



$$K = \begin{bmatrix} 100 & 0 & 100 \\ 0 & 100 & 50 \\ 0 & 0 & 1 \end{bmatrix}$$

$$K^{-1} = \begin{bmatrix} 0.01 & 0 & -1 \\ 0 & 0.01 & -0.5 \\ 0 & 0 & 1 \end{bmatrix}$$

Mercedes logo detected at $\mathbf{u} = \begin{bmatrix} 100 \\ 75 \end{bmatrix}$ pixels