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FURIOUS**



Camera Tips

Rockbridge Camera Club

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Camera Tips & Tricks

Metering Modes

Most cameras have the following metering modes:

Multi-Zone



MATRIX METERING
NIKON

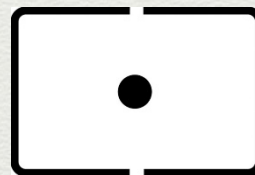


EVALUATIVE METERING
CANON

Center Weighted



Spot



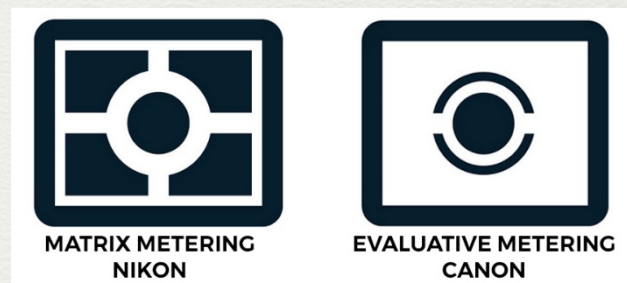
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Camera Tips & Tricks

Metering Modes

Multi-Zone Metering



The camera meters the whole frame, but weights the area under the focus point

Works best when the scene is uniformly illuminated

Default metering modes for most cameras

Usually covers most situations

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Camera Tips & Tricks

Metering Modes

Center Weighted Metering



The camera meters the whole frame, but weights the center of the frame

Could provide erroneous results if the focus point is off center

There are very few situations where centered weighted is an advantage – not recommended

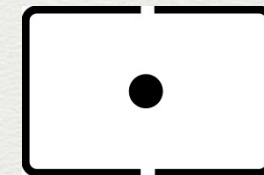
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Camera Tips & Tricks

Metering Modes

Spot Metering



The camera meters a small area under the focus point

Many cameras provide for adjusting the size of the spot metering area

Best when the subject and background are differently illuminated

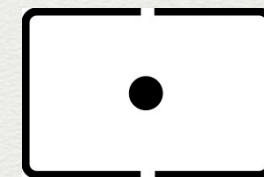
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Camera Tips & Tricks

Metering Modes

Spot Metering Examples



Spot Metering

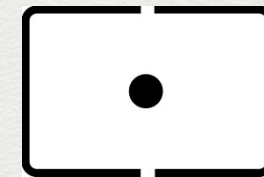
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Camera Tips & Tricks

Metering Modes

Spot Metering Examples



Matrix Metering



Spot Metering



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Camera Tips & Tricks

Focus

Autofocus Modes

- **AF-S (Single)** **One Shot (for Canon)**

Autofocus locks when focus is acquired

Useful for stationary objects

- **AF-C (Continuous)** **AI-S (for Canon)**

Autofocus remains on while half pressing the shutter button

Useful for moving objects

- **AF-A (Auto)** **AI Focus (for Canon)**

The camera decides which mode to use (not recommended)

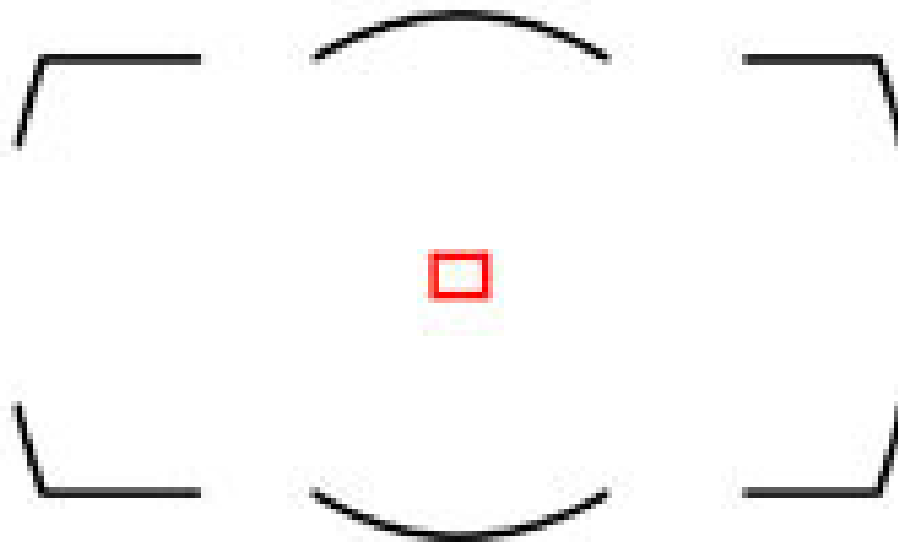
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Camera Tips & Tricks

