

# The Art Of Exposure



Helping people see more beauty in the world every day by  
thinking like a photographer

By sharing your images, stories & experiences,  
you'll help others experience it differently too

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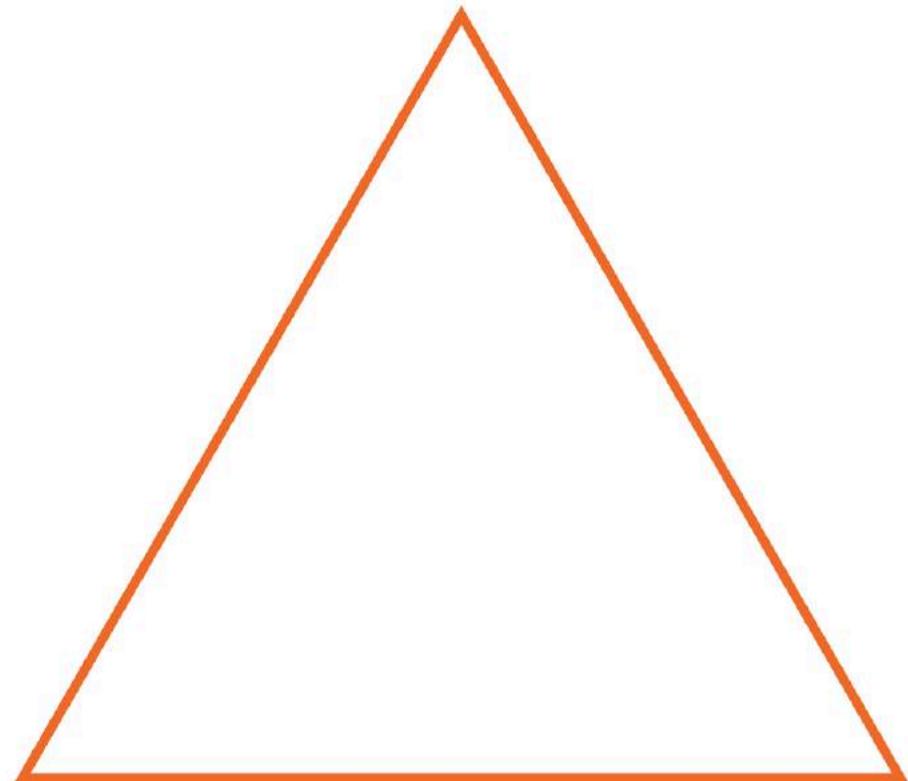
# You Can Do This

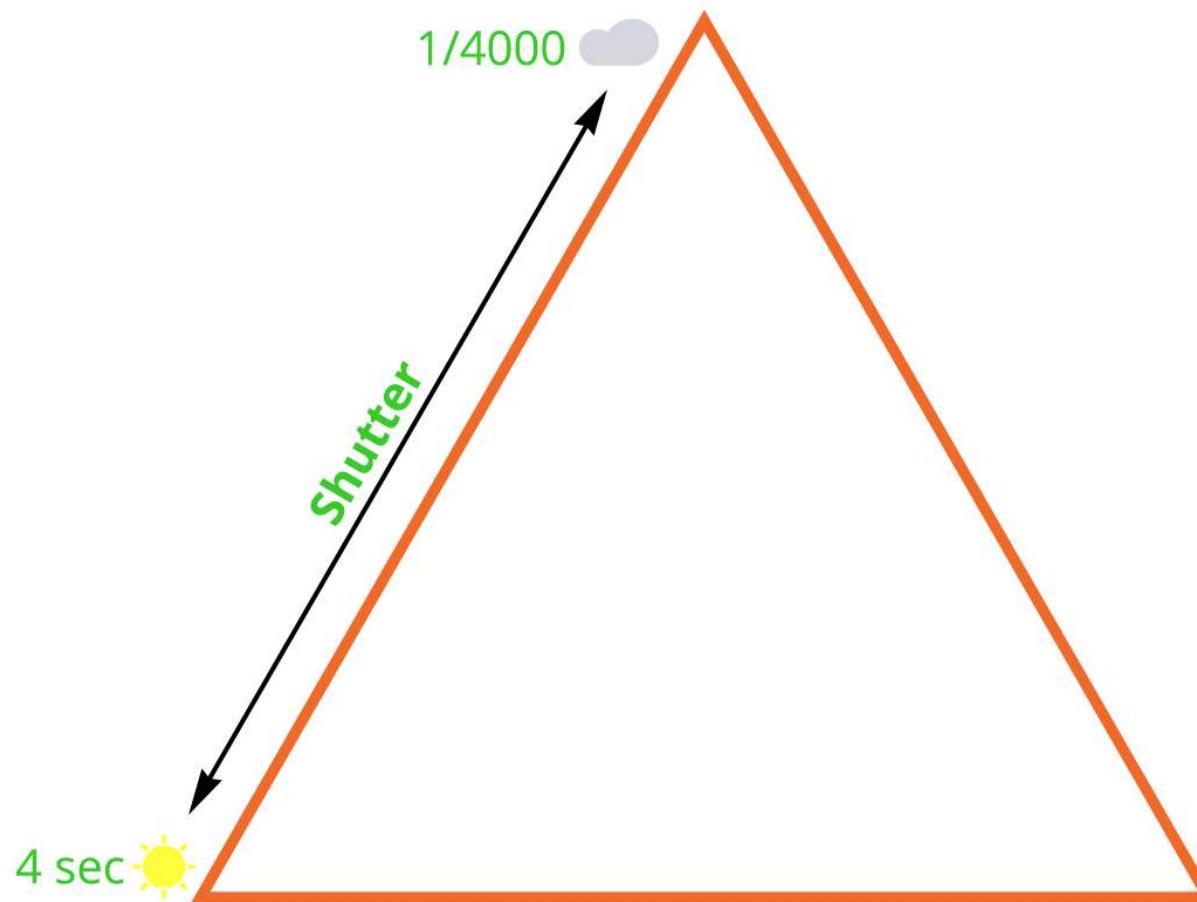
- Exposure controls and their creativity
- Working in Manual Mode - it's not rocket science!
- Be creative with shutters & apertures
- Examples & reasons behind the settings choice
- Sometimes settings don't matter
- What to do when the light meter gets it wrong

## 3 Sides To Exposure

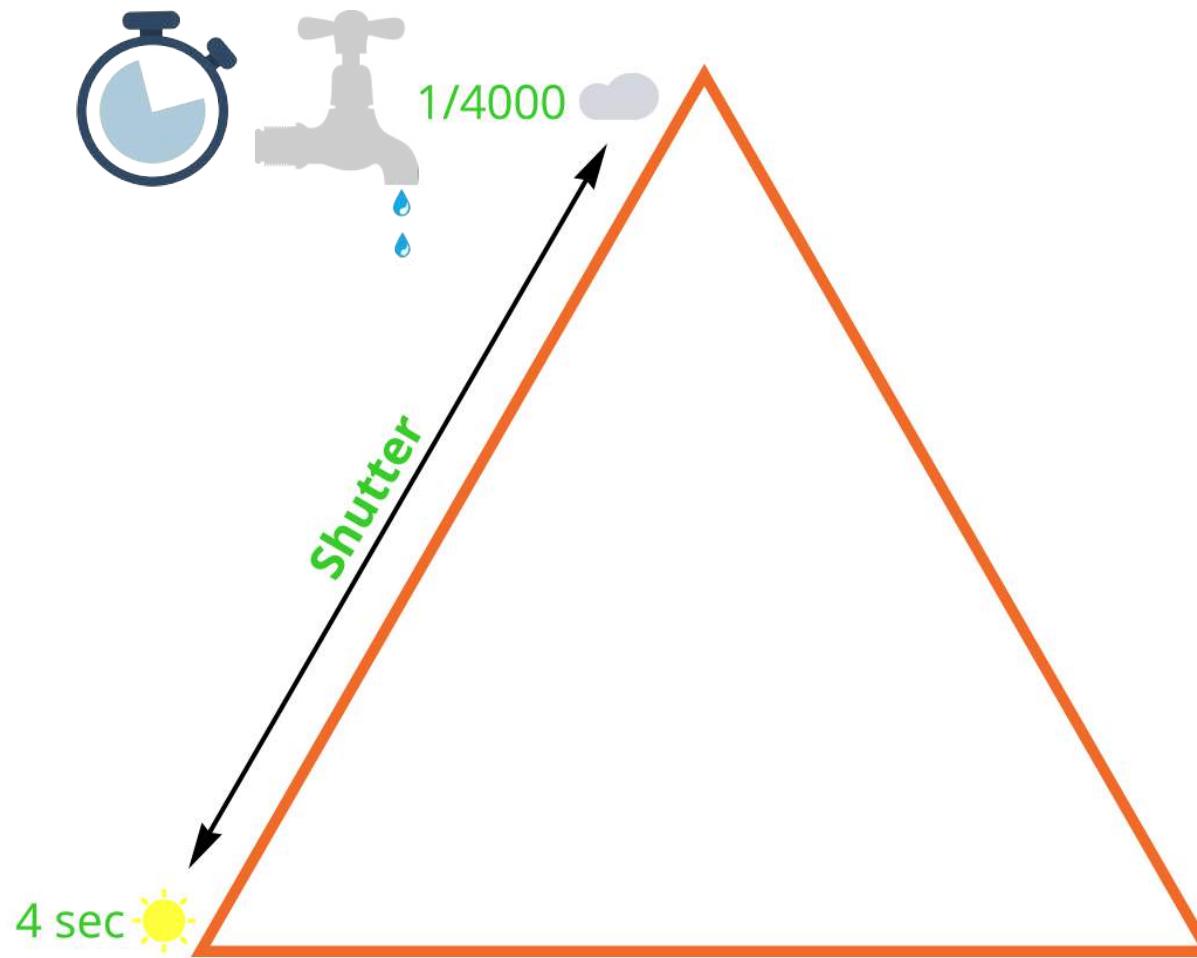
Shutter Speed  
Aperture  
ISO

(like juggling 3 balls)

