StreamData

- frame_width: int
- frame_height: int
- image_path: std::string
- + setImgPath(imgpath: std::string&): void
- + getImgPath(): void
- + getImage(parser: cv::CommandLineParser) : std::string
- + ImgProcessor(char, frame: cv::Mat) : cv::Mat

Detector

- fwidth: int
- fheight: int
- nmsthresh: float
- confidenceThresh: float
- + drawBbox()
- + rmOverlap()
- + detect()

RobotController

- current_position: pair<double, double>target_position: pair<double, double>
- max_speed: double
- + adjust_path(is_avoidance_required: bool)
 + RobotController(start_position: pair<double, double>, max_speed: double)
 + set_target_position(target: pair<double, double>)
 + move_robot(is_avoidance_required: bool): pair<double, double>