



## PyScan (Team 22)

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### Description & Purpose

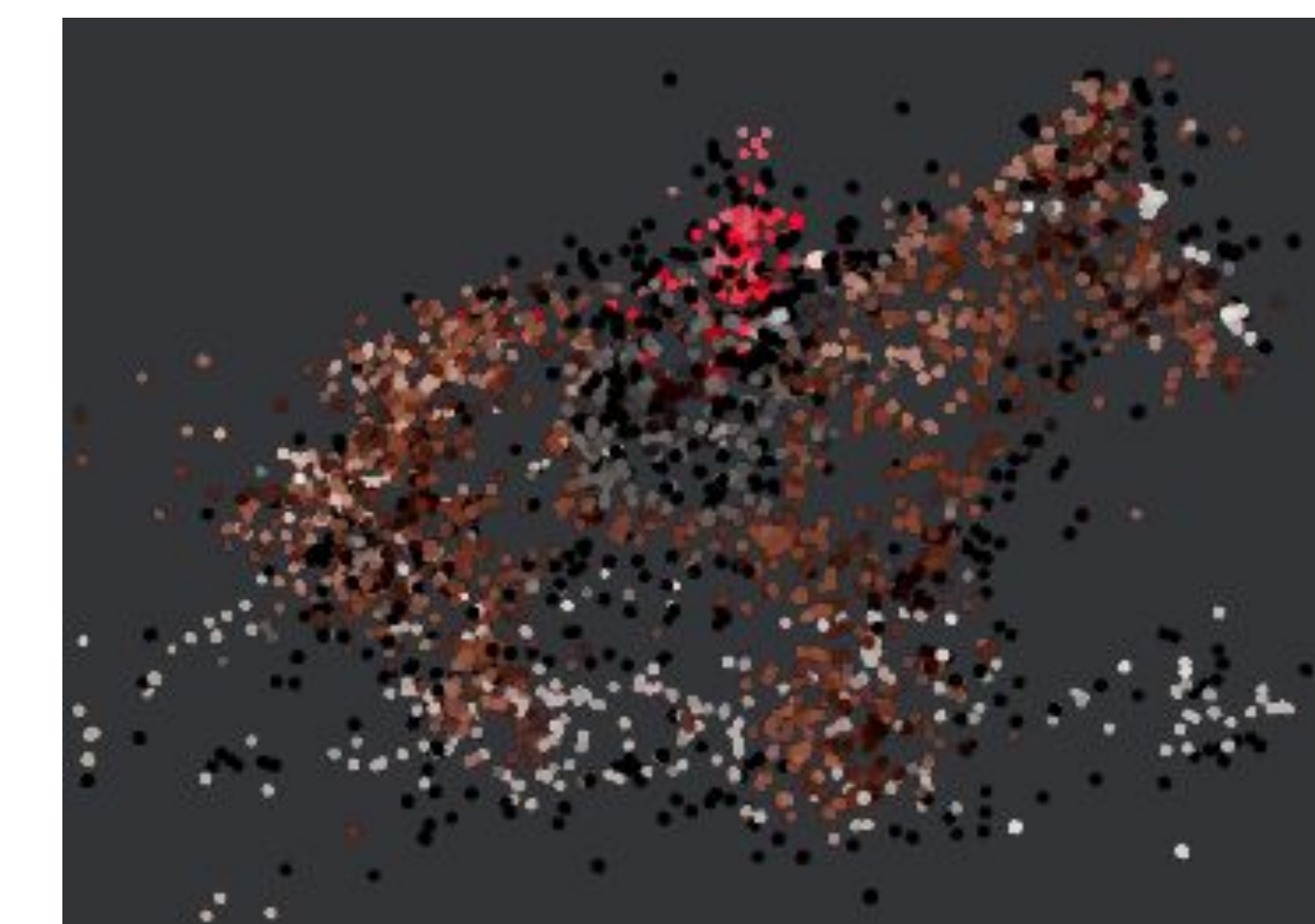
- PyScan is a photogrammetry project being undertaken to learn more about the process of photogrammetry
- Photogrammetry has applications in media and entertainment, as well as the preservation of historical artifacts
- This project showed us the necessary requirements and limitations for amateur-level photogrammetry and how they can be overcome



Background Subtracted Image

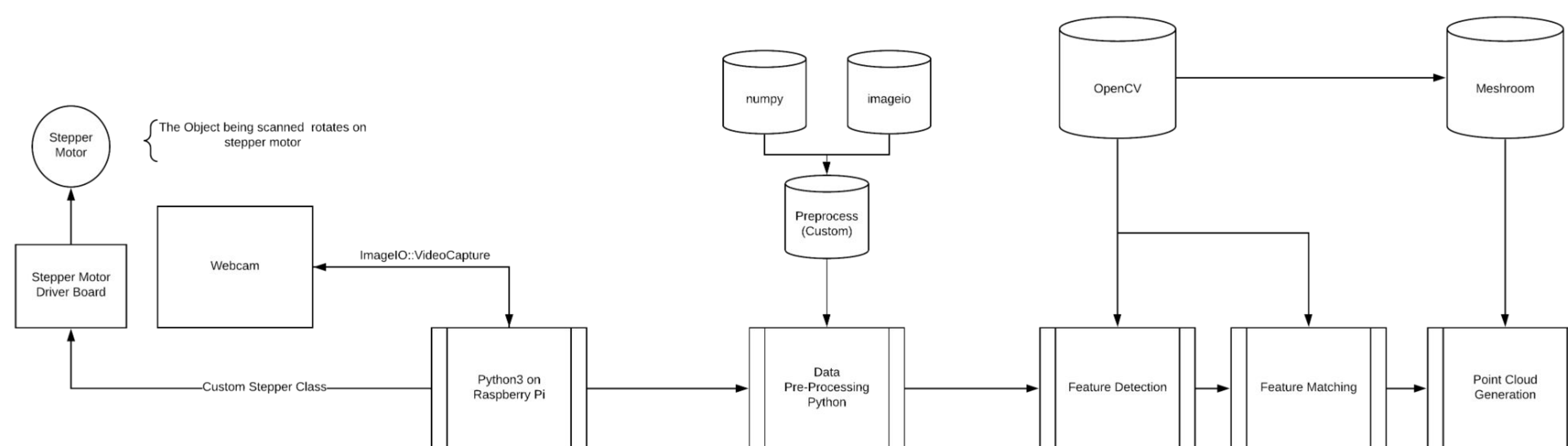


Feature Matching



Generated Point Cloud

### Design



### Ethical & Intellectual Property Issues

- Relied on open source projects
  - Restricted by the licenses of the modules and libraries we used
  - OpenCV 5 is under the Apache 2 license
  - AliceVision/Meshroom is under MPL 2 license