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Drone flight and images capturing methodology

Drone flight methodology

To allow our AI solution compile orthomosaic from images and successfully detect damages, drone images require proper quality and parameters:

- a) drone flight should be conducted according to norm IEC TS 62446-3:2017
- b) image format: jpg, jpeg
- c) lens size for RGB images: wide with sensor e.g., 1/2.3" CMOS, 12 MP
- d) Ground Sampling Distance (GSD): at least 3 cm per pixel - recommended GSD is 2.3 cm/px
- e) course angle: 0°
- f) frontal overlap ratio: 50%
- g) side overlap ratio: 50%
- h) flight height: 25 meters
- i) flight margin: from 2 to 3 meters
- j) color scale for thermal images: Ironbow