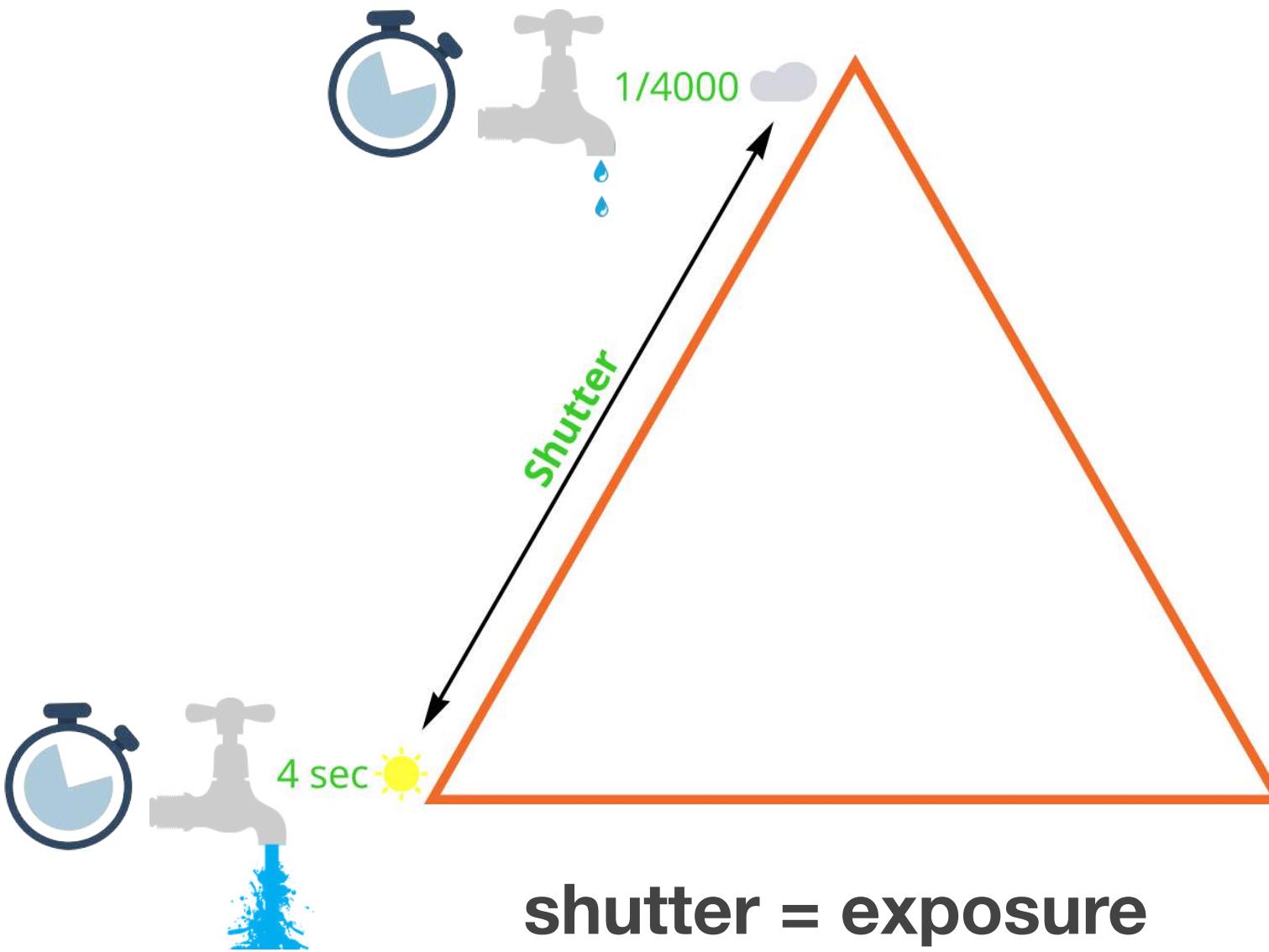


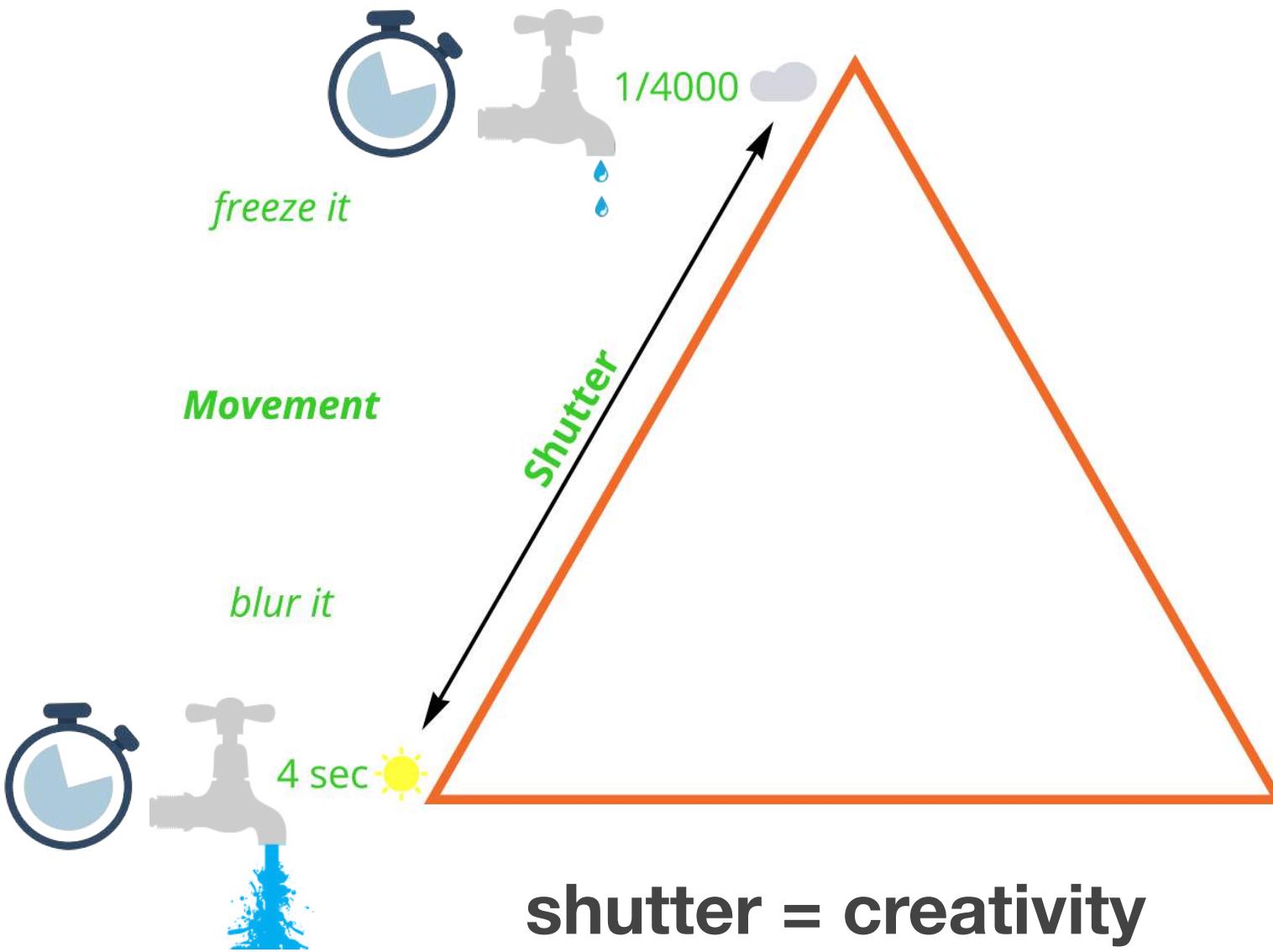


**shutter = exposure**



**shutter = exposure**







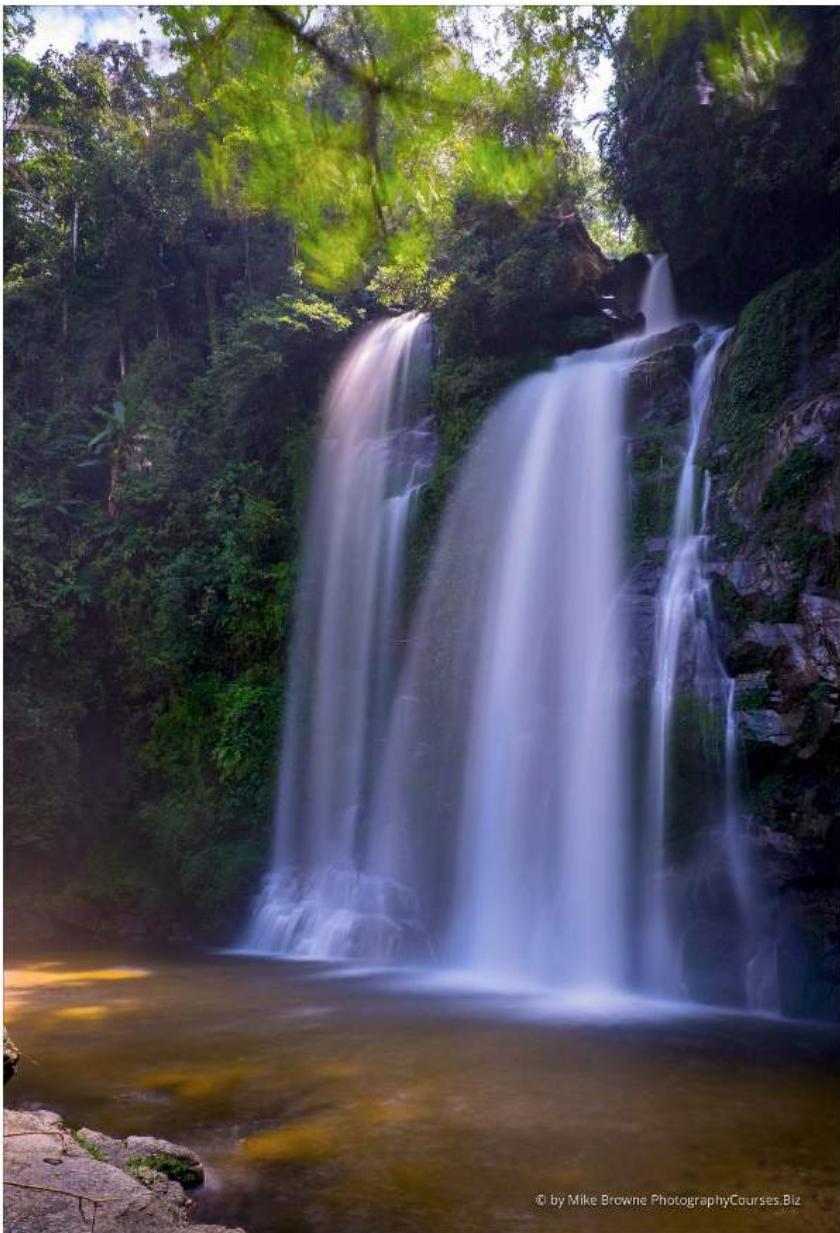
1329\_vietnam\_15-367.jpg  
JPEG image - 935 KB

**Information** [Show Less](#)

Created	Today, 17:05
Modified	Today, 17:05
Content created	25/09/2015
Dimensions	1367×2000
Resolution	72×72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF10-24mmF4 R OIS
Aperture value	4.9709
Exposure time	1/220
Focal length	18.2 mm
ISO speed	200
Flash	No
F number	f/5.6
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop Lightroom Classic 9.2.1 (Macintosh)

**Tags**

[Add Tags...](#)



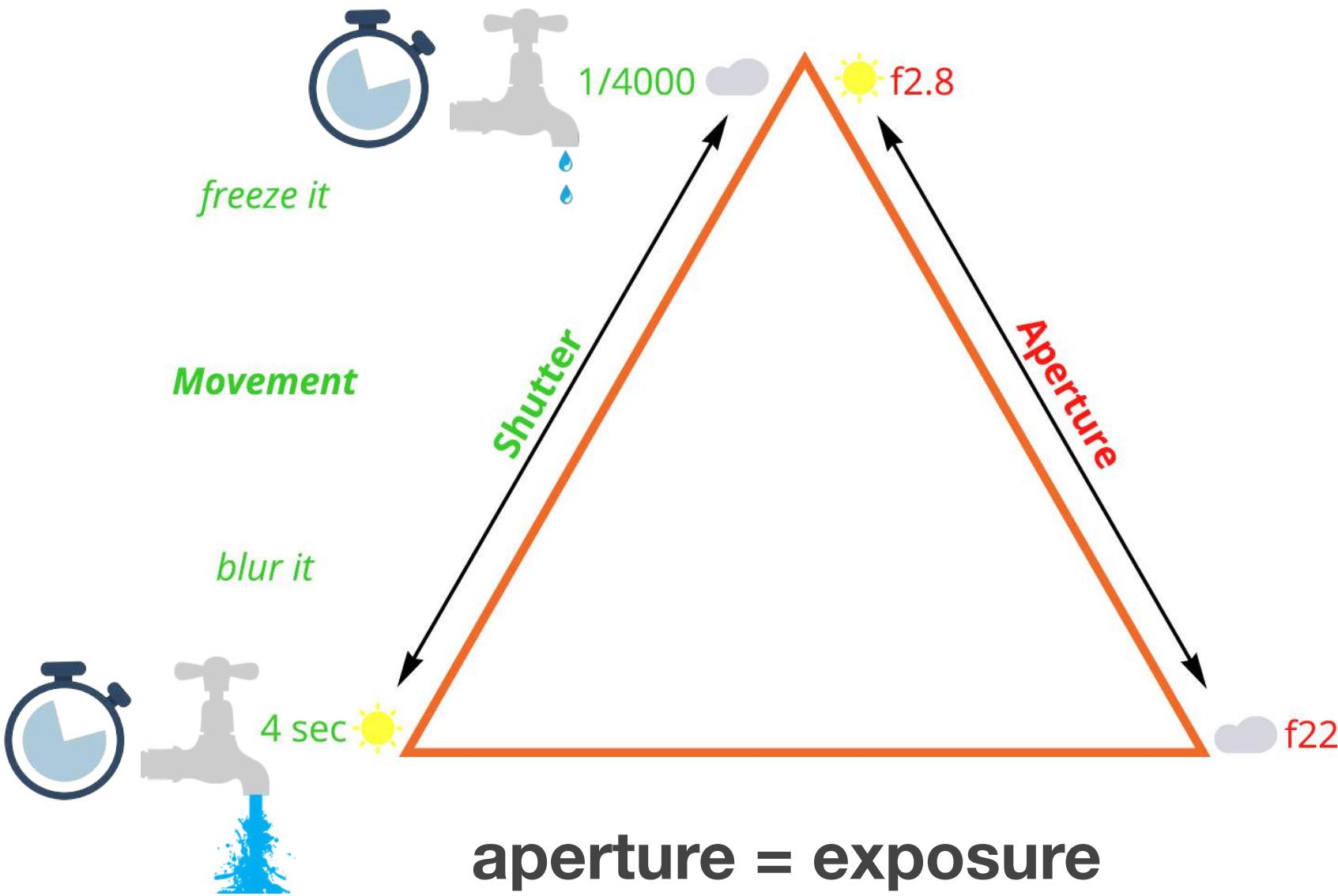
1329\_vietnam\_15-368.jpg  
JPEG image - 2 MB

