Intrusion warning

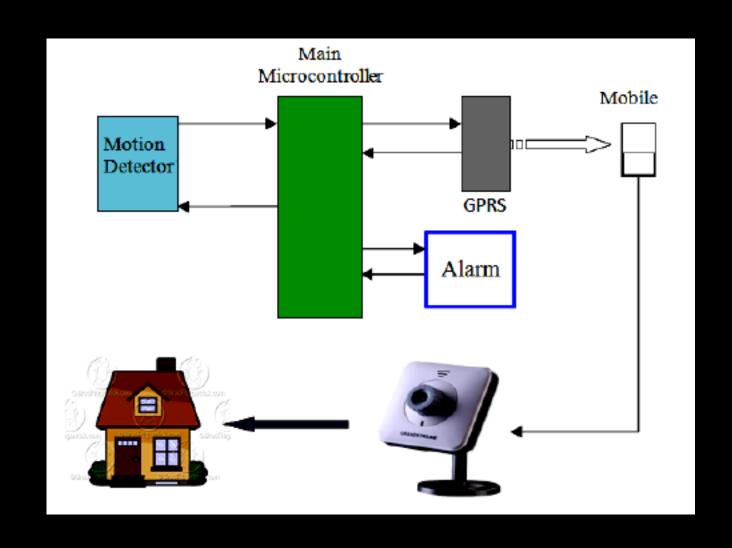
with Yolo & OpenCV



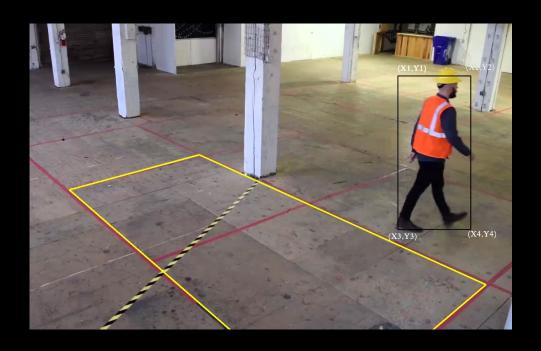
What is IW?



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Ingredients







Pipeline

Read from camera & display frame



Draw polygon to define restricted area



Define detect object



Display alert and send Telegram message



Check if centroids in restricted area



Detect using Yolo & find centroid

Hands on

Notes:

Shapely Lib:

from shapely.geometry import Point from shapely.geometry.polygon import Polygon

Class in Python:

https://www.w3schools.com/python/python_classes.asp

Telegram Connect:

https://www.youtube.com/watch?v=oZ9CslrlMgg