

Stroboscopic Imagery

How To

- Darkened Room, dark background, keep the scene clean
- Flash in 'Multi', 'Repeat', 'Strobo' mode
- Hz setting = how many times per second
- Number of shots = number of time it should fire
- Flash output = the power needed to light the subject

Why dark?

Light background and objects will become more exposed with each flash and will remain in the scene. They will shine through your subject.

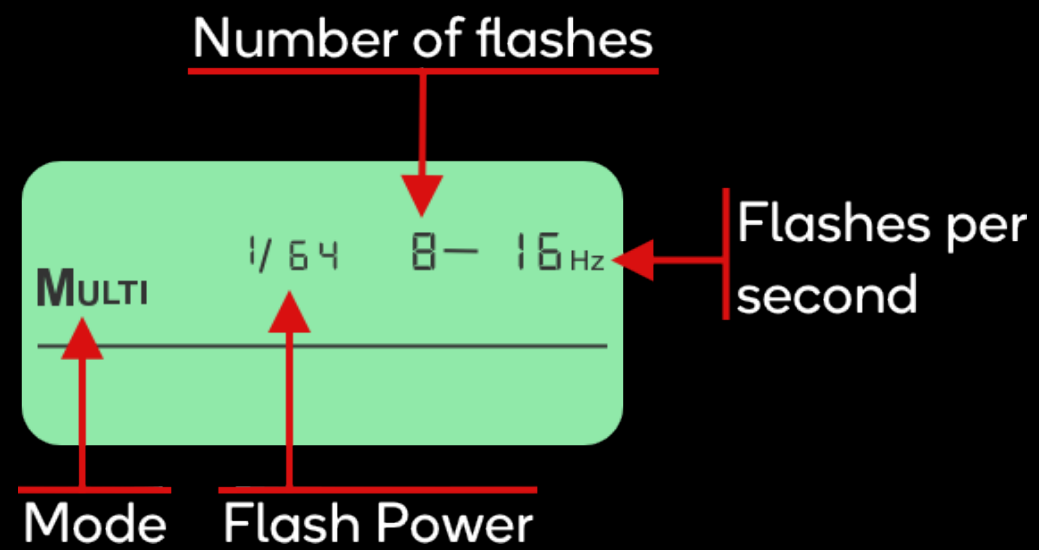
Mode

Multiple = Canon, Godox, others

Repeating flash = Nikon

Strobo = Metz

How To



Mathematics

Num Flashes / Frequency = Minimum Shutter Speed

- Number of flashes: 8
- Frequency Hz: 16
- Exposure time: 0.5 seconds



Exposure time: 0.5

Mathematics

Num Flashes / Frequency = Minimum Shutter Speed

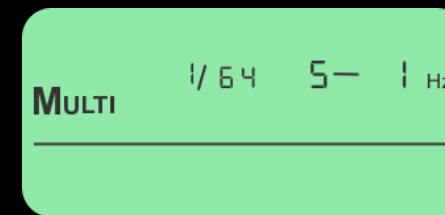
- Number of flashes: 40
- Frequency Hz: 20
- Exposure time: 2 seconds



Mathematics

Num Flashes / Frequency = Minimum Shutter Speed

- Number of flashes: 5
- Frequency Hz: 1
- Exposure time: 5 seconds



How To

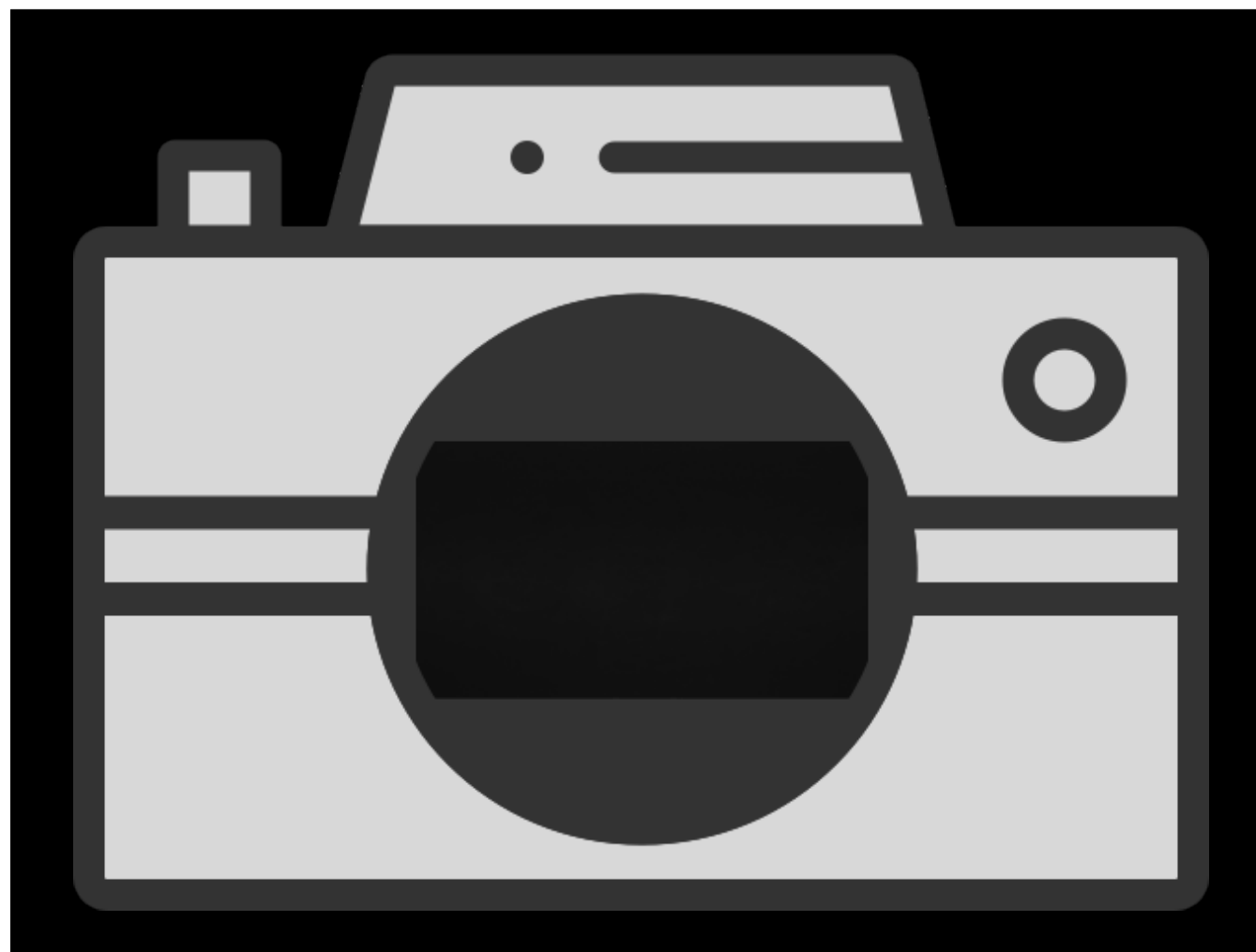
- Ensure you have enough time
- Ensure you don't have too much time
- Make sure you don't overheat!
- Things that don't move
- Play, have fun

