

# P, S, A, and M Modes

**P, S, A, and M** modes offer different degrees of control over shutter speed and aperture. See the *Reference Manual* (on CD) for more information on each mode.







Mode		Description
P	Programmed auto	Camera sets shutter speed and aperture for optimal exposure (user can rotate command dial to choose from different combinations of shutter speed and aperture that will produce optimal exposure). Recommended for snapshots and in other situations in which there is little time to adjust camera settings.
S	Shutter-priority auto	User rotates command dial to choose shutter speed; camera selects aperture for best results. Use to freeze or blur motion.
A	Aperture-priority auto	User rotates command dial to choose aperture; camera selects shutter speed for best results. Use to blur background or bring both foreground and background into focus.
M	Manual	User rotates command dial to choose shutter speed, presses  button and rotates command dial to choose aperture. Set shutter speed to "Bulb" or "Time" for long time-exposures.

## Shutter Speed and Aperture

The same exposure can be achieved with different combinations of shutter speed and aperture. Fast shutter speeds and large apertures freeze moving objects and soften background details, while slow shutter speeds and small apertures blur moving objects and bring out background details.



			
Fast shutter speed (1/1,600 s)	Slow shutter speed (1 s)	Large aperture (f/5.6)	Small aperture (f/22)
Remember, the higher the f-number, the smaller the aperture.			