TOP 5 CAMERA CONTROLS

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INTRODUCTION: EXPOSURE

Exposure = Brightness of a picture

Too Dark
Under-exposed

Just Right
Correct exposure

Too BrightOver-exposed







Camera adjusts exposure automatically in all modes except Manual (M)

But you may often want to adjust some of the settings which control the exposure.

INTRODUCTION: EXPOSURE TRIANGLE

Exposure is controlled by 3 variable elements:

APERTURE

Variable size

How much light reaches the sensor

SHUTTER

Variable opening time (Speed)

For how long the sensor "sees" the scene

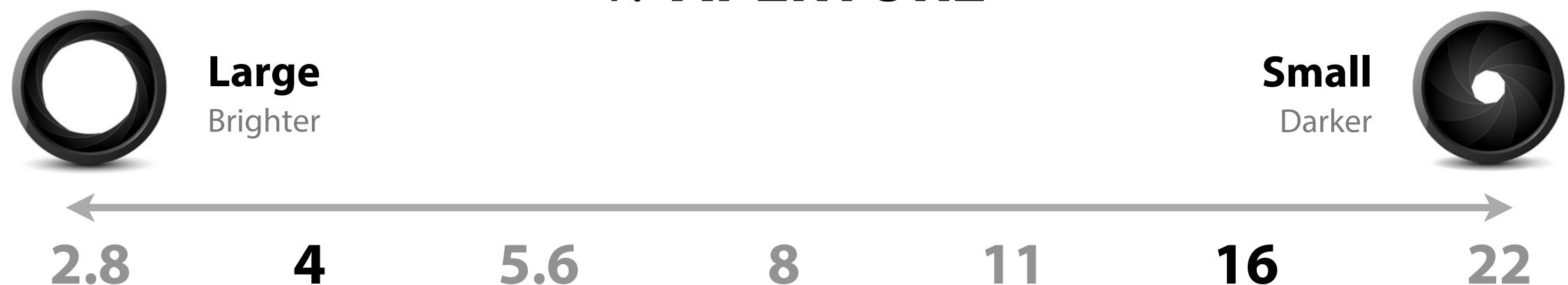
SENSOR

Variable sensitivity (ISO)

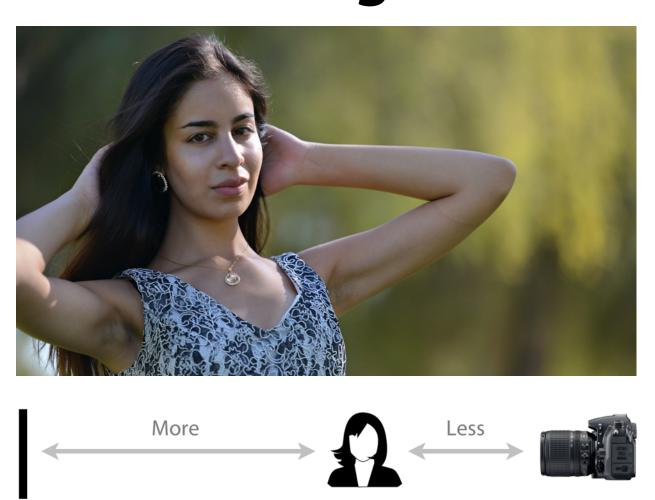
How much light sensor needs to register the picture