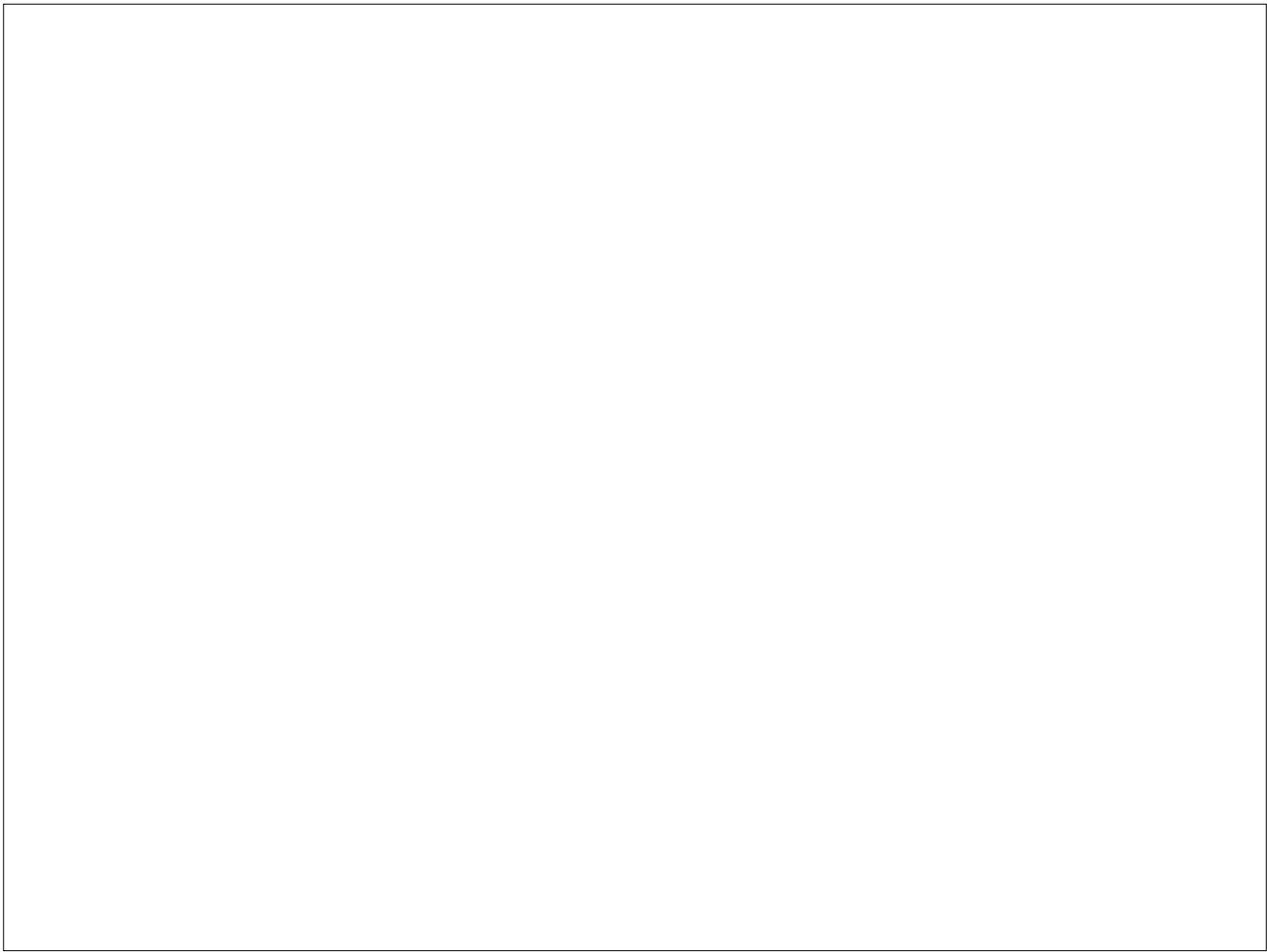
Consider the movement of the subject through the frame, do you have enough time for them to make movements, to switch positions?

