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Photography Basics

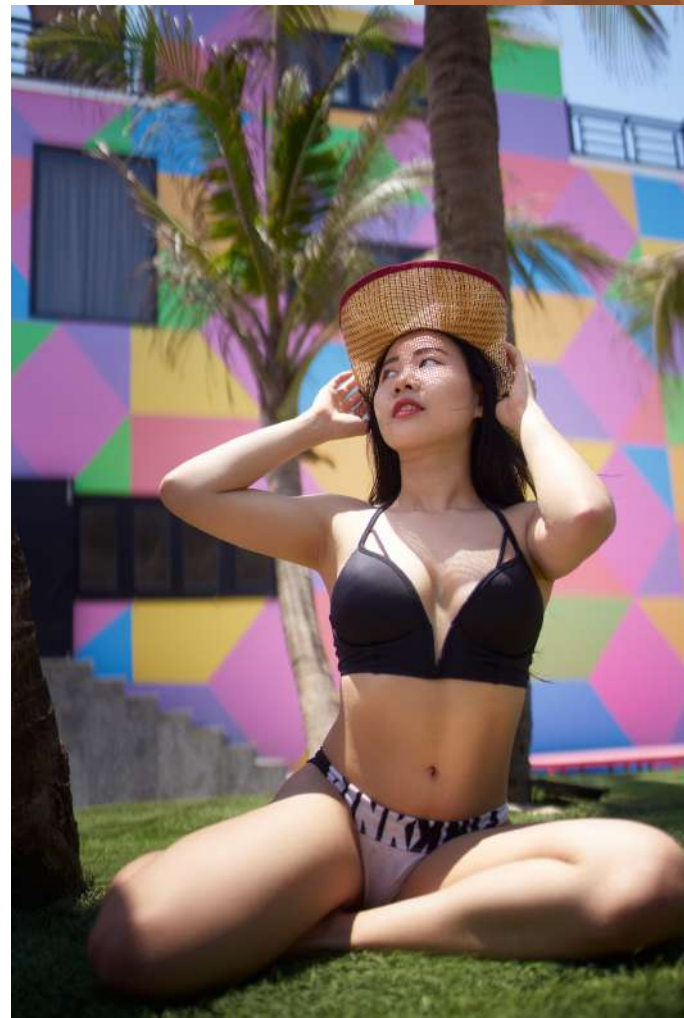


A beginner's guide

Course Outline

WHAT WE'RE COVERING

- Exposure triangle
- How to take a well exposed photos
- How to shoot full manual
- Tricks on how not to shoot full manual
- Composition
- Color Temperature
- Apps for photo editing
- Creating your own presets
- Shooting RAW



