

Understanding Stops

A Stop is a means of measuring the amount of light reaching your cameras sensor by changing sensor sensitivity, shutter speed or aperture.

Shutter Speeds		Shutter speeds continued		F Stops		ISO	
Whole	Thirds	Whole	Thirds	Whole	Thirds	Whole	Thirds
1/8000		1/6 1/5		1.4		100	
	1/6400				1.2		125
	1/5000						160
1/4000		1/3 1/2.5			1.6	200	
	1/3200				1.8		250
	1/2500						320
1/2000		1/2 1/.6 1/.3		2.0	2.2	400	
	1/1600				2.4		500
	1/1250						640
1/1000		1 sec. 1.3" 1.6"		2.8	3.2	800	
	1/800				3.5		1000
	1/640						1250
1/500		2 sec. 2.5" 3"		4.0	4.5	1600	
	1/400				5.0		2000
	1/320						2500
1/250		4 sec. 5" 6"		5.6	6.3	3200	
	1/200				7.1		
	1/160						
1/125		8 sec. 10" 13"		8	9	Nikon D200 f-stop	
	1/100				10		chart. Thanks to
	1/80						Ken Storch
1/60		15 sec. 20" 25"		11	13	PhotographyUncapped.com	
	1/50				14		
	1/40						
1/30		30 sec.		16	18	22	
	1/25				20		
	1/20						
1/15				22	25	32	
	1/13				29		
	1/10						
1/8							

Nikon D200 f-stop
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