

Capture guidelines

Roof / Buildings.

This guide covers best practices for surveying roof and buildings, from special considerations, points of interest and a general flight guide.

Considerations

- Get a good overlap between images ideally 40% so that we can review from different angles.
- Fly slowly and use a fast shutter speed to ensure images are sharp.
- Try to film with overcast day when there is flat uniform lighting if it is sunny the try to film with the sun at the highest point (midday) to reduce shadows and contrast.
- If very bright day, try and capture in HDR for areas in shadow.
- Any areas of concern take more pictures from different angles and advise of the concern (pooling water, cracking, loose mortar, or leaks)
- Advise if it has rained recently and the severity so we can allow for this.

Flight path

- Capture one shot to show complete overview of the buildings being inspected for orientation.
- Capture all the images for a roof section at one time, and where multiple roofs are being captured, try to undertake in a logical path around the site, not random roofs.
- Ensure you regulatory check the target roof is in focus.
- Track the drone sideways along the roof and use lawnmower pattern to capture all areas, for dormers and extension ideally rotate (yaw) the drone to remain tracking along the roof.
- Fly as close as you are comfortable with to the roof to ensure all the details are captured.

40% overlap