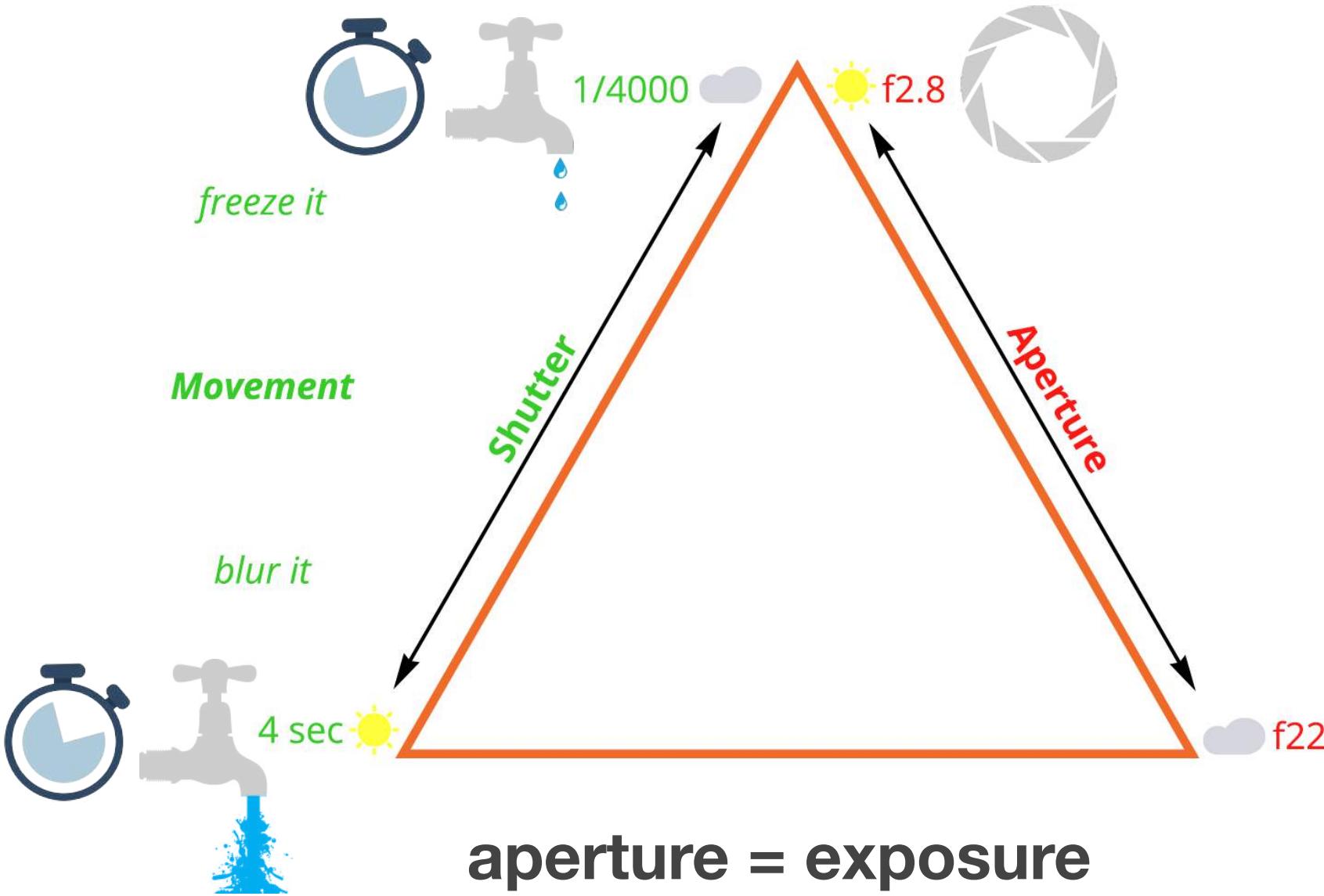
**Information** [Show Less](#)

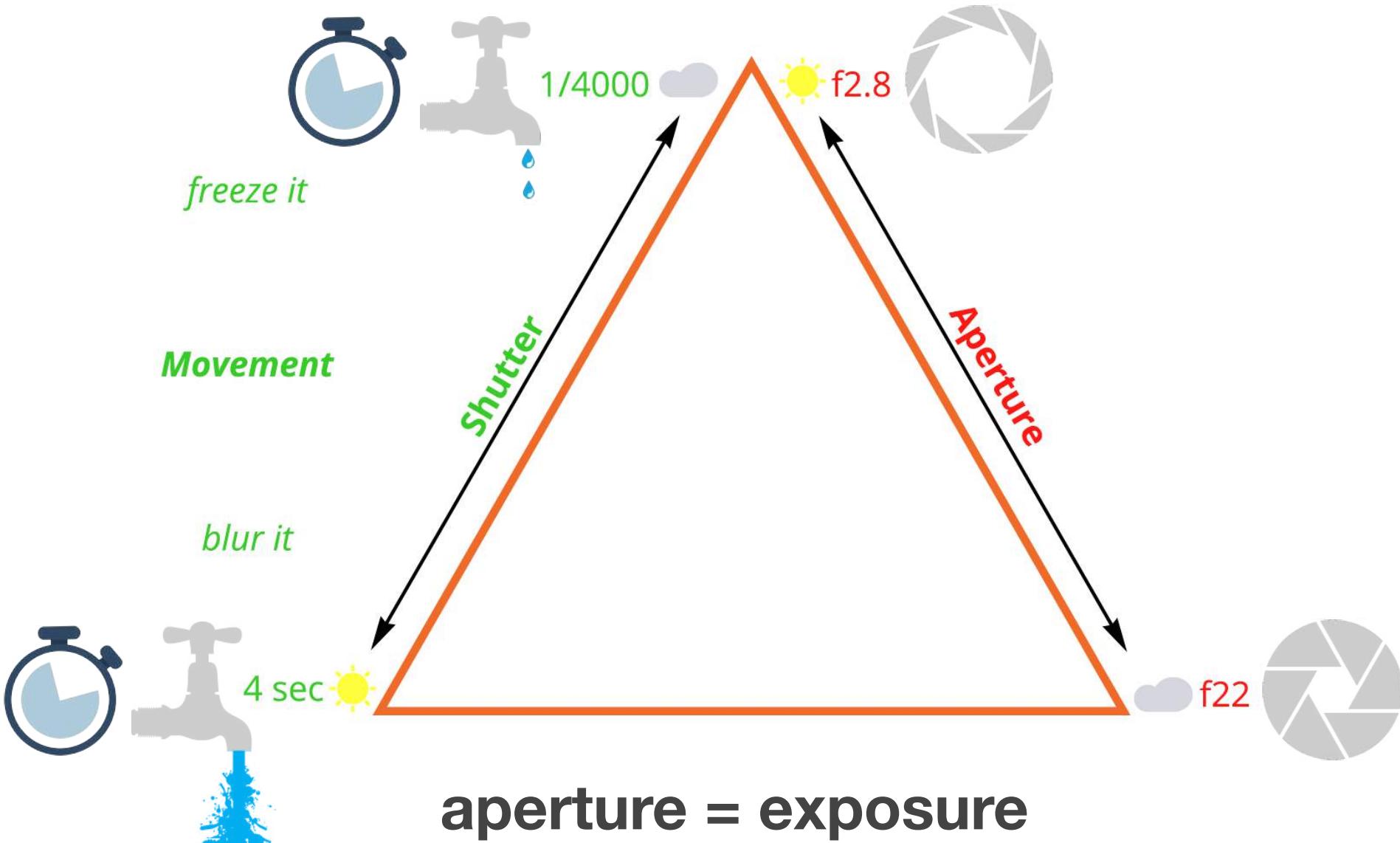
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Modified	11 July 2019 at 17:36
Last opened	11 July 2019 at 17:34
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Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF18-55mmF2.8-4 R LM OIS
Aperture value	4.9709
Exposure time	4.3
Focal length	18 mm
ISO speed	200
Flash	No
F number	f/18
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop CC 2018 (Macintosh)

