

MACRO PHOTOGRAPHY

CHEAT SHEET



APERTURE



Wide Aperture (more light)

Narrow Aperture (less light)

Low f/stops, in between f/2.8 and f/5.6, give you a shallow depth of field, which pinpoints the focus on your subject.

ISO

100 ••• 200 ••• 400 ••• 640 ••• 800 ••• 1600 ••• 3200

Lower

LIGHT SENSITIVITY

Higher

As a rule, always try to keep your ISO value as low as possible, to avoid grain and noise.

SHUTTER SPEED



Blur Motion

Tipped Recommended

Handheld OK

Freeze Motion

If you want to make sharp macro images, the shutter speed must at least be 1/100th of a second or faster.

1 MACRO LENSES

The focal length of macro lenses ranges from 50mm to 200mm. Although many zoom lenses have a macro setting, these are usually less than half life-size magnification.



If you want to do a true macro photography, your macro lens has to have the ability to produce a magnification ratio of 1:1 or higher. Some go as high as 5:1, allowing for extreme close-ups.

TIP:

A 50-60mm lens is great for basic macro work but if you want greater subject-to-lens distance a 100mm lens is a better choice.

2 FLASH

Try to use natural light whenever you can. However, there are times when this isn't possible such as working in the woods or shooting subjects that move quickly.



You may also need to use a reflector to bounce light into dark areas of the shot. But even something simple such as a piece of card and silver foil can work just as well.

TIP:

Rather than using your camera's built-in flash which is harsh, try using a ring flash which can give a more even spread of light.

3 THE ESSENTIALS

3 MANUAL FOCUS

You can forget about autofocus right away, because macro lenses' autofocus is usually not fast enough. You should focus manually.



Expect to throw away a lot of photos when doing macro photography, since it's really hard to focus properly.

TIP:

Focus not by touching the focusing ring, but by rocking towards the subject while trying to snap the photo correctly.

Macro Photography Manual

Jicheng Xie



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