Distance

- pixelLocation: double
- scalePixelToMeters
- rotationMat: vector

+ camToRobotTransform():
+ displayLocation()

Detect

- svmWeights: double

+ getHOG(cv::Mat)
+ detectHuman()
+ putBox(cv::Mat)
+ trackHuman(cv::Mat): vector

Train

- weights
- labels

+ trainSVMModel()
+ loadVideo()

Data

- frame: cv::mat

+ getCamera(): cv::Mat
+ loadVideo(): cv::Mat
+ preprocessing(): cv::Mat
+ extractHOG(cv::Mat): Mat