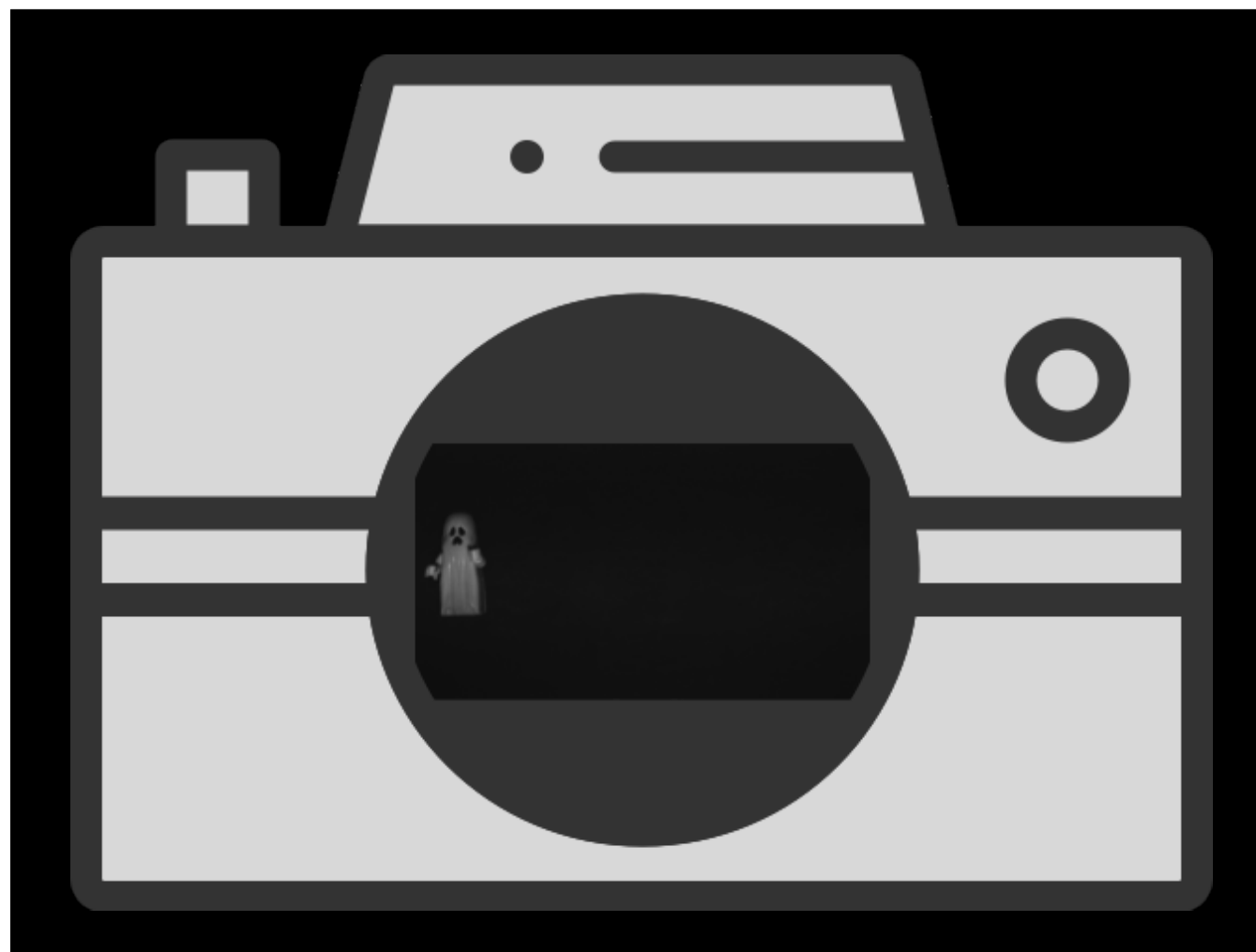
Too much time will result in the ambient light leaking in and exposing your scene and subject, though this can be used for effect.

