

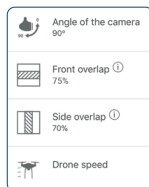
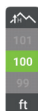


☐ EQUIPMENT




- ☐ Drone
- ☐ SD cards
- ☐ Batteries (charged)
- ☐ Remote control (RC/charged)
- ☐ Mobile device
- ☐ Appropriate wire to link RC and mobile device

☐ MISSION PLANNING

- ☐ Area is clear of obstructions (powerlines, trees, steep terrain changes, crowds, etc.)
- ☐ Check airspace and obtain LAANC authorization
- ☐ Power on RC
- ☐ Power on Drone
- ☐ Connect RC to mobile
- ☐ If no LTE, connect hotspot
- ☐ Open **PIX4Dcapture app** 
- ☐ Tap  **SETTINGS** button
- ☐ Ensure *Units* are set to **Feet**
- ☐ Select 
- ☐ Establish mission
- ☐ Tap the **center of the screen** for new mission
- ☐ Tap  to adjust mission's shape
- ☐ Tap  to add new nodes
- ☐ Drag a node near a partner node to delete it
- ☐ Set *Flight altitude*: **100ft or 2-times the tallest nearby structure**
- ☐ Tap  button
- ☐ *Angle of camera*: **90°**
- ☐ *Front overlap*: **75%**
- ☐ *Side overlap*: **70%**
- ☐ *Drone speed*: **Normal**







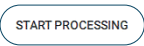
☐ FLIGHT

- ☐ Tap  button
- ☐ Tap  button
- ☐ All green checkmarks populate the *flight checklist*
- ☐ Tap  button
- ☐ Confirm drone is flying mission autonomously
- ☐ Maintain visual line of sight
- ☐ Home position clear of obstructions before landing
- ☐ Following mission, allow drone to return to home position, descend, and land autonomously
- ☐ Power off drone, RC, and remove mobile link

☐ POST FLIGHT

- ☐ Create a new folder on a computer
- ☐ Remove SD card from drone
- ☐ Connect SD card to computer
- ☐ Copy images to the created folder on the computer

☐ MAP PROCESSING


- ☐ Open **PIX4Dreacht** 
- ☐ Click 
- ☐ Set units to **imperial**
- ☐ Click 
- ☐ Click 
- ☐ Navigate to folder where the images were copied
- ☐ Hold the **Ctrl** button down and Press the **A** button on the keyboard to select the images
- ☐ Click the **open** button
- ☐ Click 

☐ POST PROCESSING

Hold down the **left-click** of the mouse to pan around

Scroll the **mouse wheel** back and forth to zoom in and out

The following tools are available on the left side of screen:

-  **Move** (arrow button): Enables navigation throughout the map
-  **GPS** (crosshair button): Displays a GPS position on the map when clicked
-  **Measure** (ruler button): Enables relative measurements of lines or areas
-  **Mark** (location button): Enables placement of discrete points, lines, or polygons on the map

☐ EXPORT

- ☐ Click 
- ☐ For a orthomosaic, select **GeoTIFF**
- ☐ For a PDF report, select **PDF**
- ☐ For a screenshot, select **JPG**
- ☐ Click 
- ☐ Navigate to the project folder
- ☐ Click the **Select Folder** button to save the file(s)
- ☐ Open a *File Explorer* window
- ☐ Navigate to the project folder
- ☐ Locate the orthomosaic, report, etc.