1. APERTURE



Blur background



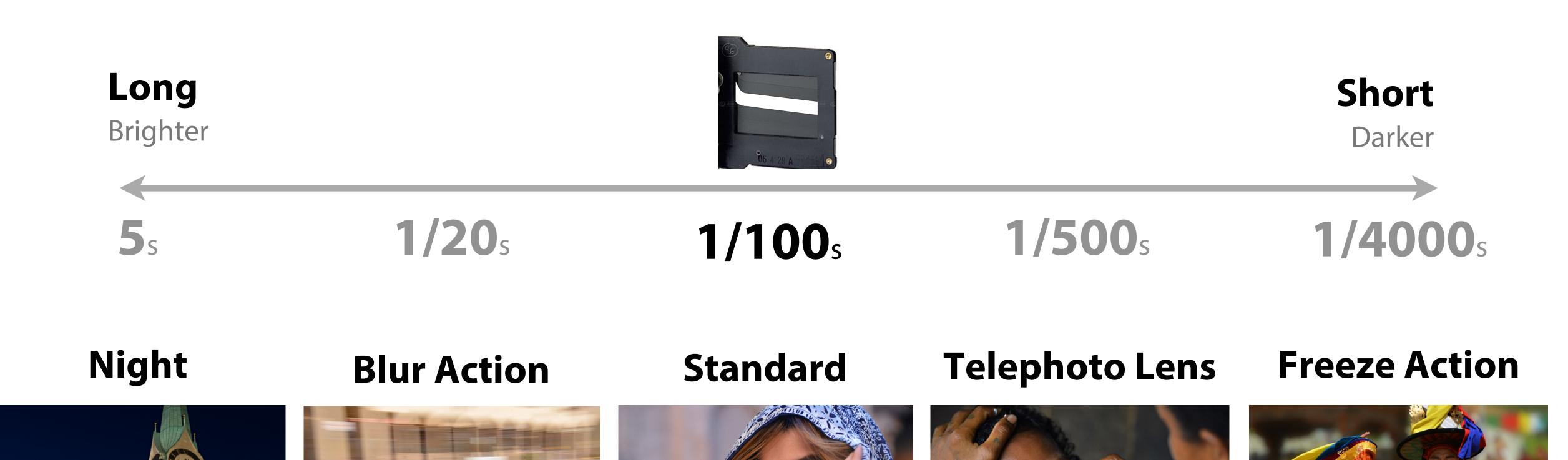
WHY CHANGE



2835 50

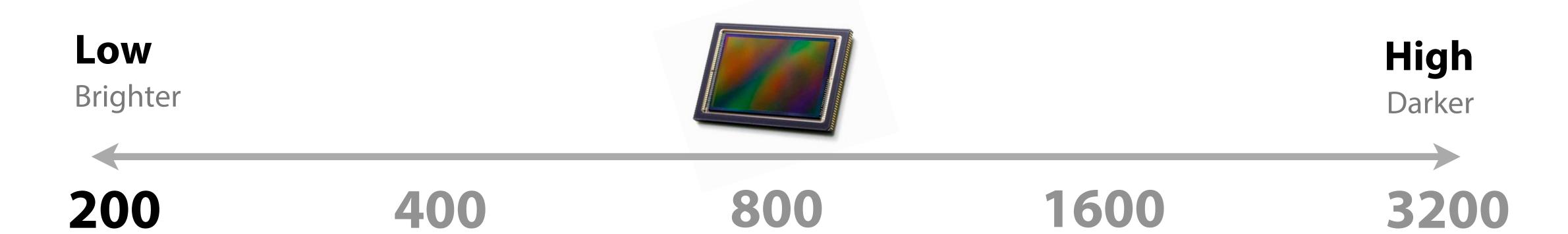
85 105 135 200

2. SHUTTER SPEED

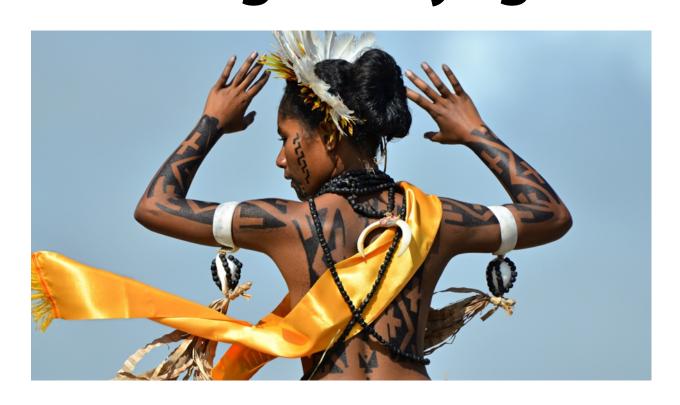




3. ISO (Sensor Sensitivity)



In Bright Daylight



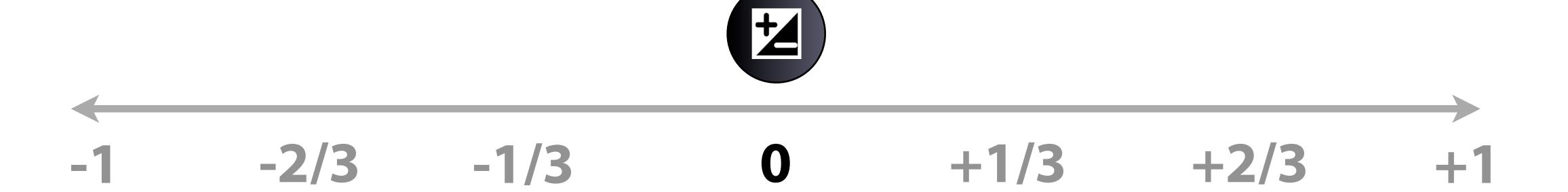
