Distance

- pixelLocation: std::vector<double>
- avgHumanHeight = 175: double
- rotationMat: cv::Mat
- fov = 19.2306: double
- perceivedFocalLength =

1028.57143: double

- + camToRobotTransform(): int
- + displayLocation()
- + findDepth(vector<double>): double

Detect

- + cv::HOGDescriptor HOG
- box_coordinates: vector<cv::Rect>
- weights: vector<double>
- + detectHuman(cv::Mat)
- + putBox(cv::Mat): vector<double>

Data

- + frame: cv::mat
- frame copy: cv::mat
- resized_frame: cv::mat
- Detect human_detector
- Distance dist
- + getCamera(int): int
- + loadVideo(string): int
- + preProcessing(cv::Mat): cv::Mat
- + videoPreProcessing(cv::Mat): cv::Mat