

# DJI M350 or M300 with RTK module

## Optimal flight settings

Area Route

SmartConstruction

M350/M300 RTK P1 35mm

Ortho Collection Oblique Collection

Ortho GSD cm/pixel

-1 -0.1 1.00 +0.1 +1

Altitude Mode

Relative to Takeoff Point (ALT)

Route Altitude (12~1500m)

-100 -10 -1 80.00 +1 +10 +100

Elevation Optimization ☒

Safe Takeoff Altitude (2~1500m)

-100 -10 -1 37 +1 +10 +100

Speed (0.1~11.2m/s)

- 8.5 +

Course Angle (0~359°)

- 344 +

Upon Completion

Return To Home

Advanced Settings

Advanced Settings

Target Surface to Takeoff Point (-200~1500m)

-100 -10 -1 0.0 +1 +10 +100

Side Overlap Ratio (10~90%)

-100 -10 -1 60 +1 +10 +100

Frontal Overlap Ratio (10~90%)

-100 -10 -1 80 +1 +10 +100

Margin (0~100m)

-100 -10 -1 0 +1 +10 +100

Photo Mode

Timed Interval Shot

Custom Camera Angle ☐

Route Start Point Set

Takeoff Speed (1~15m/s)

- 15 +

### Special attention

**Area Route Name:** When naming the area route, use only letters, numbers, underscores, and dashes to prevent file corruption.

**Drone Selection:** We support the use of M350 and M300 drones equipped with the P1 lens. For optimal results, we recommend setting the lens to 35 mm.

**Route Altitude:** Setting the Ortho GSD to 1 cm will adjust the route altitude to 80 meters. If the site contains tall objects, measure their height using the drone and add an additional 10 meters for safety.

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

**Speed:** While flying at maximum speed is theoretically acceptable, we recommend slightly reducing the speed to maintain high image accuracy during turns.

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### Mapping Checklist

2% 14.4V

RTK Not Connected

65%

26.09 G

42429 m	1 h 24 m 49 s	128	0.99 cm/pixel	5500 times
Distance	Estimated Time	Waypoints	Reconstruction GSD	Payload 1 Photos
Safe Takeoff Altitude	-100 -10 37 +10 +100	Save Photo	Zenmuse P1 - 35 mm	
Flight Route Complete Action	Return To Home	Signal Lost Action	Return To Home	
Create Folder	SmartConstruction	Camera Mode	Auto S A M	
Dewarping		Shutter	1/1000	
White Balance	Auto			

Back

Upload flight mission

### ! Special attention

**Shutter:** Because the job site is active (e.g., equipment is moving), set the shutter speed to 1/1000 to prevent motion blur. This will improve the quality of your ortho images and, consequently, the accuracy of the point clouds.

**Dewarping:** Ensure dewarping is turned off.