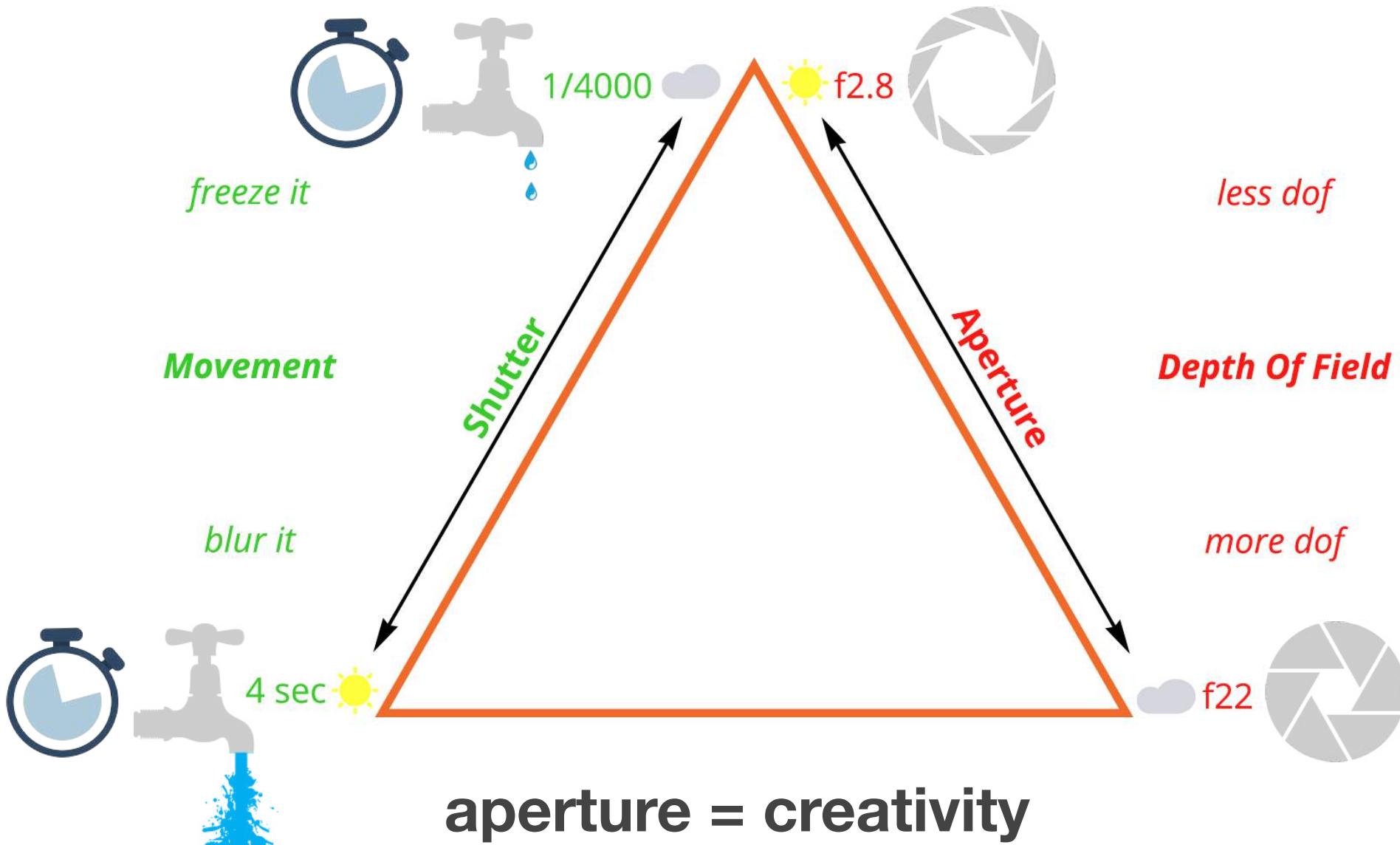
**Tags**

[Add Tags...](#)











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1341 Bex Moira  
121-39-2.jpg

JPEG image - 1.1 MB

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**Information** [Show Less](#)

Created	17 June 2016 at 15:19
Modified	17 June 2016 at 15:19
Content created	04/06/2016
Dimensions	1333x2000
Resolution	72x72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF10-24mmF4 R OIS
Aperture value	8
Exposure time	1/280
Focal length	10 mm
ISO speed	200
Flash	No
<b>F number</b>	<b>f/16</b>
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop Lightroom 6.4 (Macintosh)



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**Tags**

[Add Tags...](#)



1385 Vietnam  
2018-161.jpg

JPEG image - 405 KB

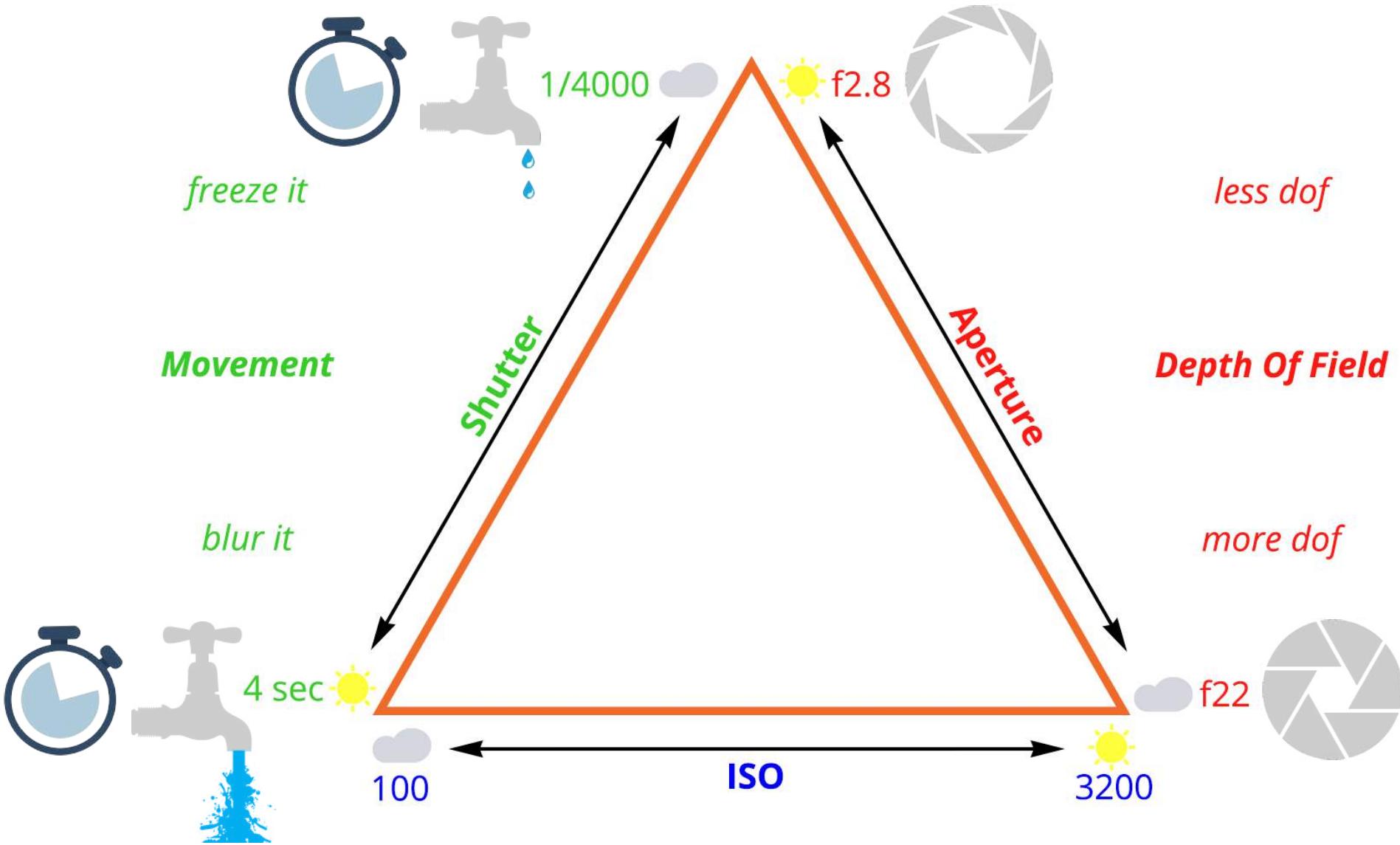
**Information** [Show Less](#)

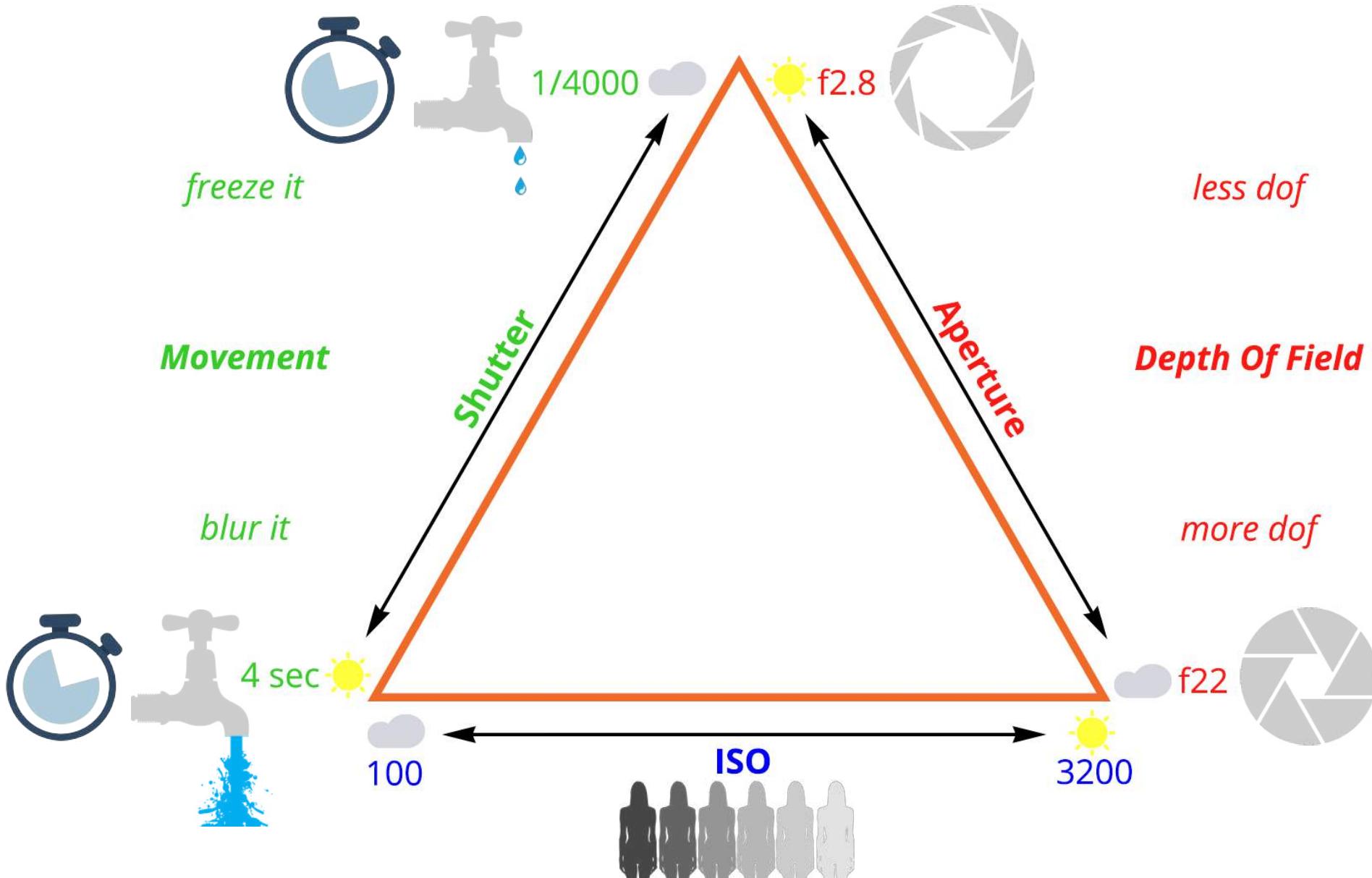
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Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T2
Lens model	XF18-55mmF2.8-4 R LM OIS
Aperture value	4
Exposure time	1/240
Focal length	55 mm
ISO speed	200
Flash	No
F number	f/4
Metering mode	Average
White balance	0
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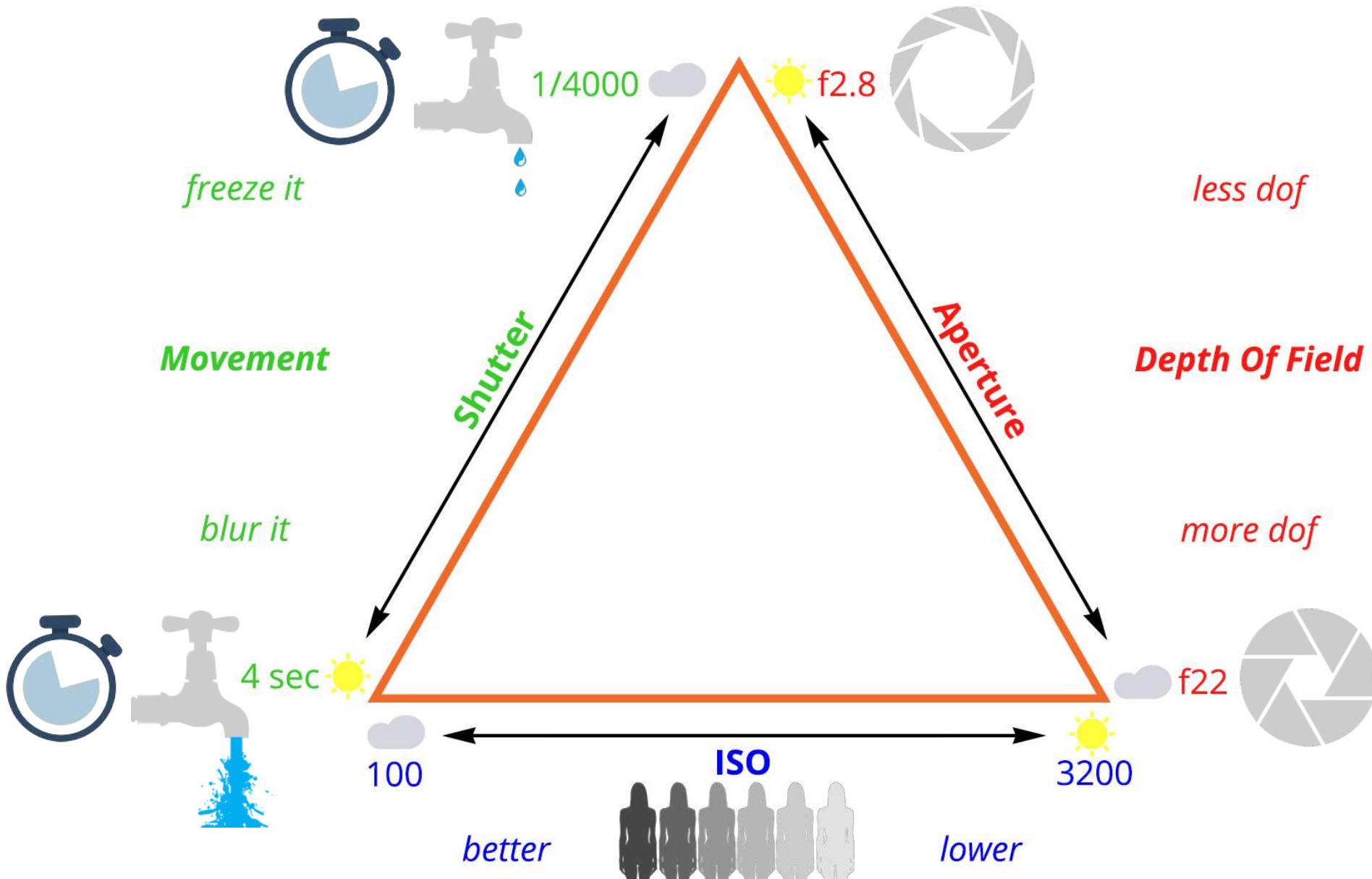


