Computer Vision Programming

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(1) the intrinsic parameters of your camera

$$K = \begin{bmatrix} 1285.3005 & 0 & 643.81995 \\ 0 & 1281.144 & 853.00879 \\ 0 & 0 & 1 \end{bmatrix}$$

$\mathcal{D}(k_1, k_2, \rho_1, \rho_2, k_3) = (0.28219911, -1.4405477, -0.00041202951, -0.0016029489, 2.1282086)$
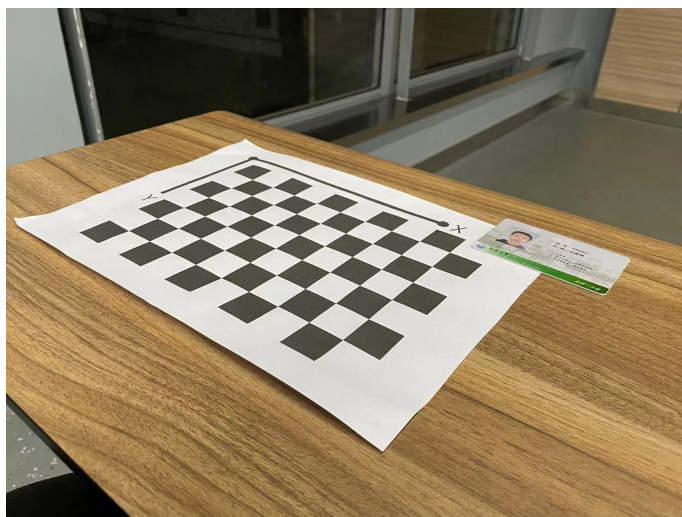
(2) original image

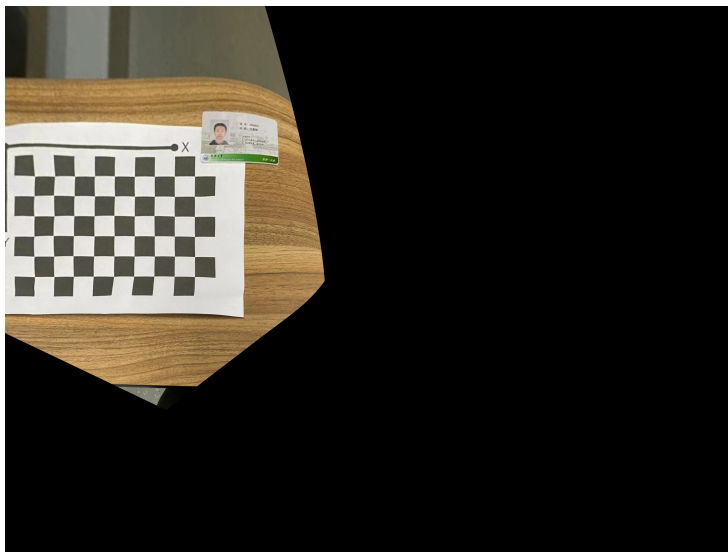Fig. 1: original image

(3) the generated bird＇s-eye-view image

Fig. 2: the generated bird＇s-eye-view image