Focus

Single Point



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Camera Tips & Tricks

Focus

Moving the Active Focus Point



Nikon



Canon

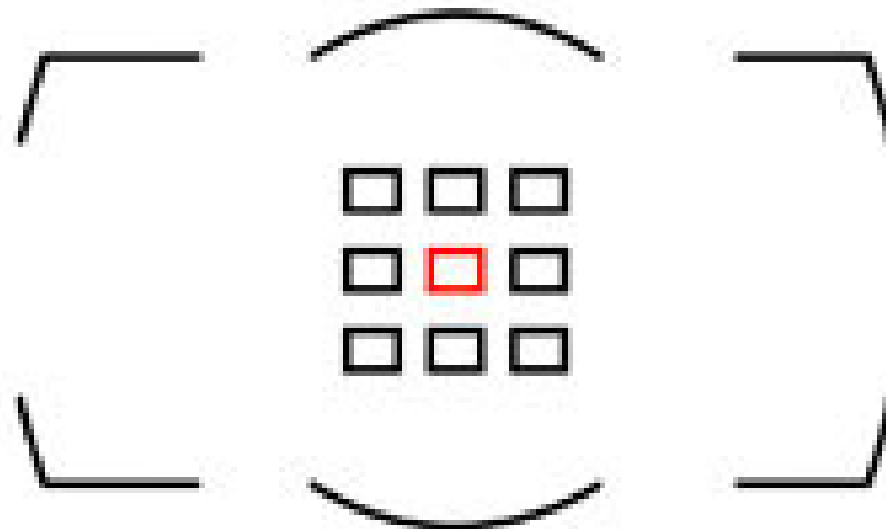
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Camera Tips & Tricks

Focus

9 Points



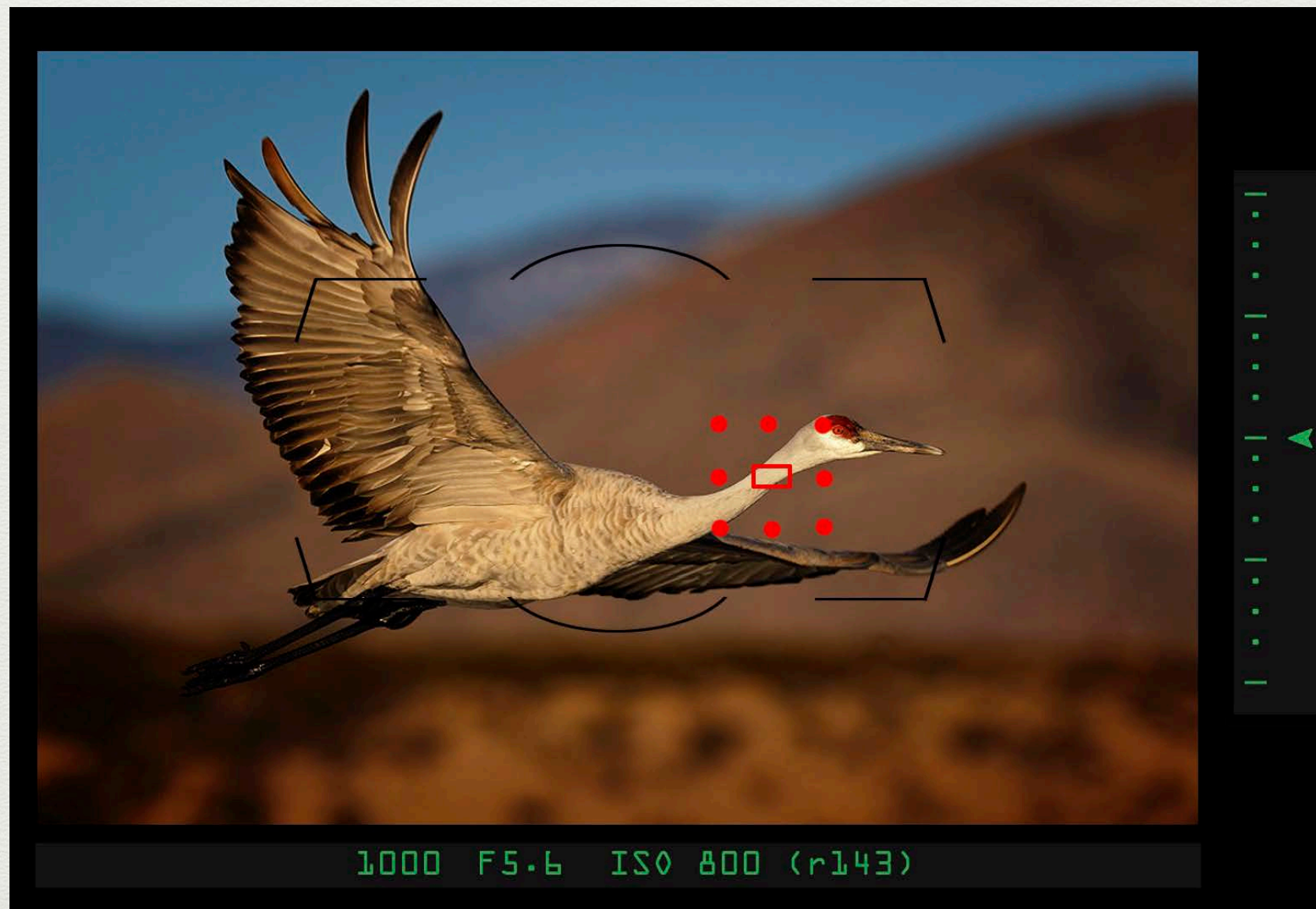
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Camera Tips & Tricks

