TrackingSystem::ClassDiagram

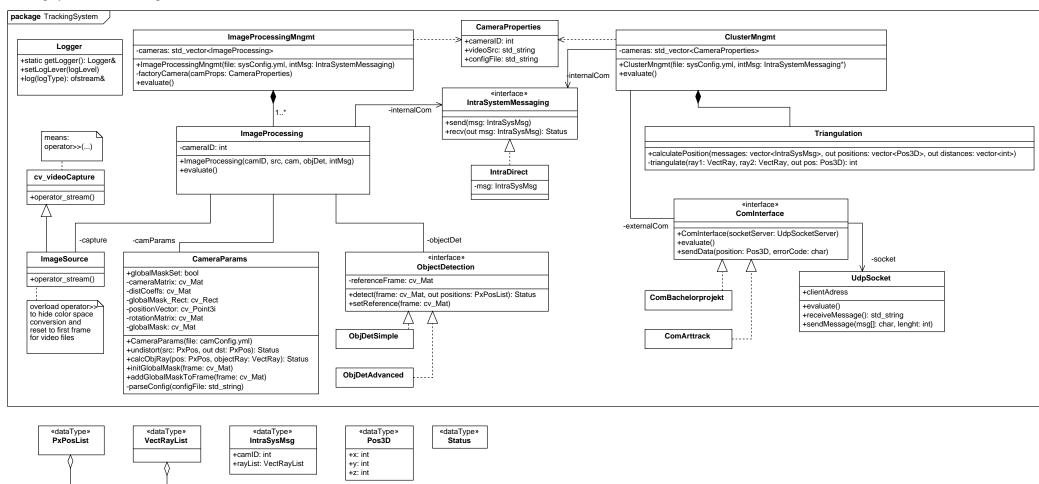
«dataType»

PxPos +x: float

+y: float

«dataType» VectRay

+pos: Pos3D +dir: Pos3D



legend: private: used by calibration tools public: used by tracking system camConfig.yml sysConfig.yml +objectDetectionUsed: std_string -timestamp -datetime: std_string +cameras[1..*]: CameraProperties +comInterfaceUsed: std_string +cameraMatrix: cv_Mat +distCoeffs: cv_Mat +port: int +globalMask: cv_Rect +positionVector: cv_Point3i +rotationMatrix: cv_Mat cameralD: for intra system messaging 1 -viewingCenter: cv_Point3i videoSrc: for cv::videoCapture -viewingRight: cv Point3i +camera configFile: some relative file path **CameraProperties** +cameralD: int +videoSrc: std_string +configFile: std_string

using the openCV FileStorage class to write ^l xml and yaml

cameraConfig will be converted to yaml, because the file content is incompatible to the previous system anyway. (previous system used xml)