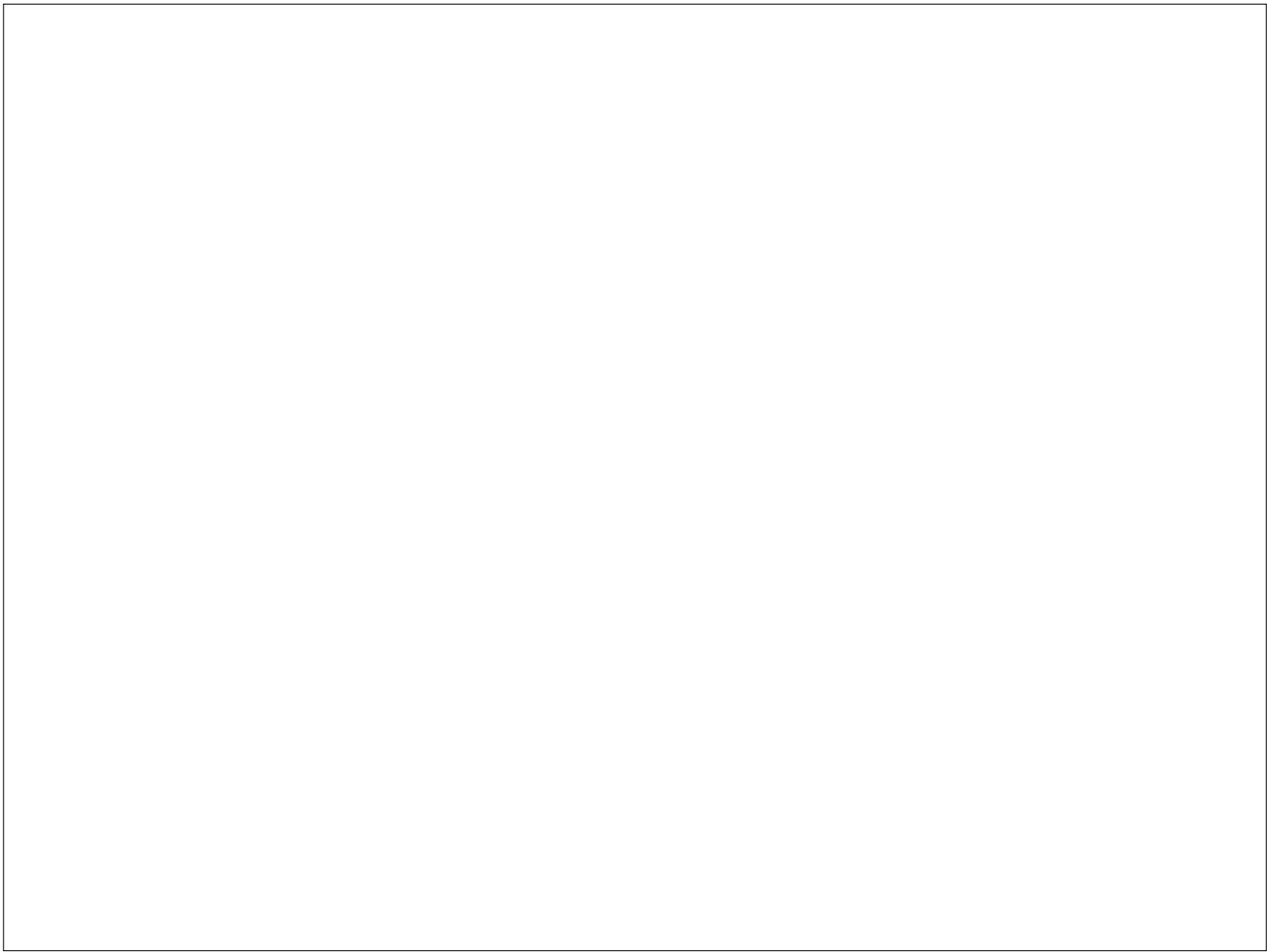
Firing your flash many times may result in it overheating. Many of the high-end flashes have built in protection and they'll stop all by themselves. But others may not.

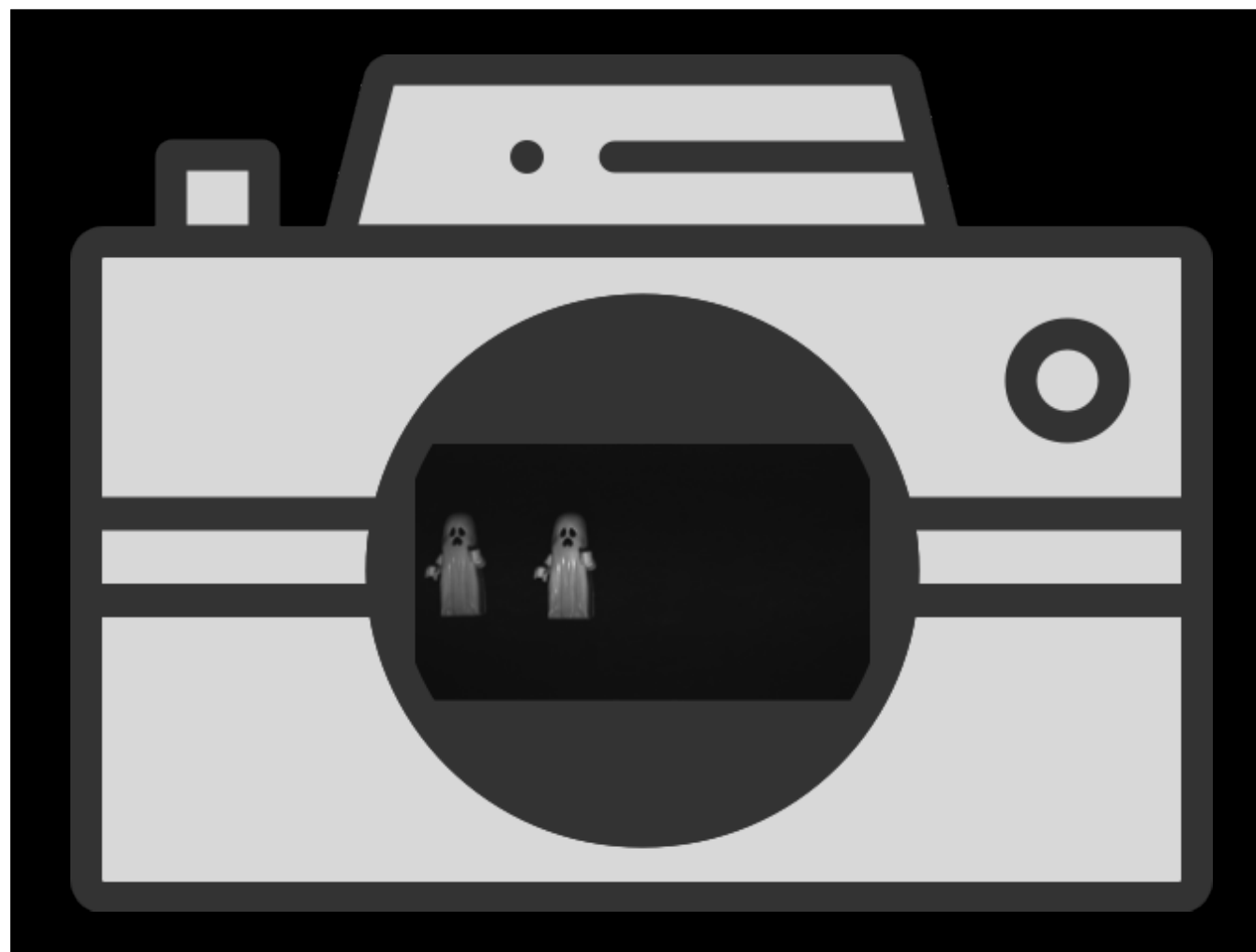
If you have stationary items in your frame they will be exposed each time the flash fires.

