Arrangement for DroneGo

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Abstract

This paper aims to use digital image processing , robot path planning and trajectory generation algorithms, in the case of severely limited vision of the drone. Complete medical supplies at medical sites, cover road surveillance in urban areas, and connect road reconnaissance to remote settlements.

1. Load the original image and convert it into the threshold image.

The range is from $(50, 50, 20)$ to $(150, 90, 50)$

2.

$$\text{Convolution Kernel} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \end{bmatrix}$$