

	App 1	App 2	App 3	units	Comments
Name/field					Different applications using the same camera
Photon energy	250	2000		eV	Conversion factor of 1e-/3.6eV will be assumed!
Operating temperature	-50			deg C	Functional at 40C. Specs. Would be met @ Operat. tmp +/-5
Radiation	?			Rad(si)/y	Assumes ionizing radiation only?
Max number of photons per "hit"	1000				
Linearity	+/- 1 photon				?
"Hit" rate	10KHz				Is this a good term?
Power	0.4			W/cm2	As imposed by system design (cooling). Chip design will have its own constraint. 0.4 W/cm2 is too low!!
Sparse readout?	Yes*				"Smart" sparse readout is highly desirable
Readout speed	10K				Frames/s.
Are events synchronous	Yes?				Yes=system provides a master clock
Fill factor	?			%	
Pixel size	50X50			μmXμm	
Leakage current	xx fA				Noise battle could be lost here; lol
Lifetime	?			years	
Monte Carlo simulation file(s)				location	A reminder that this very helpful for design work.
Special considerations/clarifications/. Links to educational material					

Please add your own rows or columns (or a new table, par)

Please ask additional questions and equally useful answer the pending questions and add more info.

Real design work will start soon...