

## Detector

- yolo\_model\_path : std::String
- yolo\_img\_size : cv::Size
- original\_img\_size : cv::Size
- confidence\_threshold : float
- iou\_threshold : float
- input\_tensor\_shape : std::vector<int>
- output\_tensor\_shape : std::vector<int>
- resized\_img\_shape : std::vector<int>

- + detector(yolo\_model\_path, yolo\_img\_size, confidence\_threshold, iou\_threshold)
- + ~detector()
- + detect\_humans(img) : std::vector<float>
- preprocess\_image(&img) : void
- postprocess\_image(cv::Mat &img, cv::Mat model\_output) : std::vector<float>