Detector selection chart

Integration/ exspoure time	UV-VIS-NIR 190-1100 nm wavelength range				NIR 900-2500 nm wavelength range	
	High sensitivity		High SNR			
	Detector type	Examples	Detector type	Examples	Detector type	Examples
10 sec	Deep cooled CCD	Andor iVac				
1 sec	1-2 stage TE cooled BT-CCD	Hamamatsu S703x series	Cooled CMOS/NMOS		2-stage TE cooled InGaAs	Hamamatsu G9206-9
100 msec	Non-cooled BT-CCD	Hamamatsu S10420 series	Non-cooled NMOS/CMOS	Hamamatsu S390x series	1-stage TE cooled InGaAs	Hamamatsu G9203
10 msec						
1 msec	Non-cooled CCD	SONY ILX511B	CMOS with global shutter	Panavision ELIS1024	Non-cooled InGaAs	Hamamatsu G11620
100 µsec	Non-cooled BT-CCD w. Global shutter	Hamamatsu S11155/56				
10 µsec						
1 µsec						