Distance

- avgHumanHeight = 175: double
- poseMatrix: Eigen::Matrix4d
- perceivedFocalLength = 1028.57143: double
- + camToRobotTransform(std::vector<std::vector<double>>): std::vector<Eigen::Vector4d>
- + displayLocation(std::vector<Eigen::Vector4d>, std::string): int
- + findDepth(std::vector<double>, std::vector<cv::Rect>):
- std::vector<double>
- + getXY(vector<double>): std::vector<std::vector<double>>

Detect

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

Data

- + frame: cv::mat
- frame copy: cv::mat
- resized frame: cv::mat
- Detect human detector
- Distance dist
- + getCamera(int): int
- + loadVideo(std::string): double
- + preProcessing(cv::Mat): cv::Mat
- + videoPreProcessing(cv::Mat): cv::Mat