**Tags**

Add Tags...









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MF

5

F3.6

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 +

150 1000



MF

250

F8

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 +

150 200

shutter speed



  MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

shutter speed



aperture



  MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

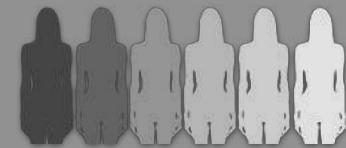
shutter speed



aperture



ISO



MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

shutter speed



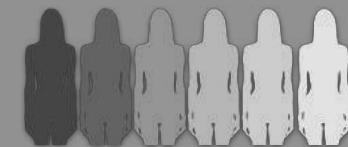
aperture



light meter



ISO



MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

shutter speed



  MF

250

aperture



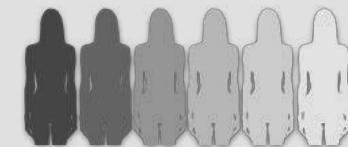
F8

light meter



-3 · · · 2 · · · 1 · · · 0 · · · 1 · · · 2 · · · 3 +

ISO



150 200

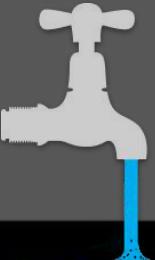
shutter speed



MF

250

aperture



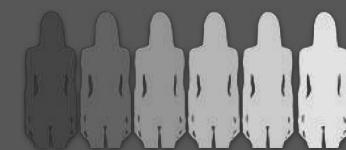
F8

light meter



-3 · · · 2 · · · 1 · · · 0 · · · 1 · · · 2 · · · 3 +

ISO



150 200

shutter speed



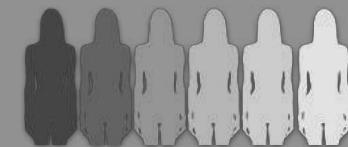
aperture



light meter



ISO



MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

2 = 1/2 second



MF

2

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200

2<sup>“</sup> = 2 full seconds



± MF

2<sup>“</sup>

F8

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 +

150 200



MF

760 F4

-3 2 1 0 1 2 3 +

150 200



# Shutter Speed



  MF

160

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 +

150 200



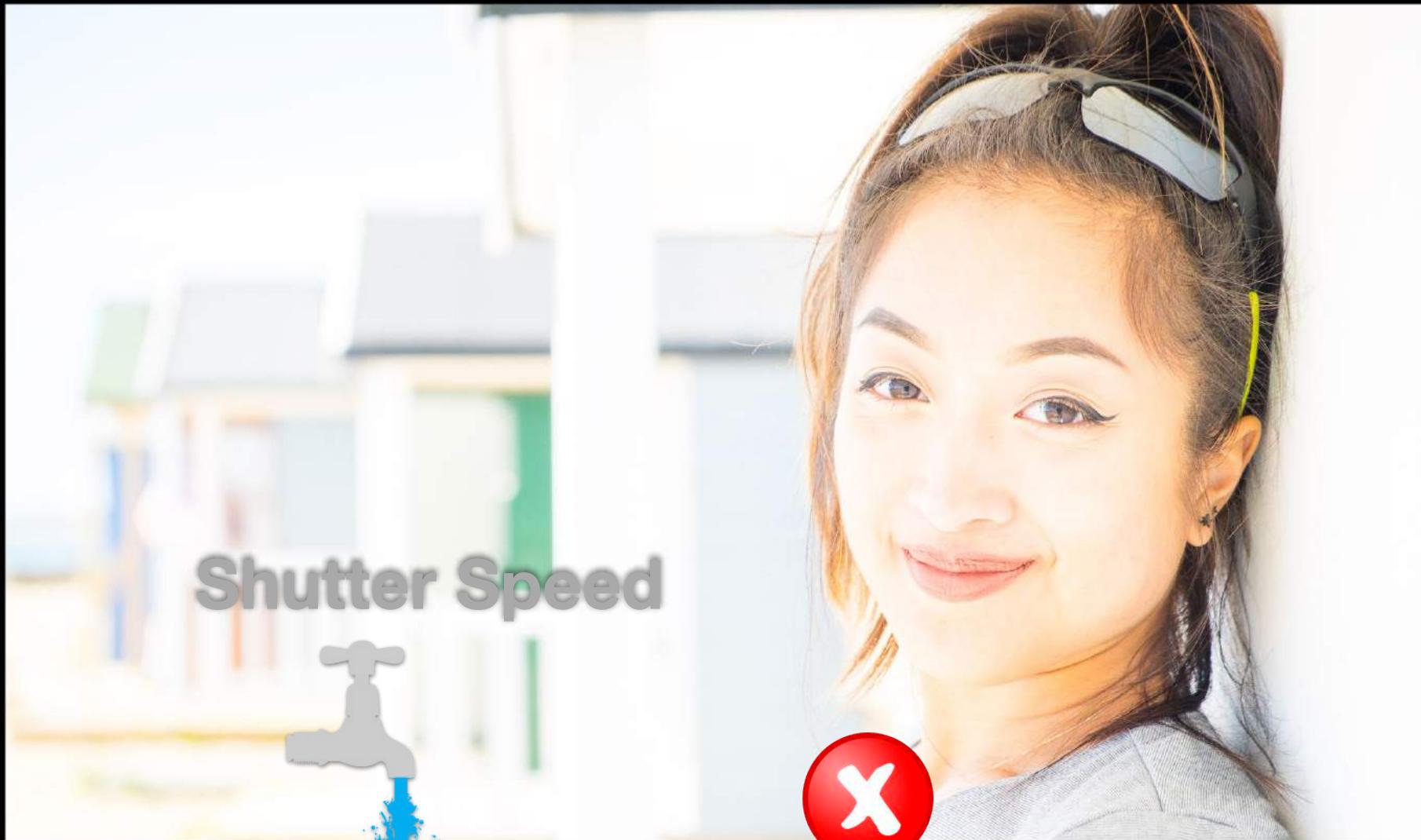
MF

350

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · ·

150 200



Shutter Speed



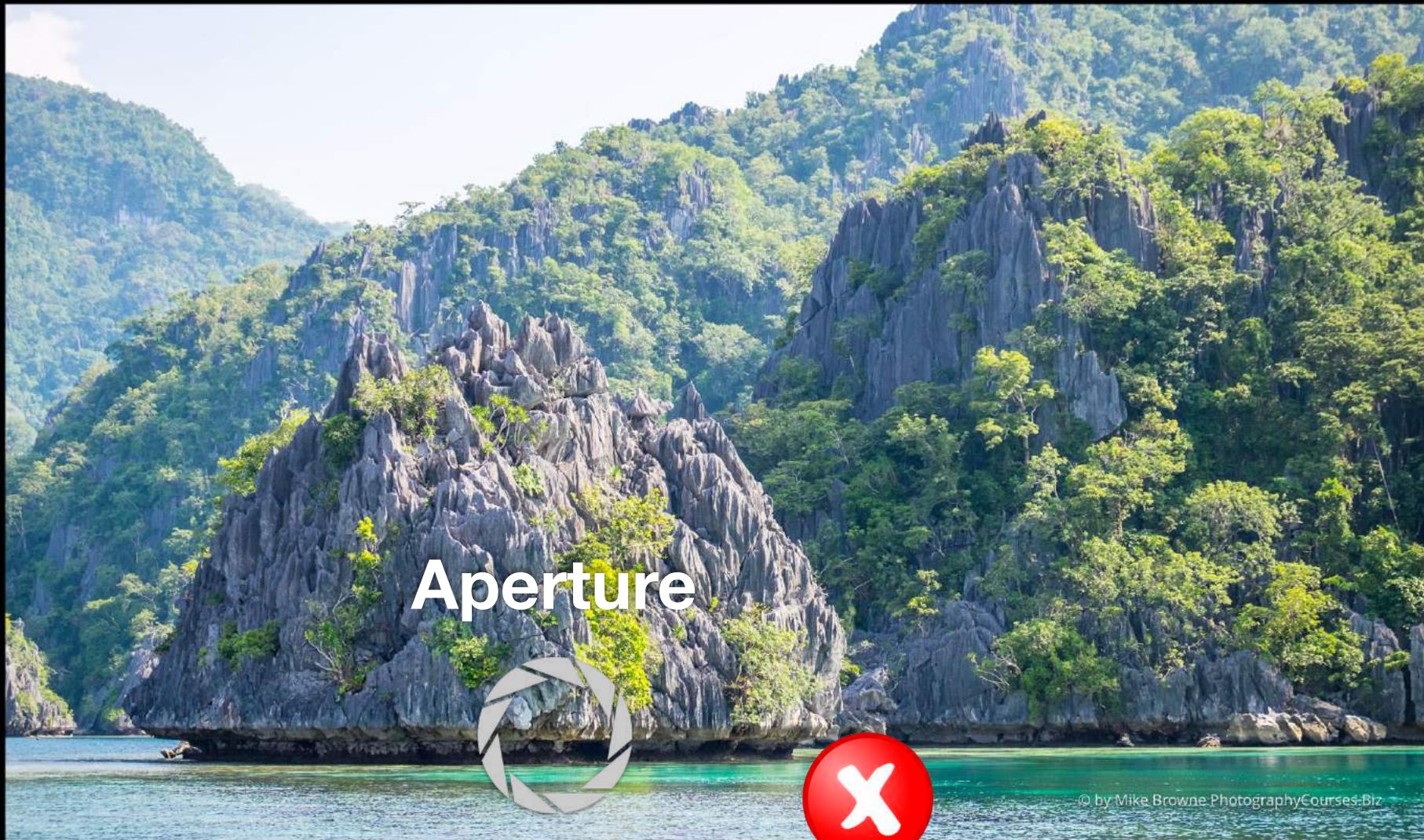
MF

80

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 +

150 200



⚡ MF

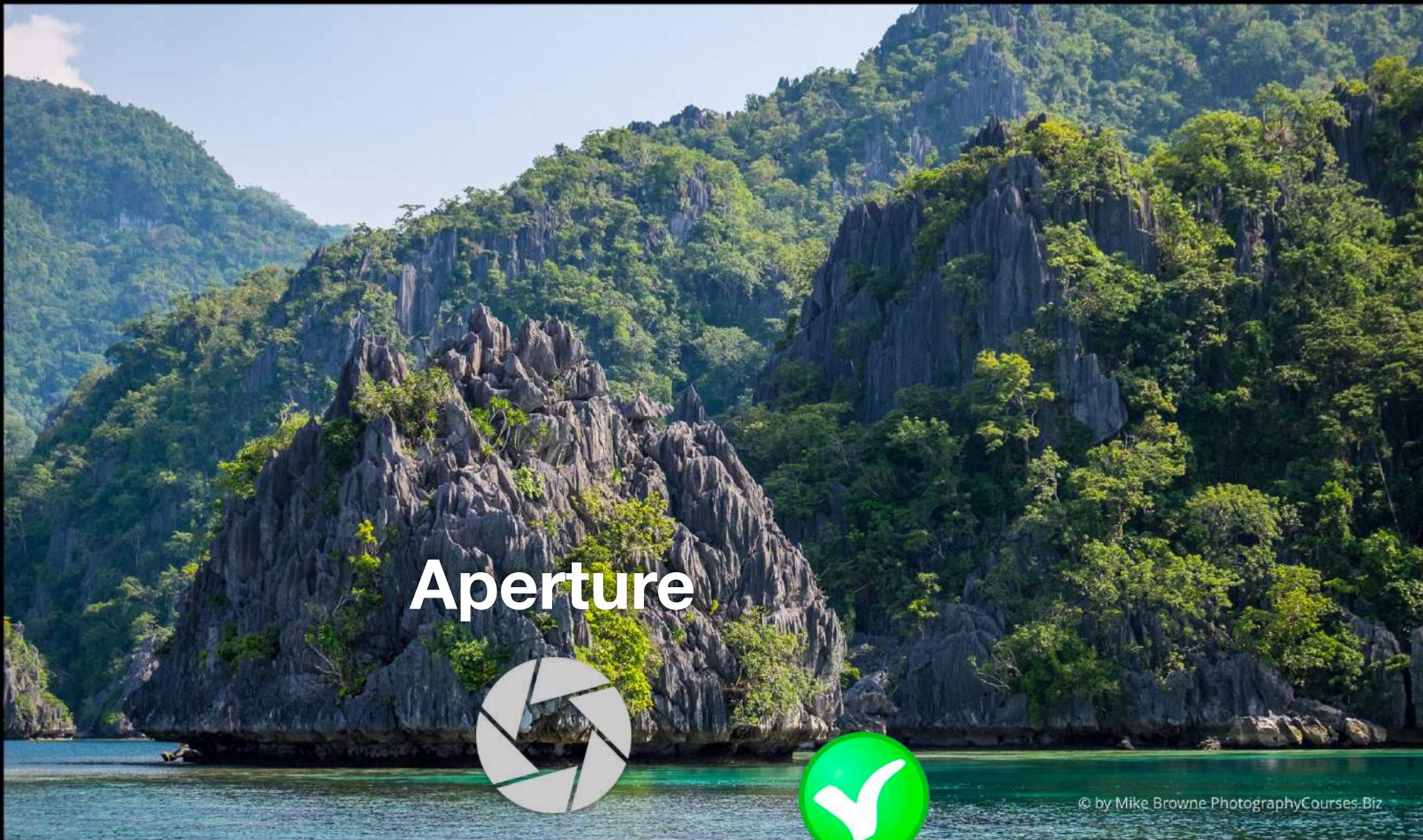
250

F5.6

-3 · -2 · -1 · 0 · 1 · 2 · 3 · +

150

200



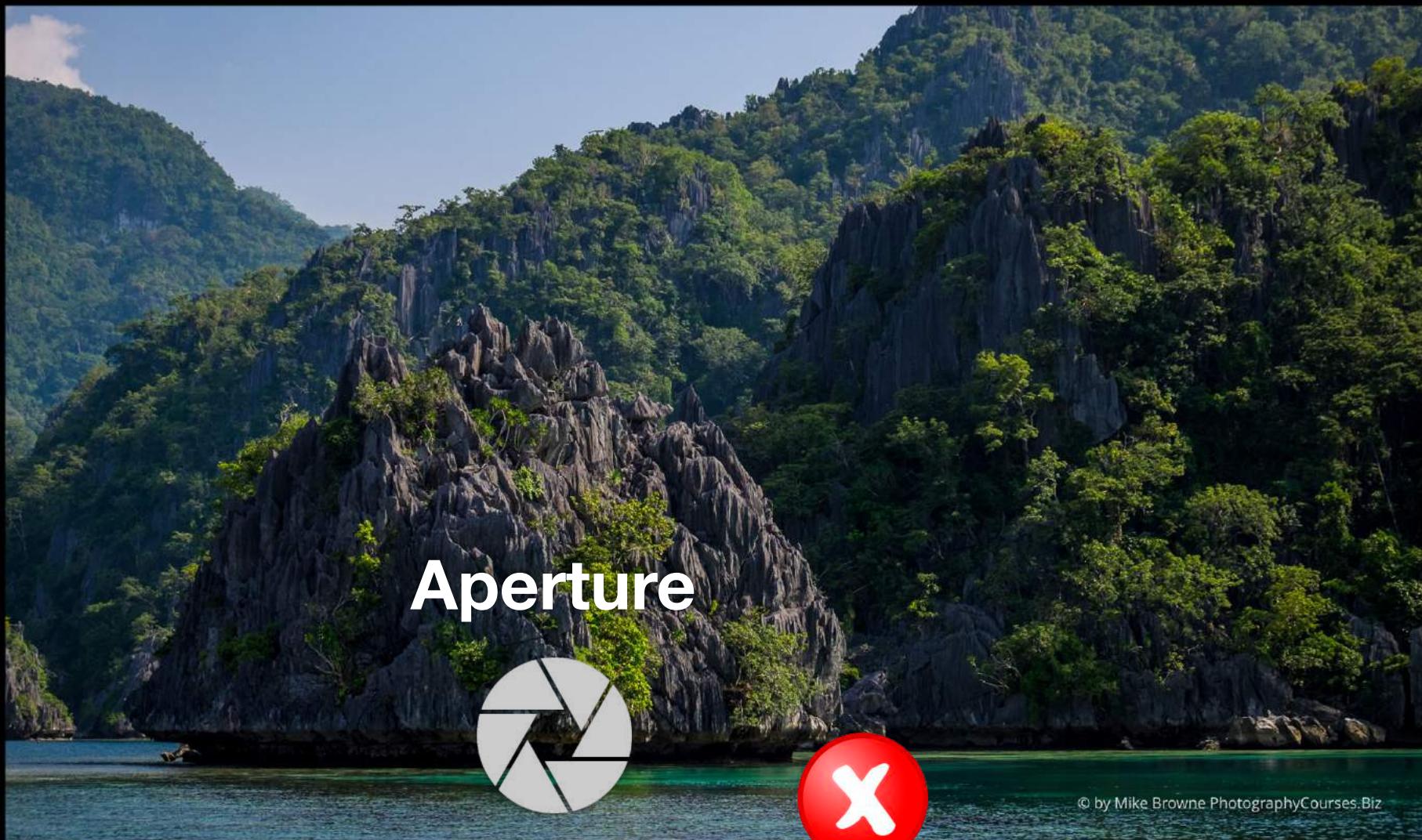
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   **MF**

