Mid Term Group 14 Class Diagram

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Cam

- feed:cv::VideoCapture

- + readVideo(string):int
- + readFrameImage(cv::Mat&):int
- + color2gray(cv::Mat&, cv::Mat&):int

RectPlot

- px:int
- py:int
- pw:int
- ph:int
- + plot(cv::Mat &,int,int,int,int):int
- + worldCord(cv::Mat&):int

Cascade

- frameImage:cv::Mat
- humanCascade:cv::CascadeClassifier
- graylmage:cv::Mat

- + init(cv::Mat&,cv::Mat&):int
- + loadCascade(const string &):int
- + objectDetect(vector<cv::Rect> &):int