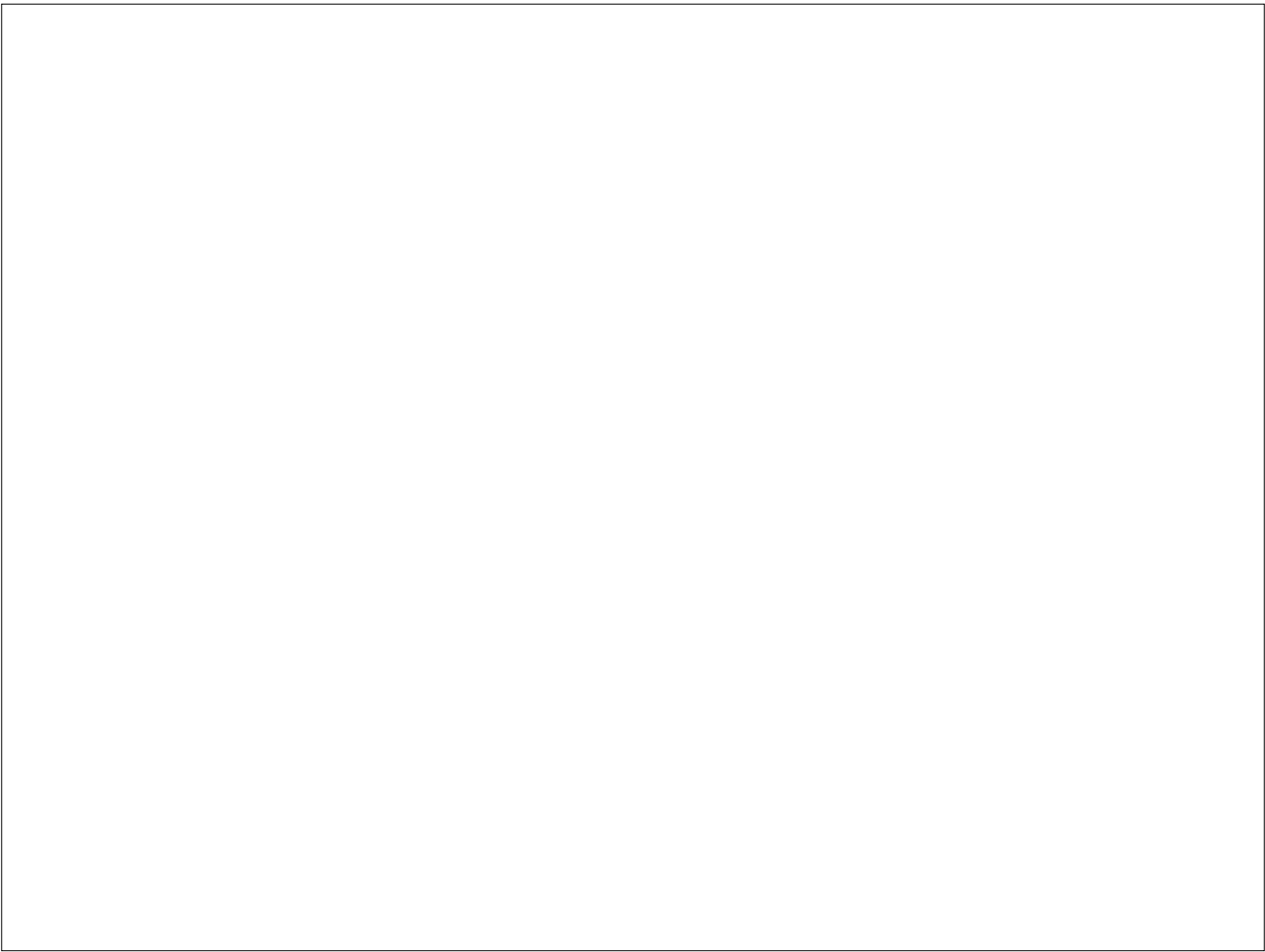


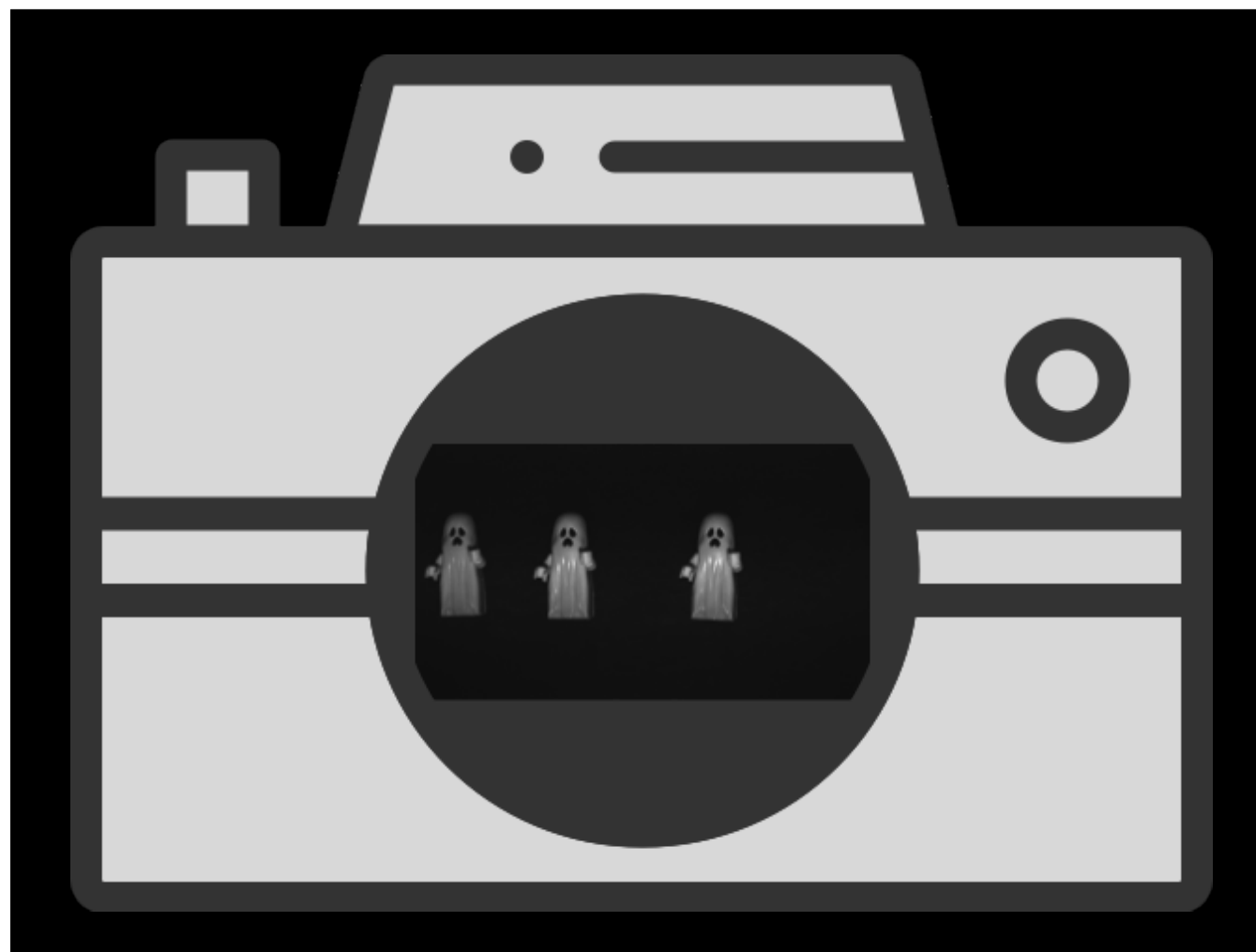


