

Class Diagram for Human Obstacle Detector
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Detection
- hog: cv::HOGDescriptor
+ Detection() + Detect(cv::Mat image): vector<cv::Rec>

Data
+ static loadImage(filePath): cv::Mat + static loadImages(filesDir): vector<cv::Mat>

Locator
+ worldCoord: cv::Mat - _rotationM: cv::Mat - _transVec: cv::Mat - _intrinsicM: cv::Mat - pixelPoint: cv::Rec - pixelCoord: cv::Mat
+ locator() + locator(rotationM, transVec, intrinsicM) + setPixelData(): void + worldPos(): void + printPositions(): void + getRotationMatrix(): cv::Mat + getTranslationMatrix(): cv::Mat + getIntrinsicMatrix(): cv::Mat - pixelVector(): void - checkMatrixSize(matrix, size): void

ProgramOptions
- description: options_description - optionValues: variables_map
+ ProgramOptions() + parse(argc, argv): void + getValue(optionName): std::string - print(): void

Text