03

WORDS TO INSPIRE

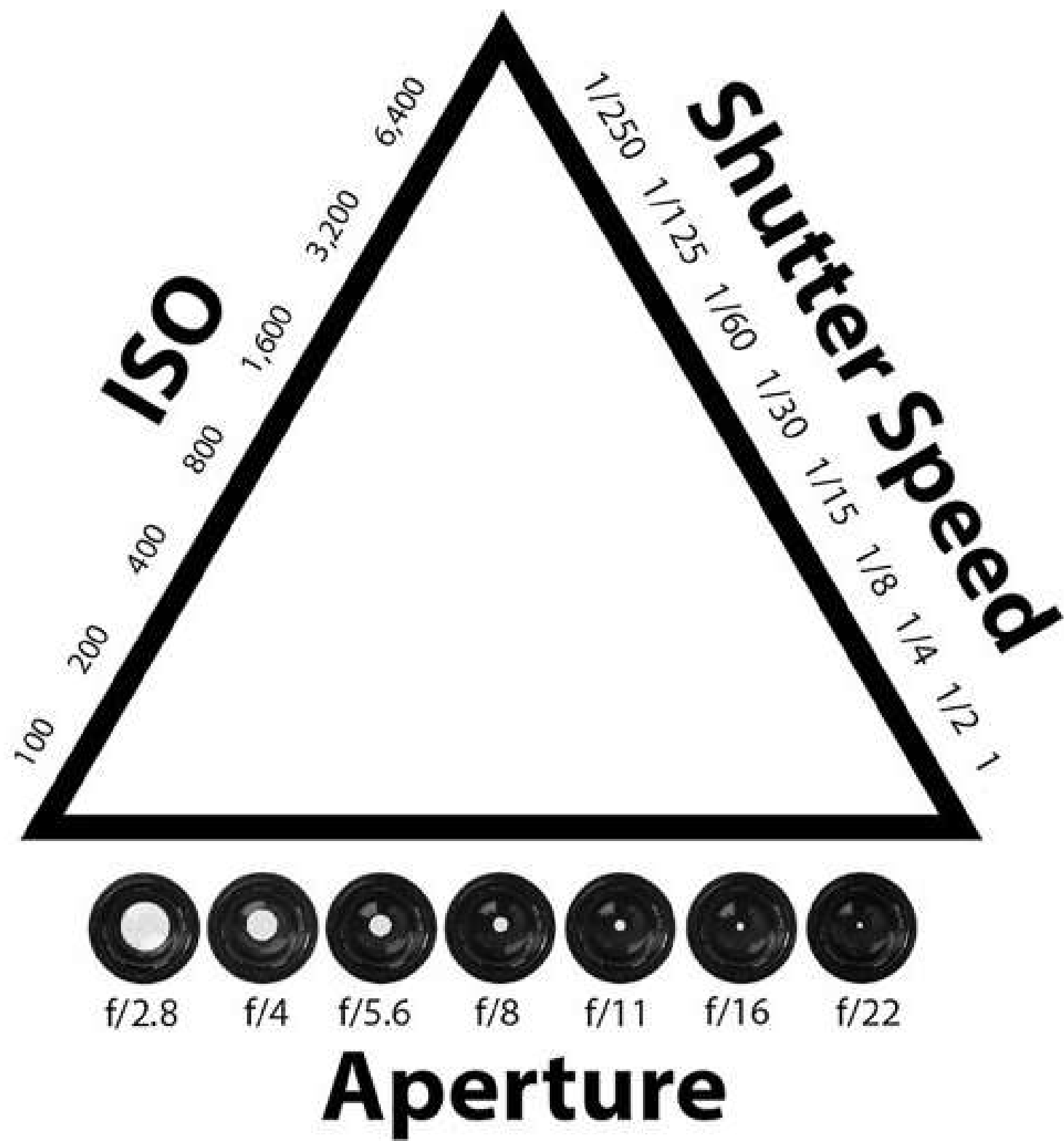
PHOTOGRAPHY ISN'T ABOUT GEAR, IT'S ABOUT VISION AND LIGHT

JIM GROOTES



Light

Photography is about vision and handling light.
These are the dials in the photographers toolkit





International Organization for Standardization.

- The higher the ISO, the more grain and noise you introduce to your image.
- That in mind, try to keep your ISO low if possible, and only raise it when you need to!
- One thing to note when it comes to ISO is that all of this is also relative to your camera.

Remember:

- There's a lot that can be done in editing
- It's all about light.
- ISO is mostly noticeable in the shadows
- Google - ETTR - Exposing to the right
- Higher ISO doesn't have to be a bad thing.





A measurement of the time the shutter is open.

- Slower shutter speed causes motion blur
- Faster shutter speeds freezes time

Remember:

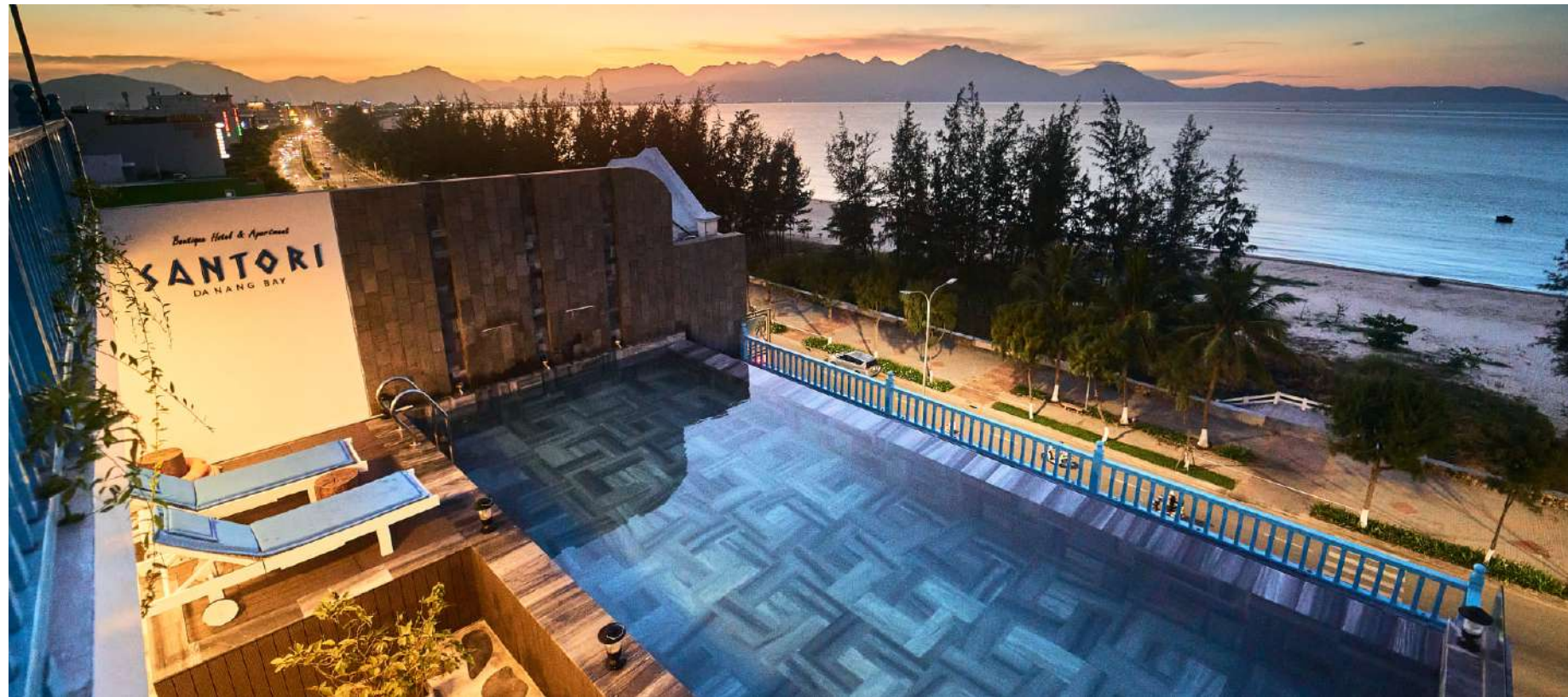
- Take handheld photos from 1/60th of a second
- slower than 1/60th, photos can have motion blur
- For long exposure, put the camera on a tripod





The opening in a lens through which light passes to enter the camera.

It is expressed in f-numbers like $f/1.4$, $f/2$, $f/2.8$ and so on to express the size of the lens opening, which can be controlled through the lens or the camera.

