

# DJI Phantom 4 with RTK module

## Optimal flight settings

Height(M)(GSD 1.01 cm/pixel)

- 37 +

Speed (M/s) (Max Speed: 2.9)

- 2.8 +

Shooting mode

TIMED SHOOTING ▾

Finish

RETURN-TO-HOME ▾

Altitude Optimization ☒

When enable, aircraft will fly to the center of the survey area to collect a set of tilt photos after the flight is completed, to optimizing the altitude accuracy.

(Actual Flight Altitude: 37 m)

Relative Height(m) ?

- 0 +

Camera Settings

Advanced Settings

Advanced Settings

Horizontal Overlapping Rate (%)

- 60 +

Vertical Overlapping Rate (%)

- 80 +

Margin setting

AUTO ▾

Camera Settings

White Balance

SUNNY ▾

Metering Mode

AVERAGE ▾

Gimbal Angle

- -90 +

Shutter Priority ☒

1000 ▾

Distortion Correction ☐

⚠ Special attention

**Route Altitude:** Setting the Height(M) to 37 will adjust the GSD value to 1.01 cm/pixel. If the site contains tall objects, measure their height using the drone and add an additional 10 meters for safety.

**Altitude Optimization:** Enabling this option is essential, so please ensure it is not overlooked.

**Shutter:** Because the job site is active (e.g., equipment is moving), set Shutter Priority ON and the shutter speed to 1000 to prevent motion blur. This will improve the quality of your ortho images and, consequently, the accuracy of the point clouds.

**Distortion Correction:** Ensure Distortion Correction is turned off.