



Changes or modifications not expressly approved by the manufacturer could compromise the system safety and void the equipment warranty.

Laser Safety

The laser scanner instrument embedded in this YellowScan system is classified as Class 1 laser product in compliance with International Standard IEC 60825-1:2014 Safety of Laser Products – Part 1: Equipment Classification and Requirements.

Class 1: Laser products that are safe during use, including long-term direct intra-beam viewing, even when exposure occurs while using telescope optics. Class 1 also includes high power lasers that are fully enclosed so that no potentially hazardous radiation is accessible during use (embedded laser product).

(IEC 60825-1:2014, Sub-clause C.2).

In case of a system crash, the laser emitter can be directly exposed and approaching it may be dangerous.

Depending on the scenario, you will have two options:

- The UAV motors still running and it is not possible to stop them: establish a safety perimeter of 25 m around the crash area and prohibit access until the batteries (drone and lidar system) are empty.
- The UAV motors are not running anymore, and you can approach to the drone: While wearing the protective goggles you can extract the battery of the lidar system and neutralize the laser beam emission.

DO NOT manipulate the system while powered and wear protective goggles at all times.

In the event of an in-water crash, both the system and the UAV are likely to be shorted and not functioning. Please exercise caution when retrieving the goods, especially if swimming is involved. Wear protective goggles and immediately remove the batteries upon retrieving everything.

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