WHY CHANGE

Increase sensor sensitivity in darker places

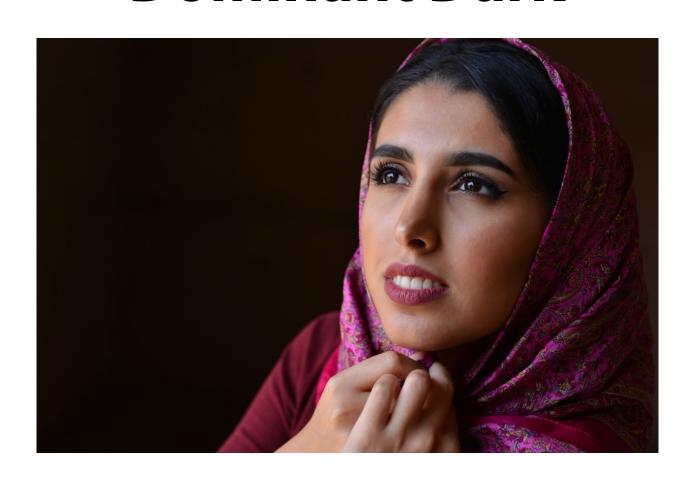
In Darker Places



4. EXPOSURE COMPENSATION



Dominant Dark



Standard

WHY CHANGE

With a lot of dark or white in the scene, camera metering can get fooled and either over- or under-expose

