Draft1 - Sequence

I - Definition

A frame describes a video at a given time. A frame should be linked to a sequence.

II - Attributes

II.1 - Definitions

A sequence can have the following attributes:

- camera_orientation, three angles which describe the orientation of the camera. One is called camera_orientation_north, it corresponds to the "yaw", the angle in comparison to the north. The other is called camera_angle_vertical, it corresponds to the "pitch". The last one is called camera_angle_horizontal, and corresponds to the "roll".
- drone_gps_coordinates, the GPS coordinates of the drone.
- **detected_object**, if one or multiple objects are detected on the frame.
- frame_time, the time of the frame on the video.
- **zoom_ratio**, the zoom ratio between the shortest and the current focal. The ratio is equal or greater than 1.

II.2 - Description

II.2.1 - Graphical representation

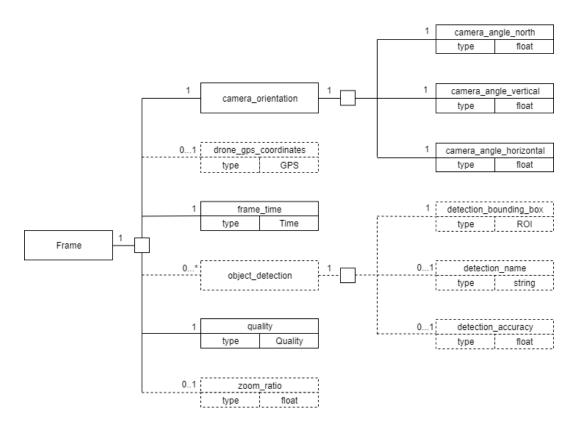


Figure 1: Graphical representation of a frame

II.2.2 - Description table

Name	Type	Expected length	Optional	Significant
$camera_orientation$	Orientation	-	Yes	2
$gps_coordinates$	GPS	-	Yes	2
$detected_object$	Detection	-	Yes	2
$frame_time$	Time	-	No	1
quality	Quality	-	No	-
zoom_ratio	float	-	Yes	2

Table 1: Description table

III - Examples

Figure 2: Example of a frame in json