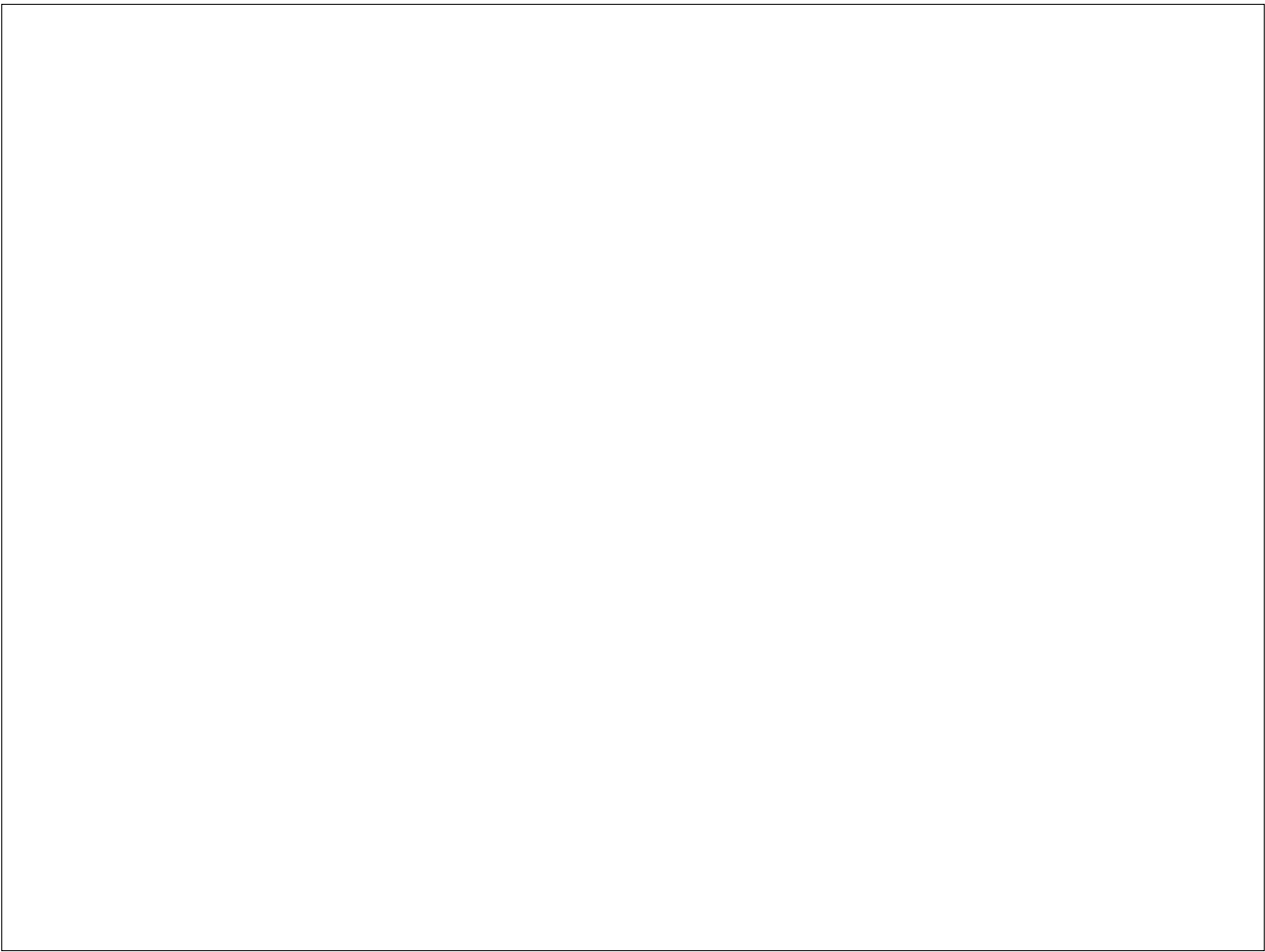


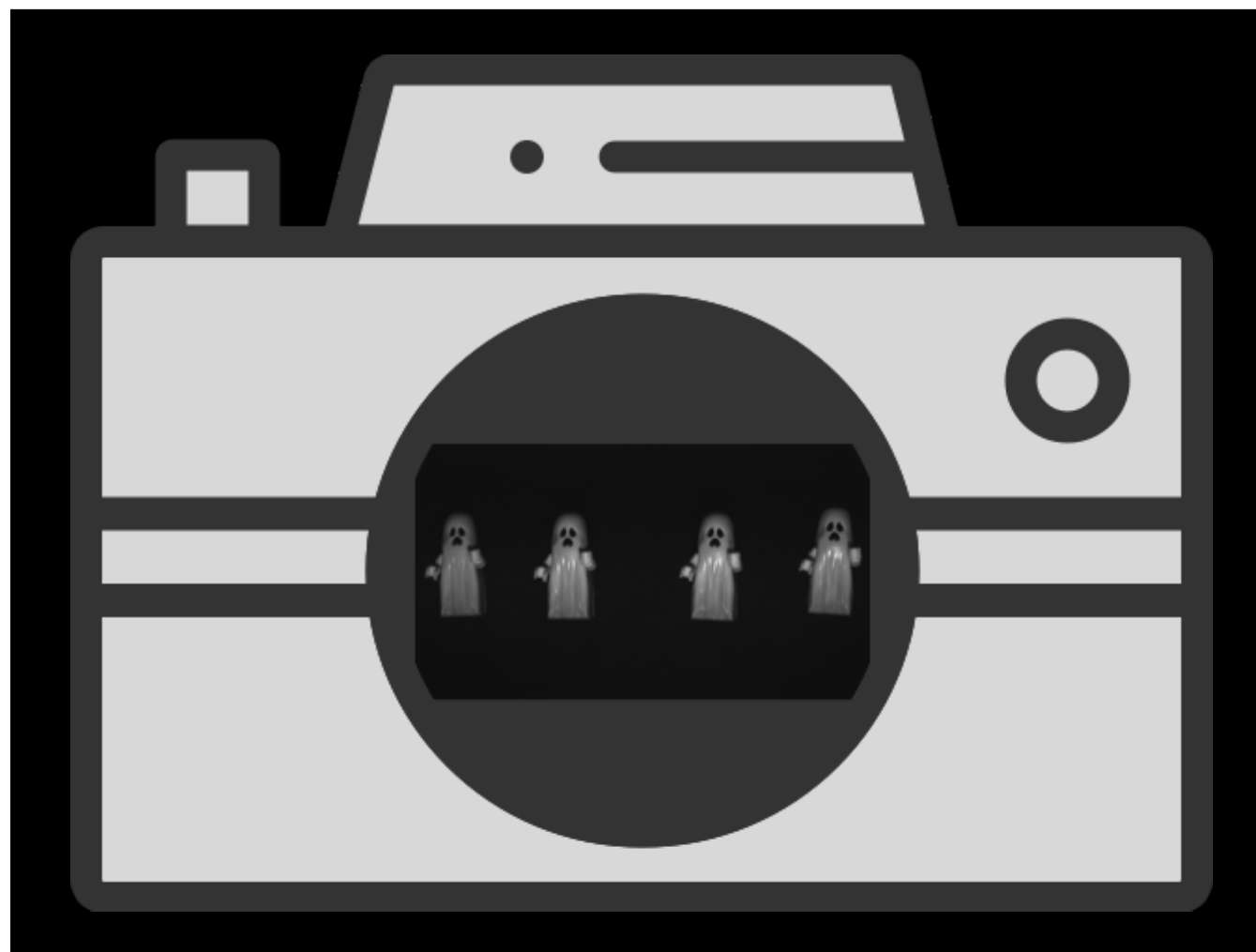