**250**   **F8**

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · +

**150**   **200**



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MF

250

F11

-3 · -2 · -1 · 0 · 1 · 2 · 3 · +

150

200



MF

50

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · ·

150 400



ISO



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MF

50

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · ·

150 800



AE MF

50

F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · ·

150 1600

# but - which combination is right?



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# but - which combination is right?



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MF

800

F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150

200



MF

400

F8

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150

200



MF

200

F11

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150

200

# Practise Shooting Manual

shutter

aperture

ISO

get confident using these first

*then* start being creative

with movement and depth of field...



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# creative shutter = movement

Faster Freezes

(1/220th sec)



Slower Blurs

(4.3" seconds)





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MF

4

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

4

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



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MF

4

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

150 200



MF

4

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

450

F4.5

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · ·

150 640



MF

450

F4.5

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · +

150 640



MF

450

F4.5

-3 · -2 · -1 · 0 · +1 · +2 · +3

150 640

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# creative aperture = depth of field



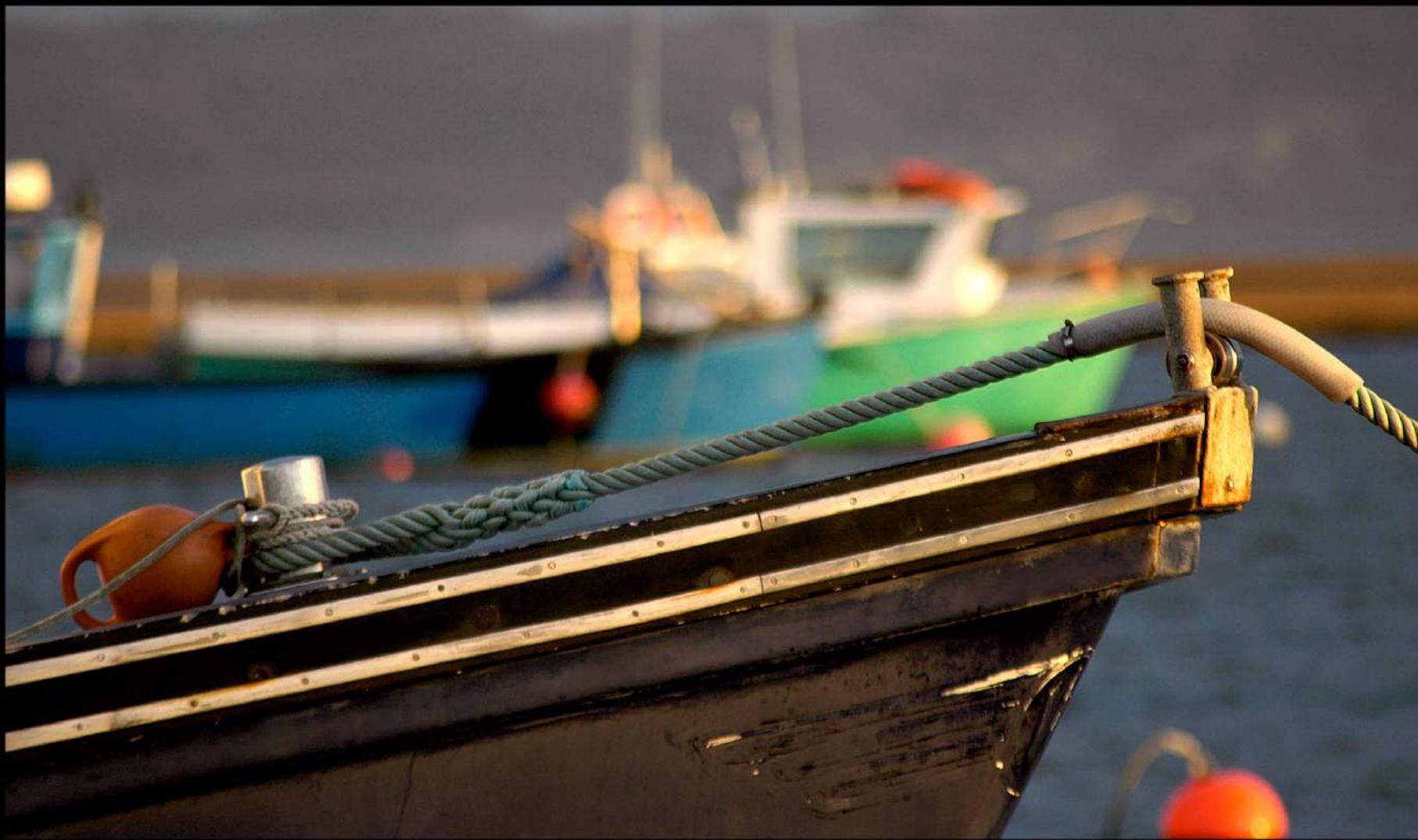
Big Apertures = Shallow DOF

(@ f4...)