Dominant White

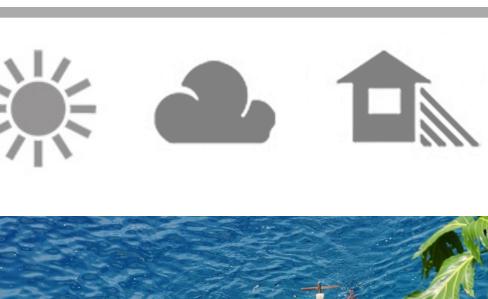


5. WHITE BALANCE



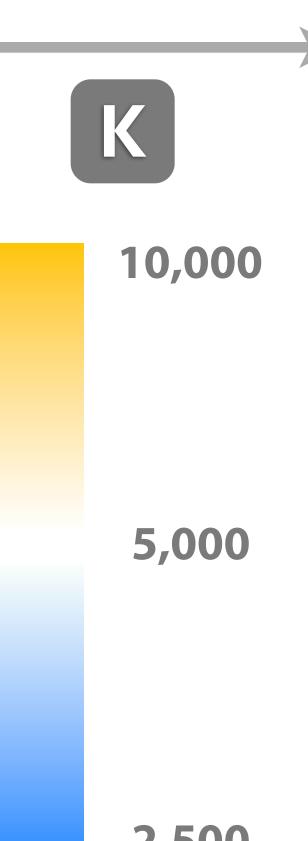
AUTO

Standard approx. 80% of time



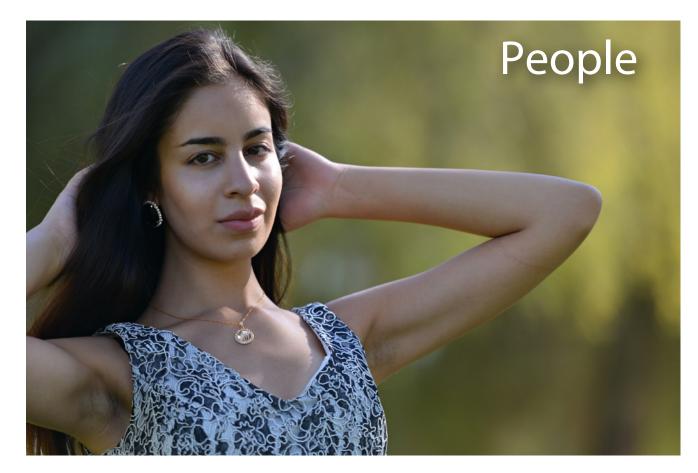






BONUS: CONTINUOUS SHOOTING

Continuous Shooting





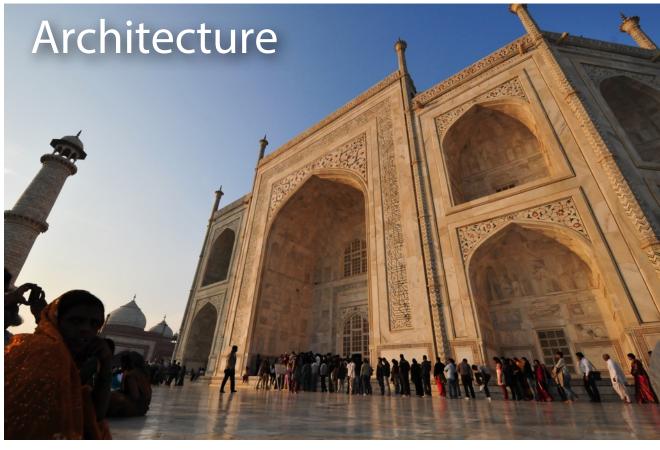


OR

S C_L C_H

Single Shot





NIKON

Typical controls. This may vary depending on the model

Dedicated Buttons









+



On Screen













CANON

Typical controls. This may vary depending on the model

Dedicated Buttons











On Screen











BENEFITS OF LEAVING AUTO MODE

A/Av

You decide to blur the background or keep everything sharp

S/Tv

• Sharp pictures of action / with telephoto lens



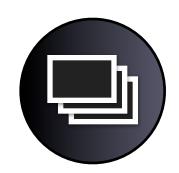
• Sharp pictures in low light



