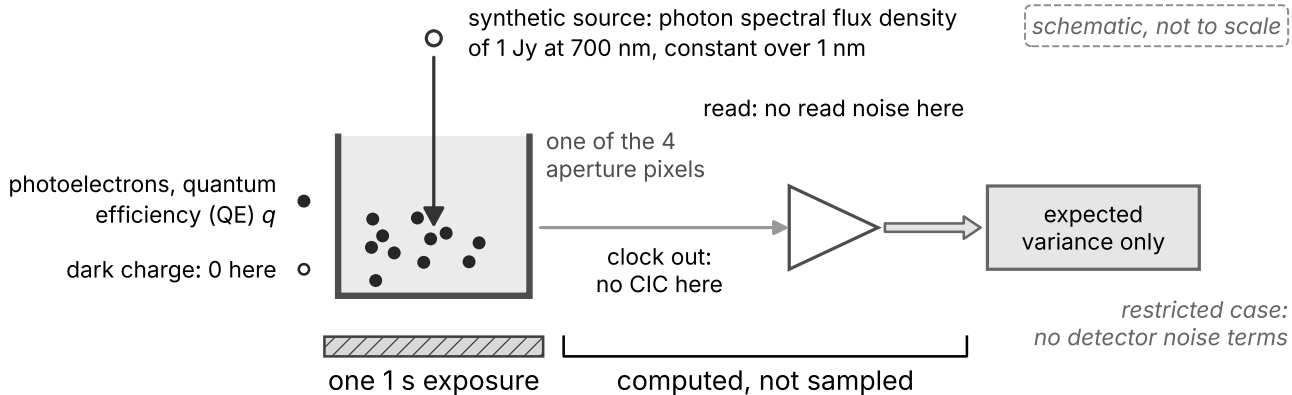




photon spectral flux density of 1 Jy at 700 nm

21 559.86 photon $\text{s}^{-1} \text{m}^{-2} \text{nm}^{-1}$

$\times 1 \text{ m}^2 \times 1 \text{ nm} \times 1 \text{ s}$: photons on the 4 pixels

21 559.86 photons

$\times \text{QE } q = 0.5$: summed expected photoelectrons

10 779.93 e

summed Poisson variance, equal to that mean

10 779.93 e^2

dark charge, CIC, read noise

0

the variance is computed from the model, not sampled: no stochastic readout