

THE MANUAL PHOTOGRAPHER'S CHEAT SHEET

Forget the retro filters on your camera phone. Instead, why not pick up a film camera and create the dreamy colours, effects and flaws that can only truly be captured with analogue photography?

Using a film camera requires a bit of forethought to what, where and how you want to shoot.

STEP ONE PICK YOUR FILM

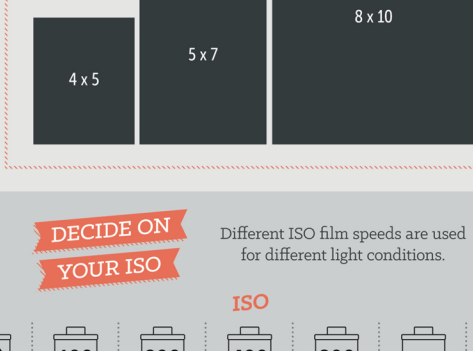


CHOOSE YOUR SIZE

This will depend on the type of camera you're using – check camera markings if you're unsure.

FORMAT	IMAGE SIZE	NUMBER OF SHOTS	
35 mm	25 x 36mm	12 24 36	
6 x 4.5cm (645)	56 x 42mm	16 32	
6 x 6cm	56 x 56mm	12 24	Medium format (120 or 220 film)
6 x 7cm	56 x 72mm	10 20	
4 x 5"	10 x 125mm	Sheet	
5 x 7"	127 x 178mm	Sheet	
8 x 10"	203 x 254mm	Sheet	Large format

FILM SIZE COMPARISON



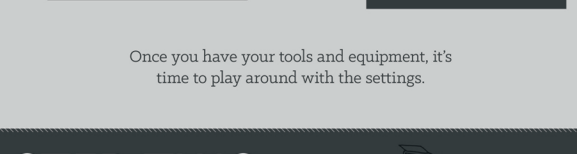
DECIDE ON YOUR ISO

Different ISO film speeds are used for different light conditions.

ISO



RECOMMENDED CONDITIONS



TIP

HAPPY MEDIUM

If you're starting out, ISO 400 is a good all-purpose film that can be used for most conditions.

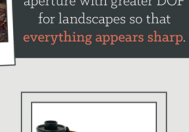
TIP

HIGH GRAIN

The higher the ISO, the grainier your photos will appear. Use an external flash or longer shutter speed and tripod at night with a lower ISO to get around this.

Once you have your tools and equipment, it's time to play around with the settings.

STEP TWO ADJUST YOUR SETTINGS



The below adjustments apply to digital SLRs as well as film.

APERTURE

This controls the diameter of the lens opening, which then controls the amount of light that is let in.

Large aperture

Small aperture

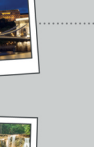


Changing the aperture also changes the depth of field (DOF).

You'll want a larger aperture with shallow DOF for portraits so the **subject is sharp and the background is soft.**



You'll want a smaller aperture with greater DOF for landscapes so that **everything appears sharp.**



f/2.8

f/8

f/22

SHUTTER SPEED

This controls how fast the shutter opens and closes, which, alongside aperture, controls how much light is let in.

SHUTTER SPEED

More motion blur

EXAMPLE SCENARIO

BULB 30" 15" 8" 4" 2" 1" 1/2 1/4 1/8 1/15 1/30 1/60 1/125 1/250 1/500 1/1000 1/2000 1/1000



Light painting



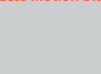
Car trail lights at night



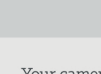
City lights at night



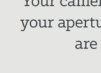
Waterfall



Landscape



Portrait



Stop image of a bird in flight



Stop image of a race car

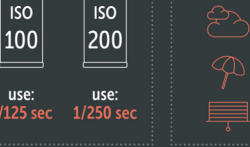
TIP

Consider the distance of the object. Closer objects will appear faster to the camera, so make sure you hold your camera steady to minimize blur.

Less motion blur

GET THE RIGHT EXPOSURE

Your camera's light meter will indicate if your aperture and shutter speed settings are too dark or too bright.



OVEREXPOSED WARNING MARK

UNDEREXPOSED WARNING MARK

If your camera is missing a light meter, or it is broken, there's still a way to properly expose your photos:

THE SUNNY 16 RULE

If it's a sunny day, set aperture to f/16 and shutter speed closest to the reciprocal of your ISO:

ISO 50 use: 1/60 sec ISO 100 use: 1/125 sec ISO 200 use: 1/250 sec

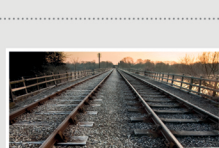
Use f/16 for sunny settings, but go down for less bright conditions:

f/11 for cloudy daylight f/8 for overcast f/5.6 for outdoor shade f/4 for dark shade

STEP THREE TAKE YOUR SHOT



Some golden rules are as follows – but remember; photography is an art form, so don't be afraid to break them.



RULE OF THIRDS

Cut your frame into thirds using horizontal and vertical lines. Compose the photo so that there's a point of interest on the lines and/or intersections.



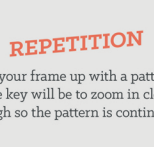
NEGATIVE SPACE

Space around an object can give it room to breathe.



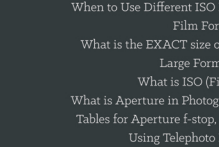
EXPERIMENT WITH CONVERGING LINES

Use lines in your frame to draw the eye towards a focal point.



BODY CROPPING

Don't cut off body parts except at the mid chest, waist or mid thigh region.



REPETITION

Fill your frame up with a pattern. The key will be to zoom in close enough so the pattern is continuous.

With analogue photography, mistakes are irreversible – which makes it all the more fun. Just carry that camera everywhere and keep snapping away. Practice makes perfect (pictures).

Sources

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