

Basic Camera Functions

	Function	Smaller Number Means....	Larger Number Means...
Aperture	Controls the size of the opening of the lens to the camera	larger aperture, allows more light to enter camera	smaller aperture, restricts light from entering camera
Shutter Speed	Controls the amount of time the sensor is allowed to capture light	short exposure time, freezing the action	long exposure time for bright pictures, intentional motion blur
ISO	Controls the sensitivity of the camera's sensor to light	less sensitive to light, or darker pictures	more sensitive to light, or brighter pictures

EXPOSURE	ISO	Shutter Speed (seconds)	Aperture
	-noise	-motion blur	+dof
	100	1/1000	f22
	160	1/500	f16
	200	1/250	f11
	320	1/125	f8
	400	1/60	f5.6
	640	1/30	f4
	800	1/15	f2.8
	1000	1/8	f2
	1600	1/4	f1.8
	3200	1"	f1.4
	6400	2"	
		...bulb	
	+noise	+motion blur	-dof

lighter <-----> darker