Supplement + max length $\leq$ FoV

frame rate $\geq \dfrac{\text{speed}}{\text{supplement}}$

$\dfrac{\text{FoV}}{\text{WD}} = \dfrac{\text{Sensor width}}{\text{Focal length}} = \tan \alpha$

resolution $(mm/px) = \dfrac{\text{length}}{n^\circ \text{pixel}} = \dfrac{\text{speed}}{\text{frequency}} = \dfrac{1}{\text{resolution}}$

FoV_x = resolution $\cdot$ n° pixel

Sensor width = n° pixel $\cdot$ pixel size

Shutter time $= \dfrac{\text{blur} \cdot \text{resolution}}{\text{speed}} = \dfrac{\text{blur}}{\text{frequency}}$

bit rate = n° pixel $\cdot$ frequency

$\dfrac{\text{max}\_x(y)}{n^\circ \text{pixel}\_x(y)} \cdot n^\circ \text{pixel}\_y(x) = \text{length} > \text{max}\_y(x)$

Smallest size defect = correct processing $\cdot$ resolution