Small Apertures = Deep DOF

(@ f16...)

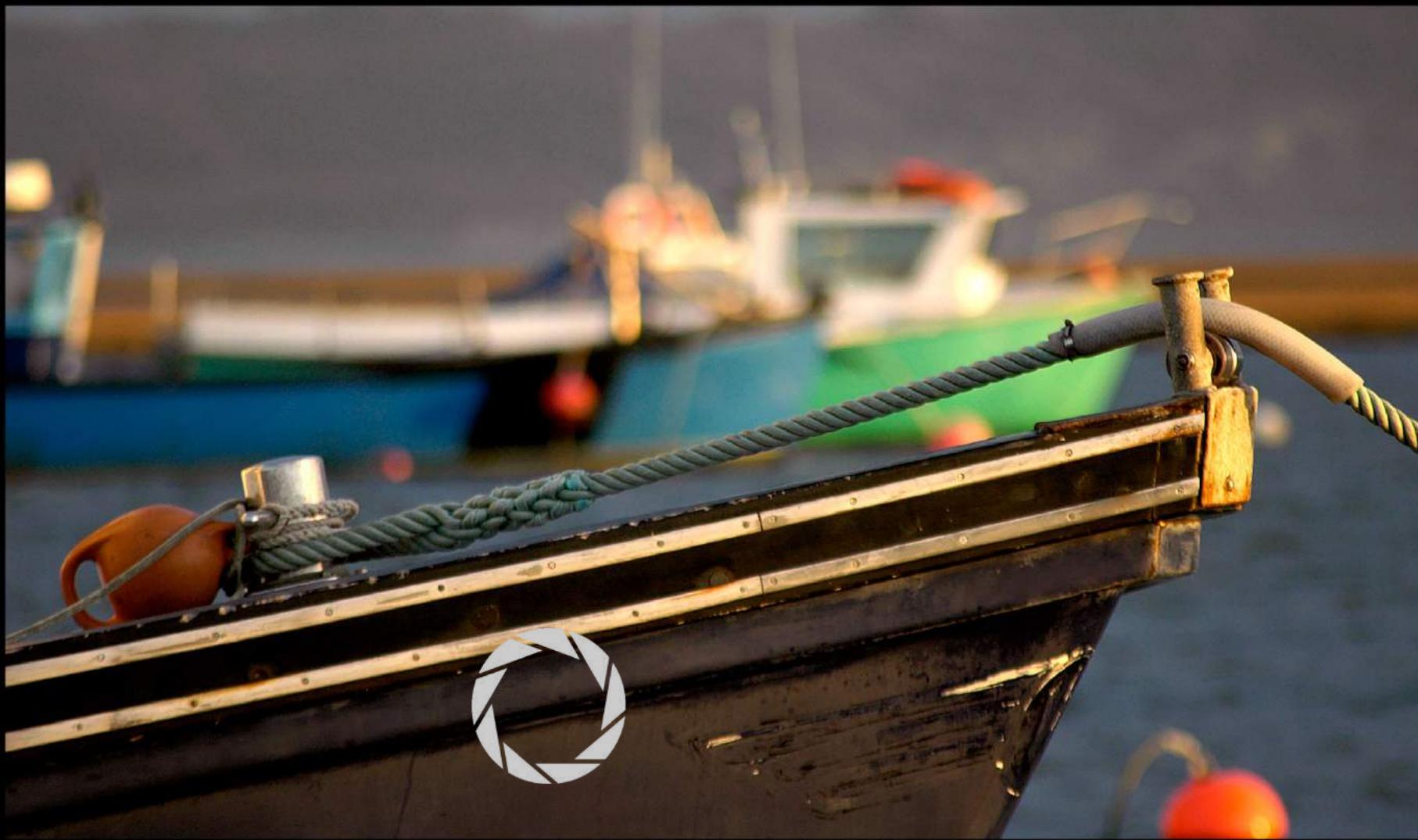


MF

250 F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



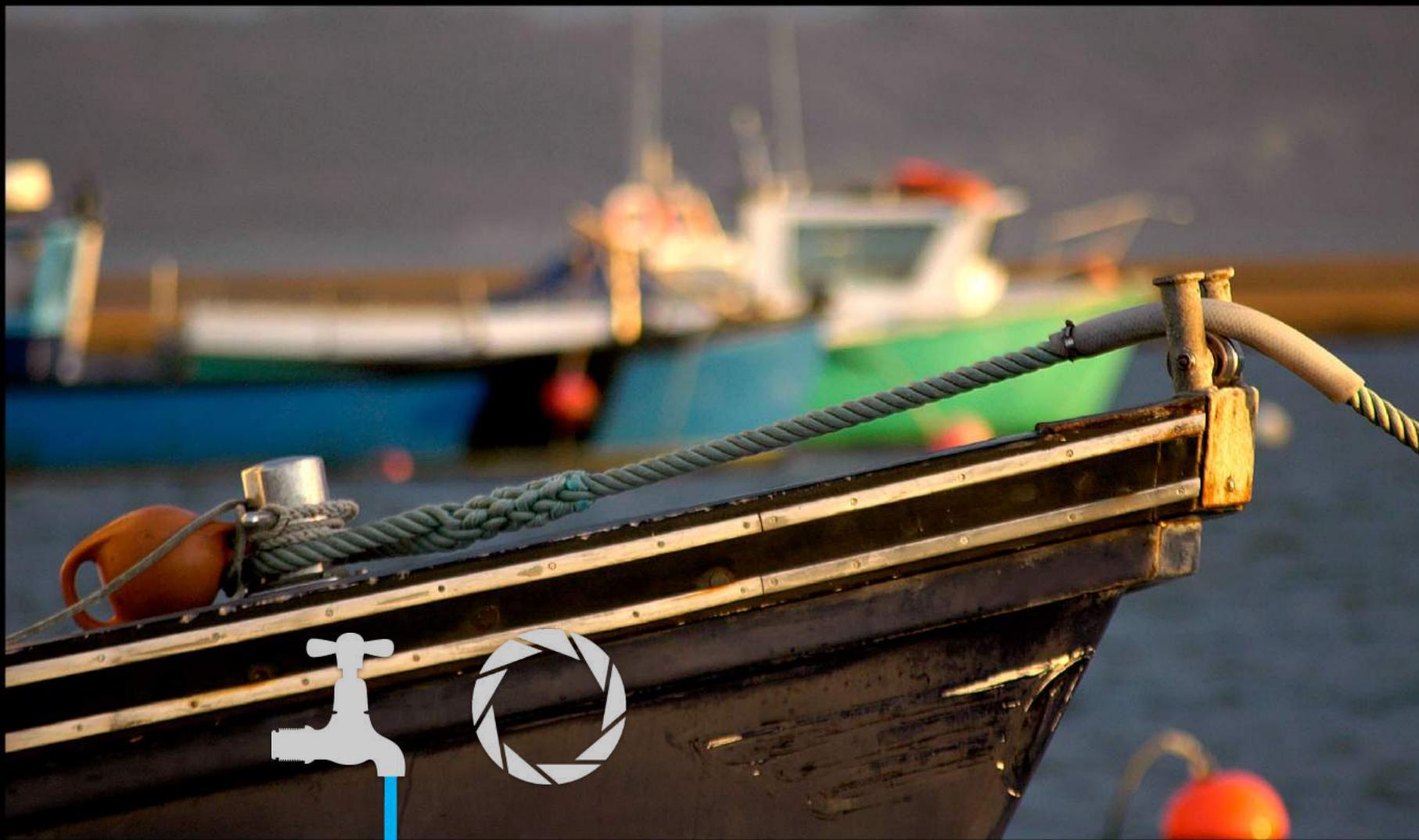
MF

250

F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



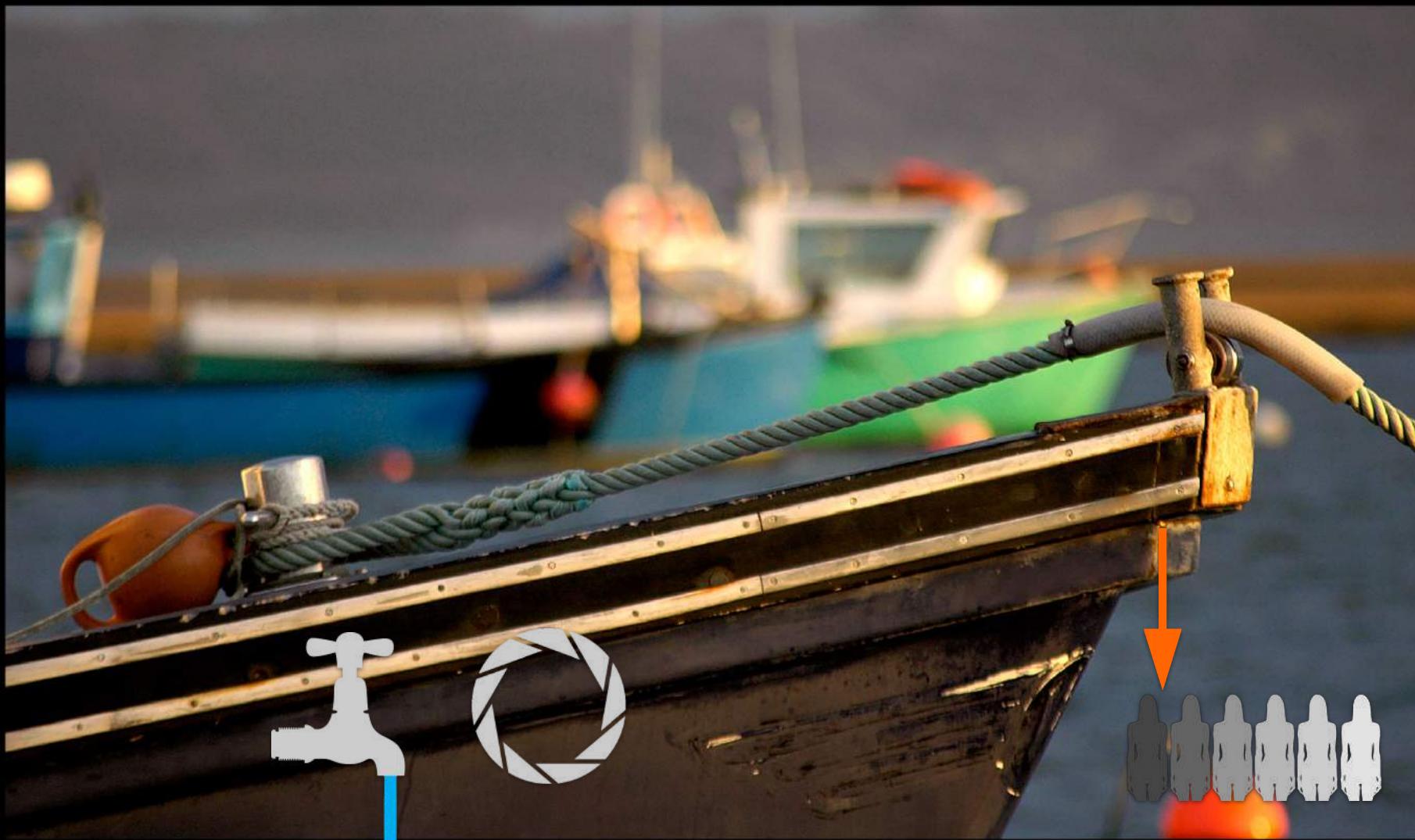
MF

250

F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



AE MF

250

F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

125

F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

125

F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

125

F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



MF

125

F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



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⚡ MF

6

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



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⚡ MF

6

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



⚡ MF

6

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200

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© Mike Browne PhotographyCourses.Biz

⚡ MF

6

F16

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



© Mike Browne PhotographyCourses.Biz

⚡ MF

6

F16

-3 · -2 · -1 · 0 · 1 · 2 · 3 +

150 200

# freezing movement with a large D.O.F.



fast shutter + small aperture - won't it be under-exposed?