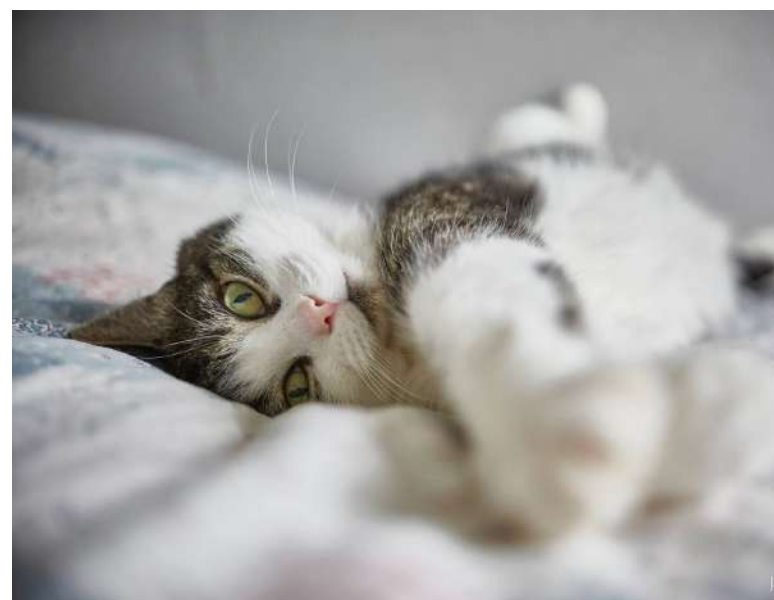


Closed

GREAT FOR LANDSCAPES

No Blur, everything in focus

Closes the lens, less light comes through



Wide open

GREAT FOR PORTRAITS

Blurs the background

Let's through more light

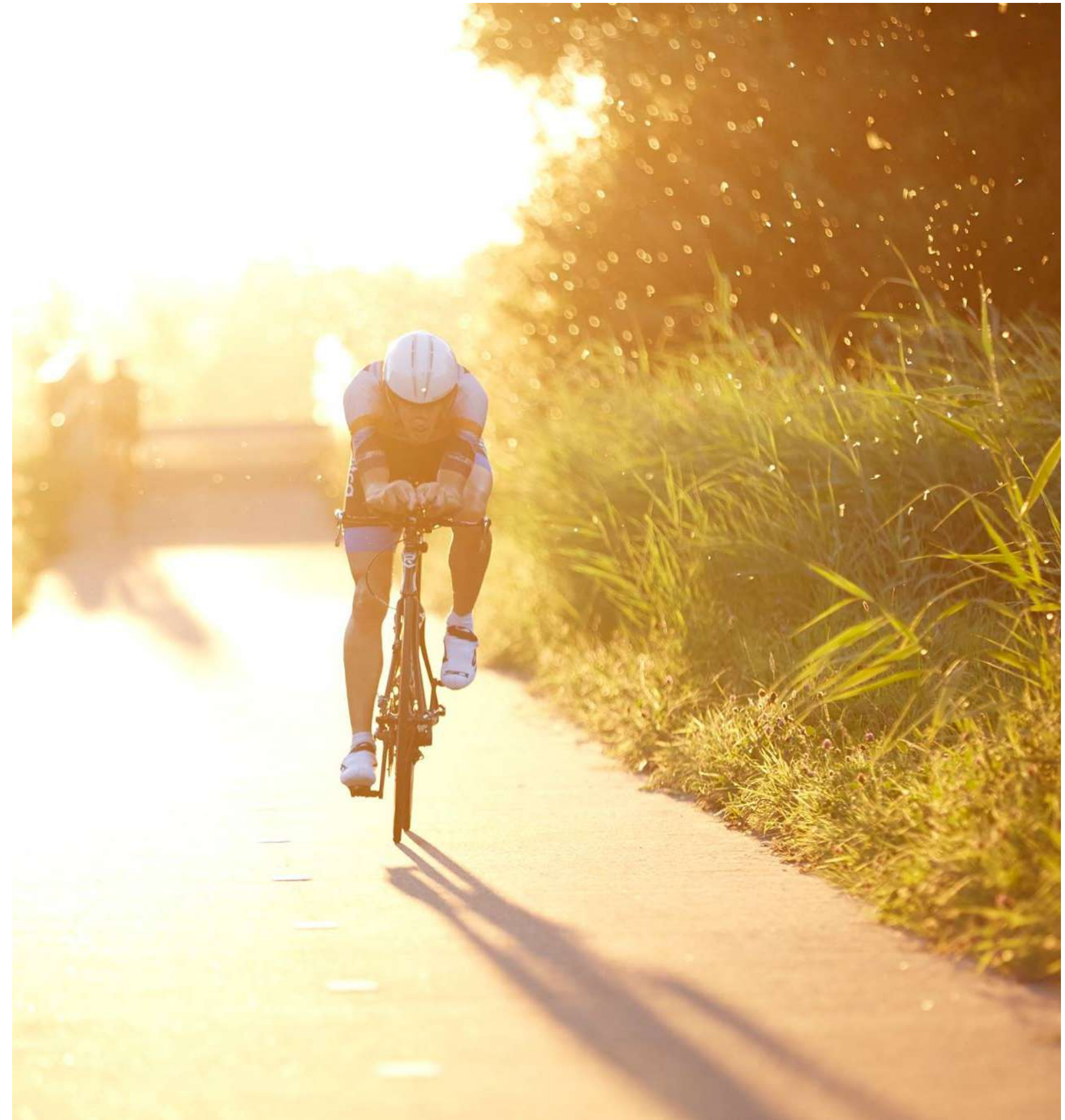
Bokeh

REMEMBER

The lower the F, the more blur. Higher F, less blur. High F causes stars

An open aperture, low F, Doublecheck your focus points

A closed aperture gives you stars



Technicalities

FOCUS POINTS

Each camera has several. Know how to use them

COLOR TEMPERATURE



Control Exposure

ASSIGNMENT

APERTURE

Take an open- and a closed aperture photo

SHUTTER SPEED

Take a fast- and a long shutterspeed photo

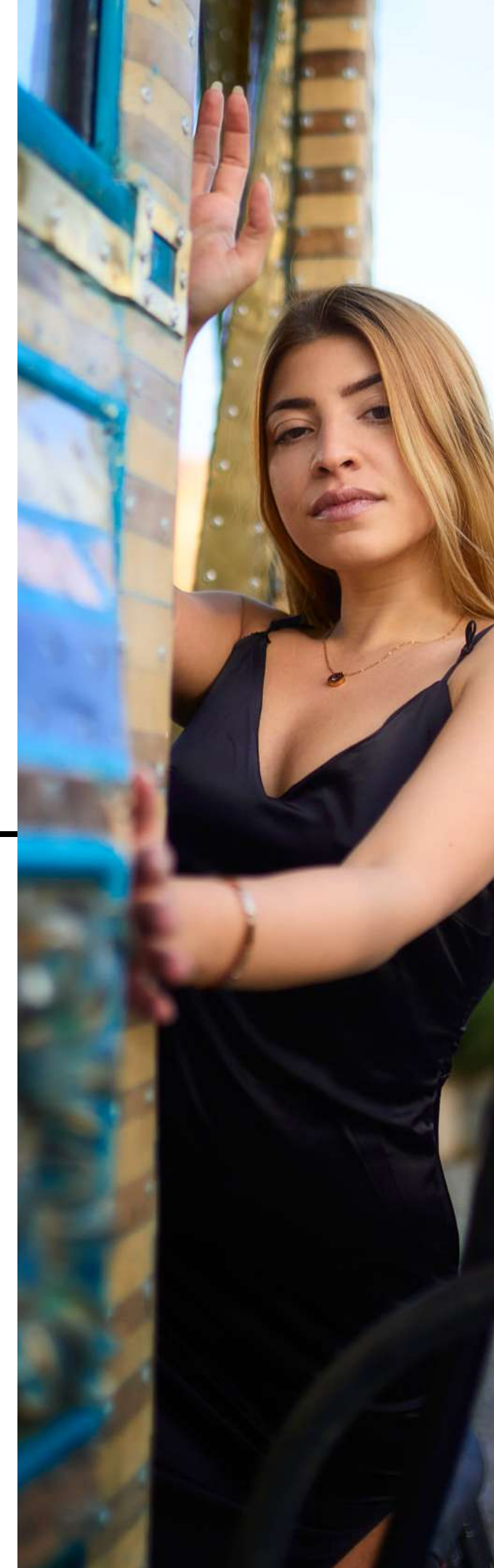
