Image and video databases

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Very important part in algorithm evaluation is the quality of testing images and/or videos. Larger number of images and/or videos, containing different scenarios and surroundings gives the better quality of the evaluation process.

As mentioned in section Smoke detection two types of wildfire smoke detection procedures could be defined:

- image based wildfire smoke detection and
- video base wildfire smoke detection.

Because of that we have formed two bases:

- wildfire smoke image database and
- wildfire smoke video database (or more preciously a wildfire image series database).

Both of them could be used freely for wildfire smoke detection algorithms development and/or testing. Although most of today's algorithms are video or image sequence based algorithms the single image base wildfire smoke detection is a challenging research topic, so we have also included in our databases a collection of single wildfire smoke images.

Registered users could upload their images, image sequences or videos, too, so our idea is to create a comprehensive image base of wildfire smoke images, image sequences or videos available to all wildfire smoke detection and recognition researchers.

- Image database

- Video database

A part of the video cllection used for the evaluation of " Adaptive estimation of visual smoke detection parameters based on spatial data and fire risk index
" can be found at the following link:

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- [Adaptive estimation of detection parameters - video database](#)