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MF

500

F11

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 800



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MF

500

F11

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 800



© Mike Browne PhotographyCourses.Biz

MF

500

F11

-3 · -2 · -1 · 0 · 1 · 2 · 3 +

150 800



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MF

500

F11

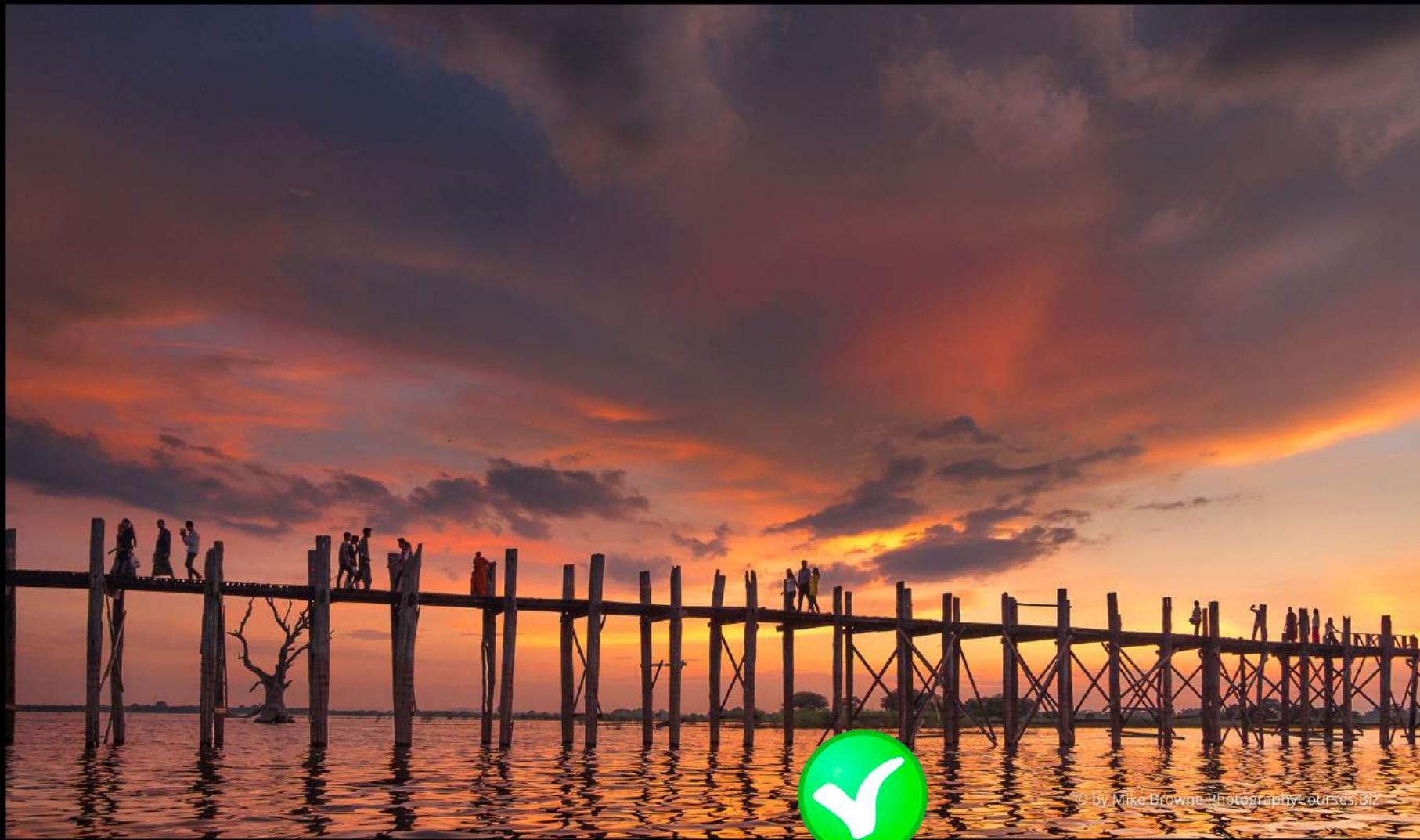
-3 · -2 · -1 · 0 · 1 · 2 · 3 +

150 8000

# Which Settings?



it depends...



MF

60

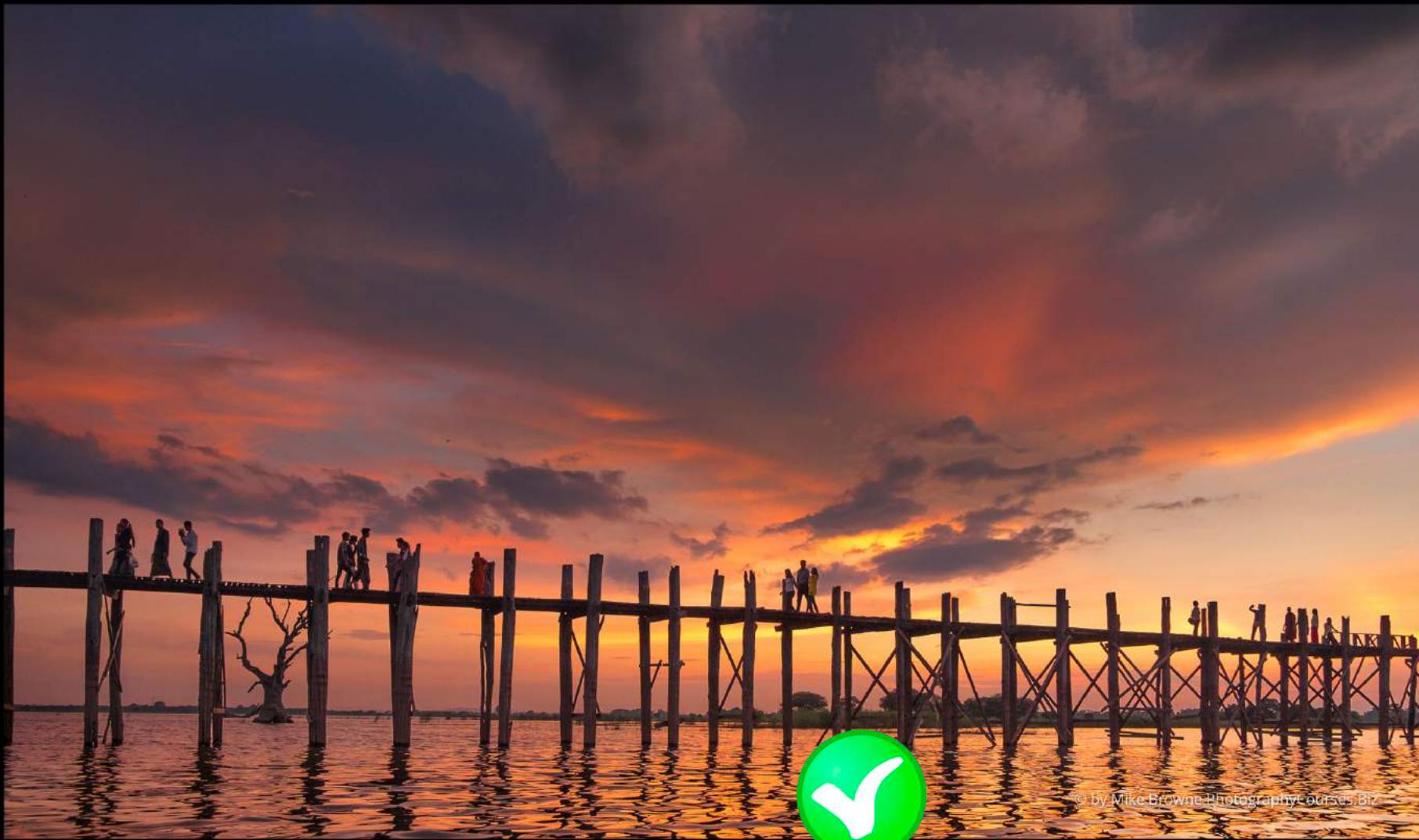
F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 100



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© by Mike Browne Photography Courses, Bl2

MF

250

F5.6

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 400

# Sometimes the light meter is wrong!



have you had a bright scene come out dark?

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MF

2000 F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200

Σ  MF

2000 F4

-3 · 2 · 1 · 0 · 1 · 2 · 3 +

150 200



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⚡ MF 2000 F4 -3 · 2 · 1 · 0 · 1 · 2 · 3+ 150 200



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MF

500 F4

-3 · · 2 · · 1 · · 0 · · 1 · · 2 · · 3 · +

150 200

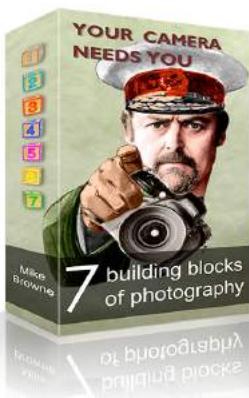
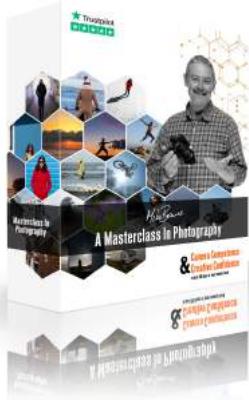
# What To Do Now

1. Practise making manual exposures (don't play with D.O.F / movement yet)
2. Experiment with different combinations of settings to get the same exposure
3. Practise using shutters & apertures for movement, sharp & blurry backgrounds



## I Recommend:

- You complete the Masterclass in Photography
- Focal Length Explained Webinar
- Remember light meters think everything's grey and sometimes get it wrong



Photography is not as complicated as some make it out to be. The multitude of features in your camera make it needlessly complex. Most of it is put there by marketing people to convince you to buy an upgrade you don't actually need.

*The good news is - there are only 5 controls to master + light and composition.*

Photography's a bit of knowledge and a lot of practise - which is great because you love taking photos, right? Allow me to teach you that knowledge, in the correct sequence so it makes sense. Let me show you how to 'see' photos, make engaging compositions and exploit light so your photos truly pop.

I'll give you exercises too so you get hands on experience which is what makes photography effortless and easy.

**The 7 Building Blocks Of Photography** teaches you how to evolve ideas and pre visualise what you want your image to look like. How to work backwards from that pre-visualisation and assemble everything in Masterclass in Photography, in the correct sequence, to make that pre visualisation a reality.

When you complete the 7BBP you'll be thinking like a photographer, instead of merely someone with a camera and you will be able to tackle any situation, genre or subject with confidence.

*Exclusive Cameras Don't Take Pictures seminar video from the 2019 Photography Show in Birmingham - only available in this webinar offer*