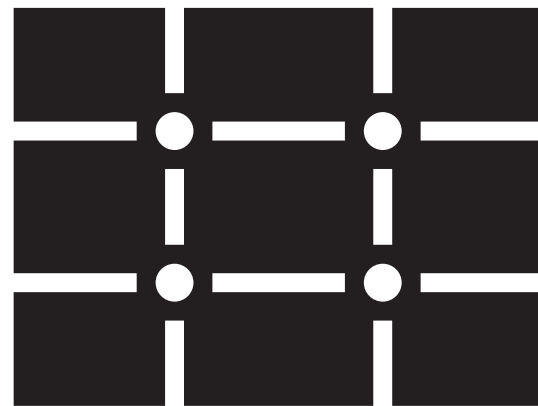
ISO

Take a photo with low- and high ISO values



Rules of Composition

RULE OF THIRDS





RAW FILES

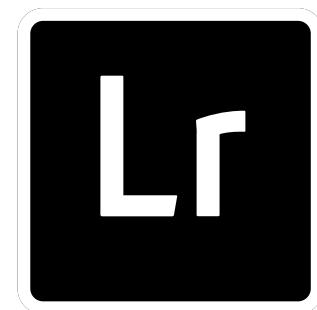
A RAW FILE IS A COLLECTION OF UNPROCESSED DATA.

THIS MEANS:

THE COLORS WILL BE FLAT
HIGHER DYNAMIC RANGE
FILES NEED TO BE OPENED AND
EDITED FIRST

Usefull apps

FOR EDITING



Lightroom Mobile

ALLOWS RAW EDITING
+
EASY TO SYNC WITH LIGHTROOM CLASSIC



PicsArt



Snapseed

Usefull links

EASY MOBILE WORKFLOW

<https://www.jimgrootes.com/blog/simplemobileworkflow>

BEST BUDGET CAMERA FOR STARTERS

<https://www.jimgrootes.com/blog/best-budget-camera-for-starters>



THE END



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