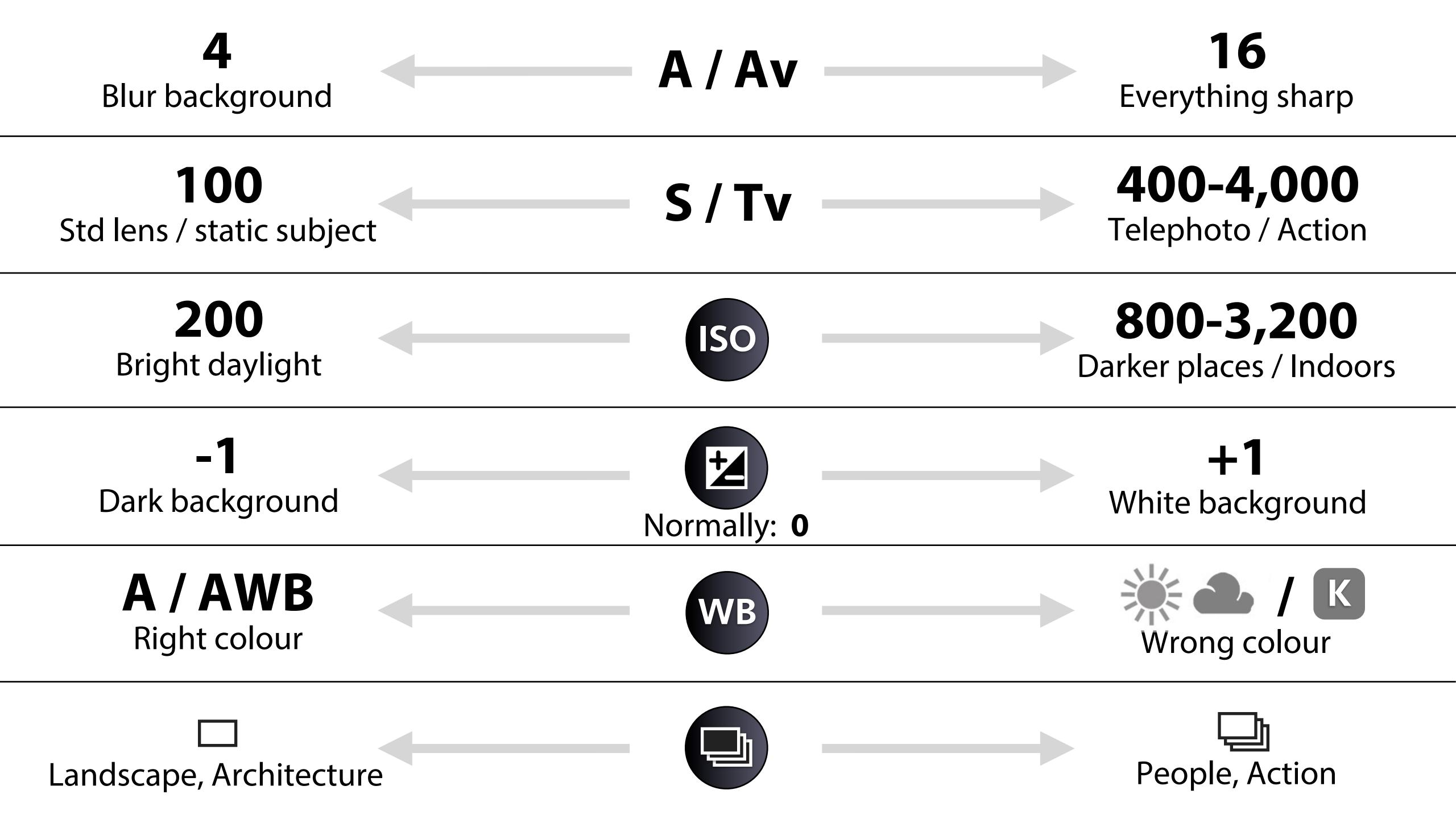
Right brightness - avoid too bright / too dark pictures



Right colour



Avoid photos with closed eyes or in awkward positions



QUICK SETTINGS GUIDE

BASIC SETTINGS				ADJUSTMENTS			
Stationary Subjects	A (Av)	People Animals	Aperture 4				
		Landscape Architecture	Aperture 16	Low Light	Telephoto Lens	Dominant Dark/White	Wrong Colour
Fast Action	S (Tv)	Freeze	Shutter 1/100+	800-3,200	Shutter Speed 2x Focal Length	Exposure Compens. -1/+1	White Balance Weather Icon or K
		Blur	Shutter 1/20				

MY DEFAULT SETTINGS

DEFAULT CHANGES

Typical Subject: People (Candid)
Outdoors

Lens: **70-200mm**

Mode: A

Aperture: 4

ISO: **400**

Shutter Speed 1/400s+

Architecture / Landscape? 16

Darker Areas? 800-1,600

Fast Action? 1/2,000s