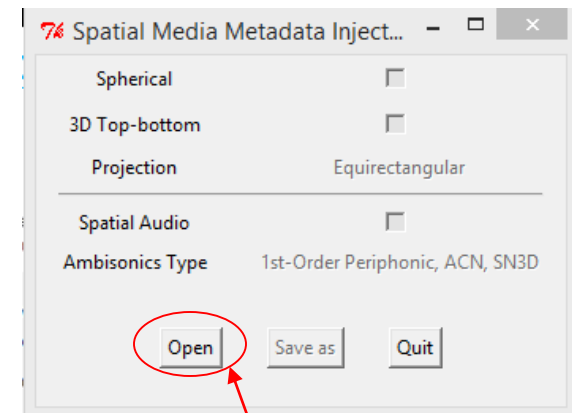
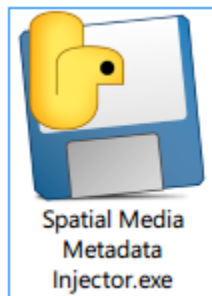
Edit timeline to  
combine different clips

# Inject 360 metadata

Step 8: Inject 360 meta data using **360 Video Metadata Tool**

Windows: <https://github.com/google/spatial-media/releases/download/v2.0/360.Video.Metadata.Tool.win.zip>

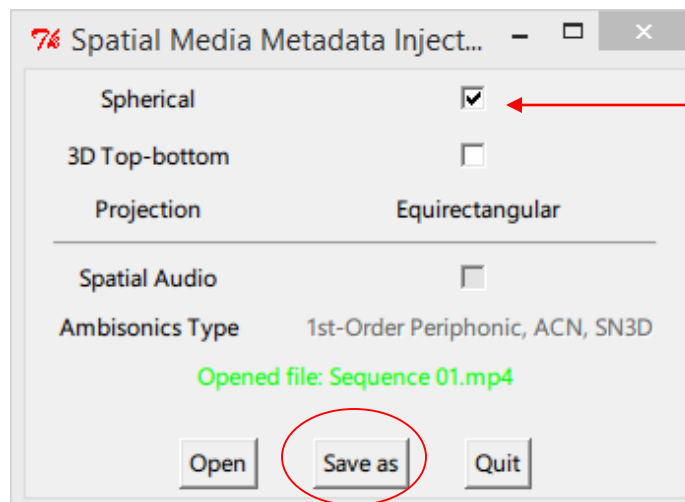
Mac: <https://github.com/google/spatial-media/releases/download/v2.0/360.Video.Metadata.Tool.mac.zip>



“Open” the video exported from Premier

# Inject 360 metadata

Step 8: Inject 360 meta data using **360 Video Metadata Tool**



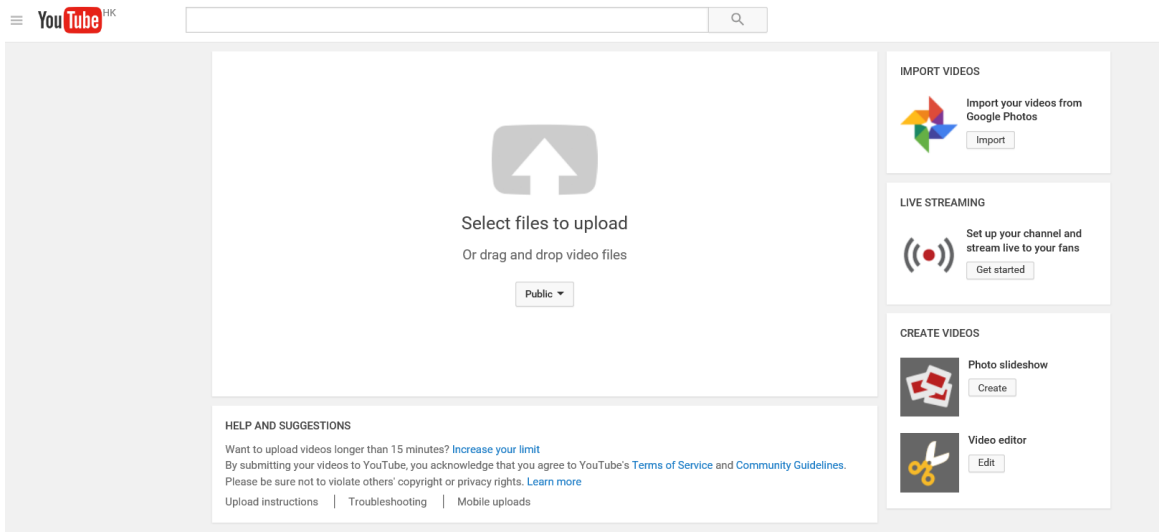
Check "Spherical"

"Save as" the video to inject 360 metadata



# Upload to Youtube

## Step 9: Upload the video to YouTube



Wait till



# Locations (Session 2)

## TA1:

1. Cheng Yu Tung Building
2. South gate bus stop

## TA2:

3. LG7 (outdoor)
4. Path to LG5 (偷情小徑)

## TA3:

5. LG4 common room
6. Bridge link (LG5 to Hall 1)

# Locations (Session 3)

## TA1:

1. LG1 canteen (outdoor)
2. Cafe

## TA2:

3. Library (LG7)
4. Library (LG1)

## TA3:

5. McDonald
6. LG7 Canteen

# Basic Tasks (6-7 a group)

## Create a 360 video

1. Form a group and pick a location
2. Follow your TA accordingly and take the video
3. Total duration for 2 groups: 45 mins
  - 15 mins for shooting per group
  - 15 mins for transition
  - 20s per position (min. 3 positions per location)
  - 9 videos in total per group
4. Make sure the quality of the shooting, take multiple shoots

# Creative Tasks (Individual)

1. Create a 1 min. high quality 360 video to let a user to explore & experience a place in UST
  - Add audio/background music and edit with suitable techniques
  - Ensure high visual quality
2. Post a YouTube link to Facebook with your IDs
  - YouTube ID: [elec1020.2016spring@gmail.com](mailto:elec1020.2016spring@gmail.com)
  - PW: elec1020issofun
  - Deadline: Tomorrow noon