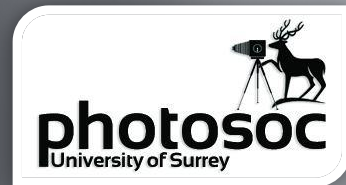


Mini Lecture 2: The Basics of Exposure

Louis Christodoulou

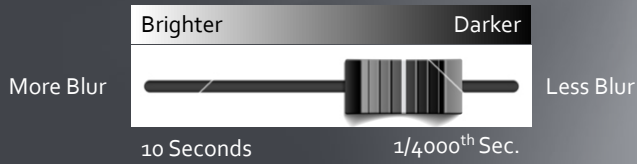
Slides originally by Ben Porter



What is Exposure?

Shutter Speed

Effect: Motion Blur.



Example Images



Fast shutter speed – freezes the action.

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Example Images



Blur to emphasize motion.

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Aperture

Effects: Depth of Field.



Less DoF



More DoF

Example Images



Shallow Depth of Field to Isolate subject

All rights reserved by Dave Carr

Example Images



Deep Depth of Field for greater area of sharp focus

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ISO (Or ASA)

And Noise.



ISO sensitivity settings

ISO sensitivity

- Auto
- 100
- 125
- 160
- 200
- 250
- 320

ISO speed

Auto

AUTO	100	200	400	800
1600	3200	6400	H	

Brighter Darker

More Noise Less Noise

ISO 6400 ISO 100

Example Images



Low ISO – Clean, smooth image.

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Summary

Shutter Speed

Brighter Darker

More Blur Less Blur **BLUR**

10 Seconds 1/4,000th Sec.

Aperture

Brighter Darker

Less DoF More DoF **DoF**

F/1.2 F/22

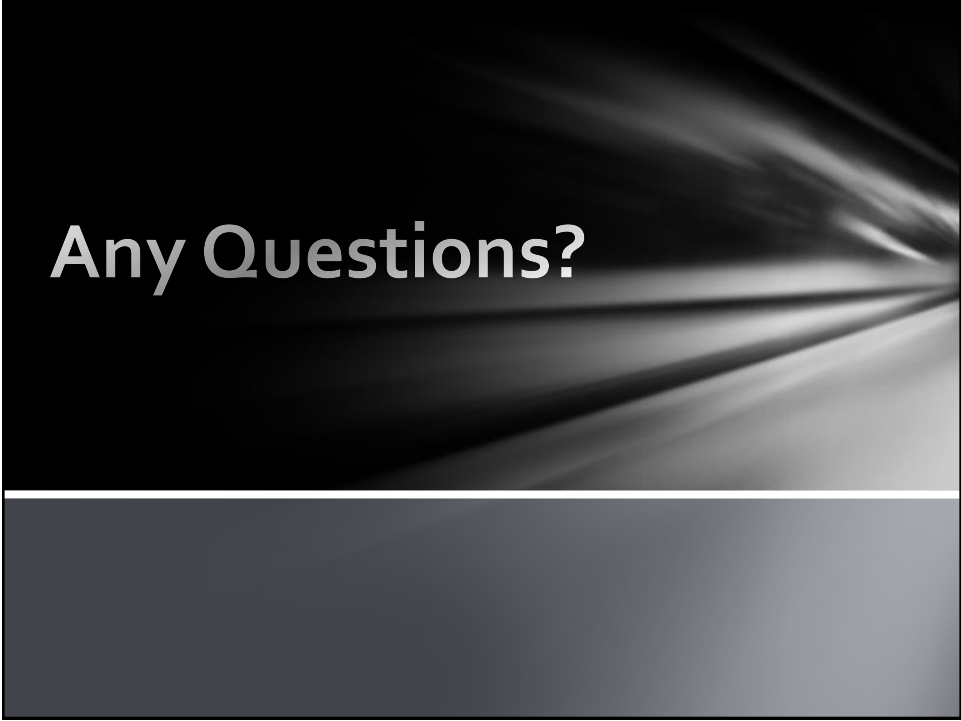
ISO

Brighter Darker

More Noise Less Noise **NOISE**

ISO 64,00 ISO 200

The diagram consists of three horizontal sliders, each representing a different camera setting. Each slider has a gradient from light to dark and a central bar with vertical lines. The first slider is for Shutter Speed, with '10 Seconds' on the left and '1/4,000th Sec.' on the right. The second is for Aperture, with 'F/1.2' on the left and 'F/22' on the right. The third is for ISO, with 'ISO 64,00' on the left and 'ISO 200' on the right. To the right of each slider, a red word indicates the effect: 'BLUR' for Shutter Speed, 'DoF' for Aperture, and 'NOISE' for ISO.



Any Questions?