Focus

Action Shot Using 9 Point Autofocus



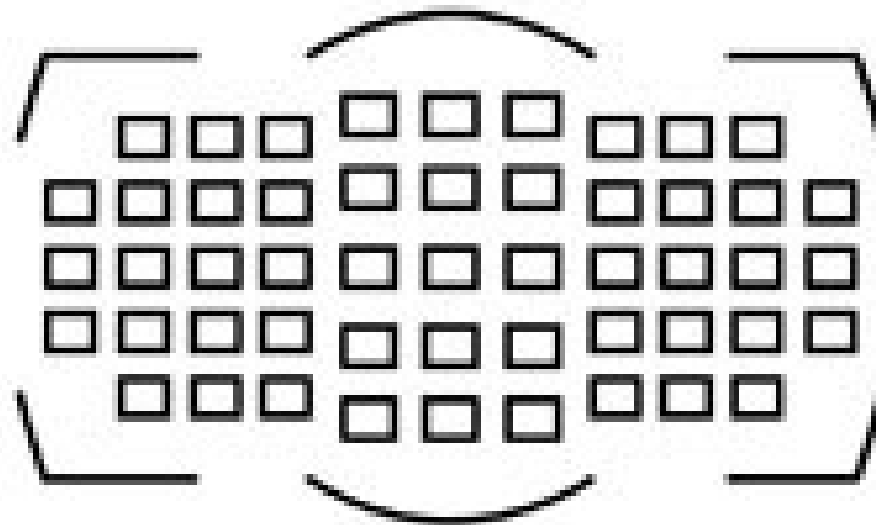
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Camera Tips & Tricks

Focus

All Points





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Camera Tips & Tricks

Focus

Which Focus Points to Use

Single Point:

Best for stationary subjects

9 Points:

Usually works well with moving subjects where it is difficult to use a single point

All Points:

Use with moving subjects where there is no detail in the background

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Camera Tips & Tricks

Focus

Changing Autofocus Modes and Points - Nikon



On Nikon cameras, press the center button on the AF/M switch and rotate the main command dial for focus mode, rotate the subcommand dial for number of active focus points.

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Camera Tips & Tricks

Focus

Changing Autofocus Modes and Points - Canon



Set the AF Mode: Press the AF/Drive button on the top-plate of the camera and look at the top LCD screen. Rotate the front dial near the shutter release button until the desired AF mode is displayed.



Set the number of AF Points: Press the AF point button on the back of the camera then look through the viewfinder while pressing the M-Fn button to toggle through the options.



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Camera Tips & Tricks

Focus

Back Button Autofocus

- Utilized by most professional photographers
- Disable autofocus with shutter button half press
- Assign autofocus to a button on camera back
- Autofocus mode set to Continuous

[Back Button Autofocus Video \(Nikon\)](#)