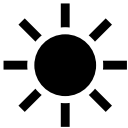
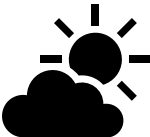




ISO

QUICK REFERENCE GUIDE

	CONDITIONS	ISO	PROS/CONS
	SUNNY DAY, BRIGHT LIGHT,	100	MINIMUM NOISE
	PARTIAL SHADE, INDOORS WITH LARGE WINDOW	200	
	CLOUDY DAY, BRIGHT INDOOR, FULL SHADE	400	LITTLE NOISE
	EARLY EVENING, INDOORS, DIM LIGHT	800	SOME NOISE
	NIGHT, DARK INDOORS (LIGHT BULB LIGHT)	1600	NOTICEABLE NOISE
	DARK, NIGHT SKY, LOW LIGHT INDOORS (THEATRE)	3200	VERY NOTICEABLE NOISE
	NO FLASH USED		
	DARK, NIGHT SKY, LOW LIGHT INDOORS (THEATRE)		
	NO FLASH USED	6400	EXTREME NOISE
	ALLOWS SETTING OF HIGHER SHUTTER SPEED TO BE ABLE TO FREEZE ACTION, PREVENT BLUR		



SHUTTER SPEED

QUICK REFERENCE GUIDE

	SUBJECT	SHUTTER SPEED
	VERY FAST OBJECTS (JETS, SPEEDING TRAINS)	1/4000 SEC
	SPEEDING CARS	1/2000 SEC
	FAST PACED SPORTS (WATERPOLO, BOWLING ACTIONS, HORSE RIDING)	1/1000 SEC
	SLOWER PACED SPORTS (SOCCER, RUGBY, NETBALL, BASKETBALL, ATHLETICS)	1/500 SEC
	KIDS OR PETS AT PLAY	1/250 SEC
	REGULAR PHOTOS	1/125 SEC
	PANNING (CARS, CYCLISTS, RUNNERS GOING PAST)	1/30 SEC
	BLURRING WATER	1/8 SEC

Faster is sharper

APERTURE

QUICK REFERENCE GUIDE



Deep
Depth of Field



Medium
Depth of Field



Shallow
Depth of Field

APERTURE



F/22



F/16



F/11



F/8



F/5.6



F/4



F/2.8



F/2



F/1.2

RECOMMENDED USE

11 – 22+

MOST TO ALL OF IMAGE
IN FOCUS
(LANDSCAPES)

5.6 – 8.0

MID-RANGE OF IMAGE
IN FOCUS
(GROUPS OF PEOPLE)

1.2 – 4.0

SHARP FACIAL FEATURES
OR DETAIL OF A FLOWER
BLURRED BACKGROUNDS
(PERFECT FOR PORTRAITS)