

Person detection, Marc Codina, Universitat Autònoma Barcelona, <https://github.com/marc-codina/xacc2021>

► Summary

- Plan – Using HOG and SVM detect a person in an image
- Final project – Resize the original image and compute the Hog.

► Block diagram



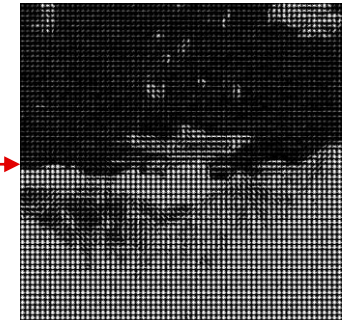
► Results



Resize
3840x2160
To
512x512



HOG



```
INFO: Results details
Image dimensions: 3840width x 2160height
Found 10557540 descriptor values
Descriptors having difference more than (0.01f): 2.24372e+06
  avg_diff:0.0074825
  max_diff: 0.217011
  max_position: 1.33053e+06
  ocv_desc_val_at_max_diff:0.0396415
  hls_desc_val_at_max_diff:0.256653
```