

I - Definition

We call an **video** a movie, or other visual media product featuring moving images, with or without audio, that is recorded during an intervention. A video should be linked to a mission, and could be linked to a sensor.

II - Attributes

II.1 - Definitions

A video can have the following attributes:

- **codec_used**, the codec used to encode a video, like "x264" or "mp1v"..
- **stop_recording_time**, when we stop the video.
- **focal_length**, the focal length of the camera taking the video.
- **video_extension**, the extension of the video, like ".mp4" or ".avi".
- **frame_per_second**, the number of frames in one second of video, like 8 or 24 frames per second.
- **video_path**, the path of the video in the media asset management, like "/home/eeyes/data/video/video21.mp4".
- **horizontal_resolution or vertical_resolution**, for each frame, horizontal_resolution (resp. vertical_resolution) is the number of pixels contained within a line (resp. a column) of the picture. The horizontal resolution could be 356, and the vertical 256.
- **start_recording**, when we start recording the video.
- **type_of_video**, the type of video is either one video in the visible or one in the infrared light spectrum.

II.2 - Description

II.2.1 - Graphical representation

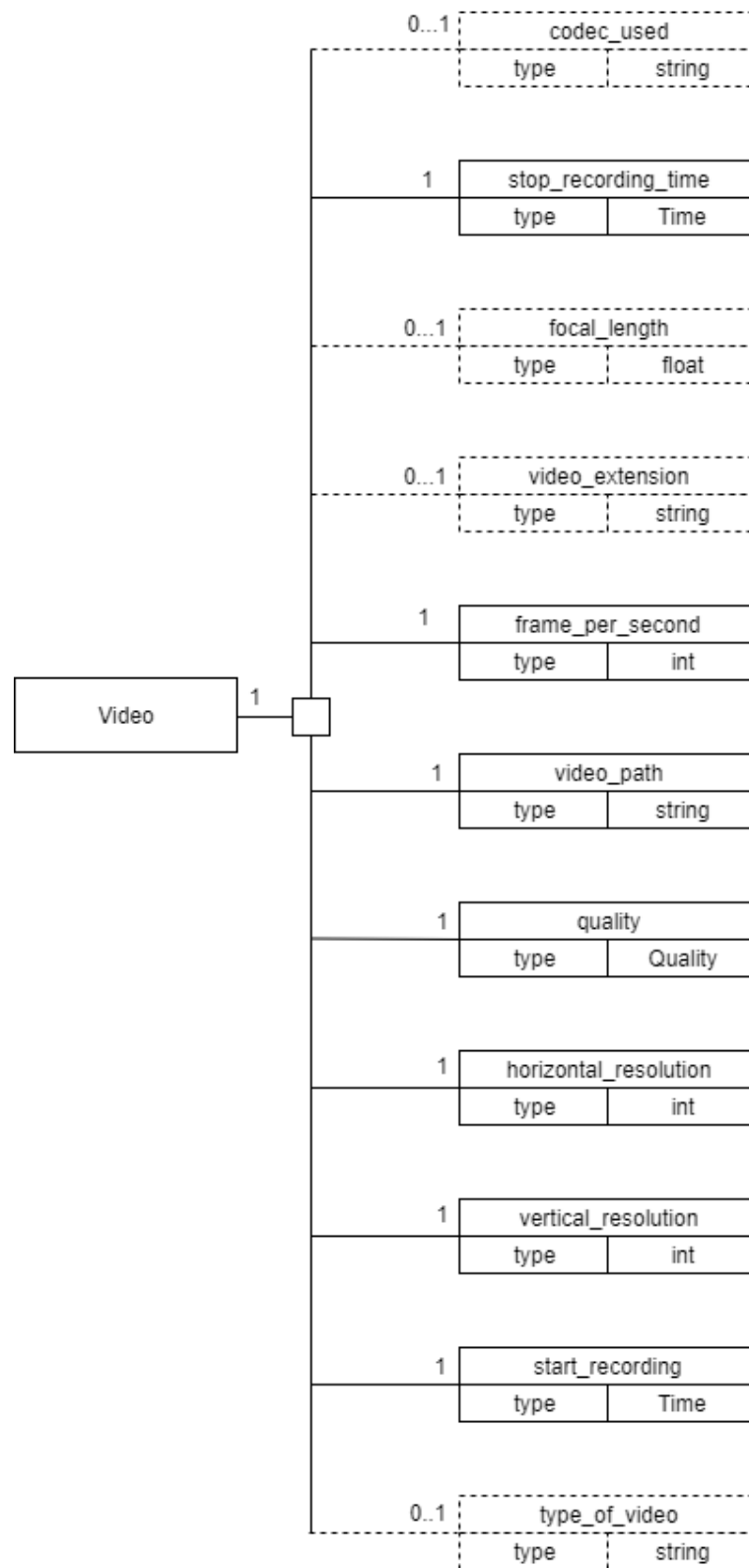


Figure 1: Graphical representation of a video

II.2.2 - Description table

Name	Type	Expected length	Optional	Significant
<i>codec_used</i>	string	~10	Yes	3
<i>stop_recording_time</i>	Time	-	No	1
<i>focal_length</i>	float	-	Yes	4
<i>video_extension</i>	string	~4	Yes	2
<i>frame_per_second</i>	int	-	Yes	2
<i>video_path</i>	string	~100	No	1
<i>quality</i>	Quality	-	No	-
<i>horizontal_resolution</i>	int	-	No	1
<i>vertical_resolution</i>	int	-	No	1
<i>start_recording</i>	Time	-	No	1
<i>type_of_video</i>	string	~50	Yes	2

Table 1: Description table

III - Examples

```
3 { "video_id" : ObjectId("5bedacdee92e0f1838941fdb"),
4   "codec_used" : "mp1v",
5   "stop_recording_time" : "2019-05-02T17:05:58,137";
6   "focal_length" : 6.8,
7   "video_extension" : ".mov",
8   "frame_per_second" : 8,
9   "video_path" : "/home/eeeyes/data/video/video21.mov",
10  "quality" : 2,
11  "horizontal_resolution" : 356,
12  "vertical_resolution" : 256,
13  "start_recording" : "2019-05-02T16:10:40,824+02:00",
14  "type_of_video" : "visible" }
```

Figure 2: Example of a video in json