

Requirements and operating conditions

TOPODRONE P61 is designed for use in open areas in weather without precipitation.

Do not operate the TOPODRONE P61 in rain, snow, sleet, hail or fog.

TOPODRONE P61 does not have IP protection, and if this recommendation is violated, moisture may get on the surface of the camera lens and inside the device. This may degrade the data received quality, as well as damage the internal structure of the TOPODRONE P61. If precipitation starts during the flight, we recommend to stop operating, land the drone, and wipe it with paper towels and put it in the transportation case.



Icing of the drone during flight at -18°C
M200 propeller

Icing of the DJI

Operating TOPODRONE P61 in sub-zero temperatures and high humidity (above 80%) can lead to icing of the equipment and drone. This may deteriorate the quality of the acquired data, as well as cause damage to the structure of TOPODRONE P61 in case of falling due to icing of the supporting propellers. It is strongly recommended to warm up the device for 3-5 minutes in a warm room before starting the operation.

Application of TOPODRONE P61 for water surface photography is not effective due to small number of connecting points on water surface at the stage of photogrammetric post-processing.

For correct post-processing of data it is necessary to perform at least 4 parallel flights with side and frontal overlaps of at least 65% relative to each other. Performing the route in one or two flights is not

efficient and will result in large distortions and low accuracy of the final materials. The recommended flight speed is 5 to 15 m/s depending on the height, the size of the frontal overlaps.

In case of insufficient quality or complete absence of GNSS signal, operation of TOPODRONE P61 makes no sense. The minimum number of visible satellites is 8. It is strongly recommended to check the weather conditions and the number of visible (caught) GNSS satellites before the flight, for example, in the UAV Forecast service.

Operation of TOPODRONE P61 requires careful attitude to the main lens of the camera lens. Do not allow sand, dirt, dust, water, metal chips and other fluid, abrasive and chemically active substances to get on any components of TOPODRONE P61.

The manufacturer is not liable for any damage to the equipment if it is used outside the recommended operating conditions.

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