

HINTS & TIPS CARDS

CAMERA MODES

Using the Manual Exposure Mode

The Exposure Triangle

In the exposure triangle the perfect exposure indicated at 0 on the EV scale can be

F2.8 F4 F5.6 F8

1/15 1/60 1/125

100 200 400 800

↔ 1 EV

ISO

NOISE
Higher = more

-2 -1 0 1 2

DOF

Larger = less

BLUR

slower = more

Aperture

Shutter Speed

1 EV = 1 full F-stop, Shutter speed or ISO step

achieved by adjustment to any of the 3 parameters of ISO, Aperture or Shutter speed. For example a 2 EV over exposure can be corrected by either

1. decrease iso by 2EV
2. increase shutter speed by 2EV
3. Decrease aperture by 2EV (smaller fstop #)
4. 1EV adjustment in 2 of the 3 parameters

The diagram shows the negative effects of changing the controls