

MIT 4.562 4.502 Fall 2024 Assignment 3

Lab Instruction Part 2:

3D Scanning using Polycam

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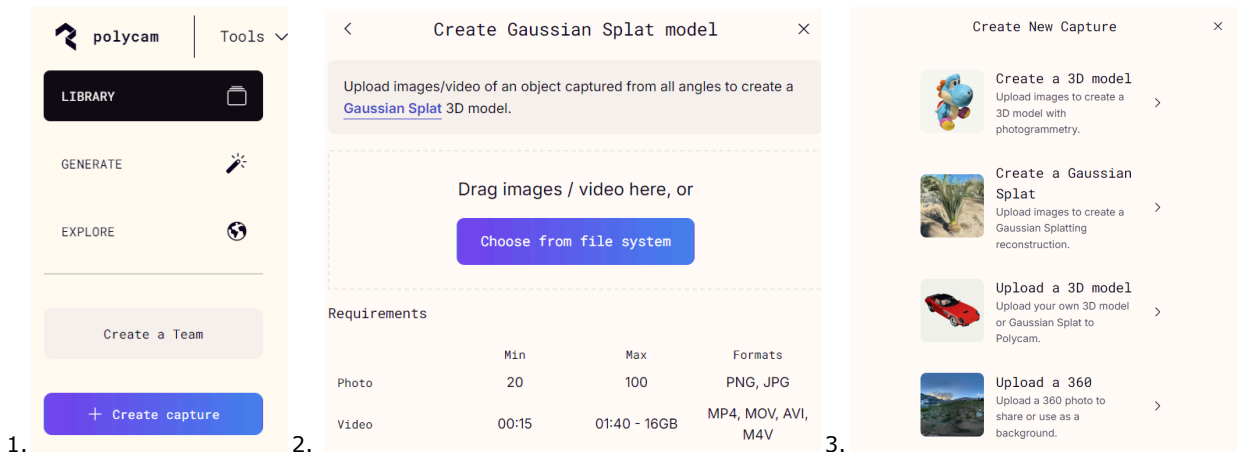
Last modified : 2024/10/06

A. Polycam Guide

For the course project the students are encouraged to use a free account which they can register at poly.com. A free account allows basic processing of photos and videos to create 3D models via either photogrammetry (Create a 3D Model) or a Gaussian Splat (Create a Gaussian Splat).

Basics operation in Polycam:

1. Register for a Polycam account at poly.com.
2. Create a photogrammetry/Gaussian Splat project using "Create Capture".
3. Upload photos or video to Polycam cloud server. Uploads limits are as follows.



4. Wait for the capture to be processed. Usually a 100-photo Gaussian splat project takes 40 minutes from uploading to finishing.
5. Examine the finished result in your project library.



6. Use "Download" on the upper right ribbon to export GLTF (.glb) format to Import into Rhino 8.