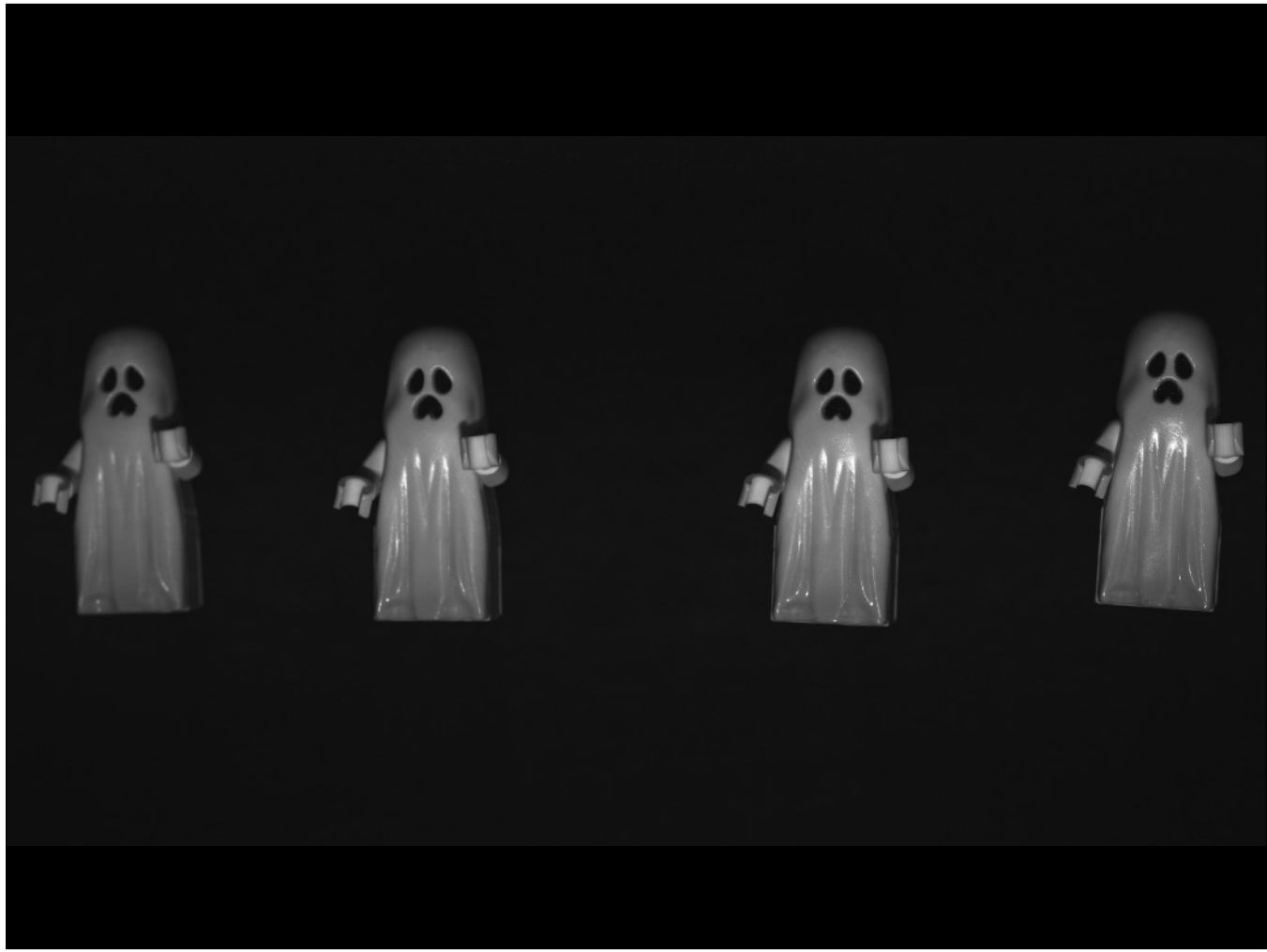














T-TAMÁS
TÓTH

Tamás Tóth @ flickr



Grete Howard @ 500px



Alan Hawes @ 500px



Photo: Howard Schultz © iStockphoto 2015

Howard Schultz @ flickr



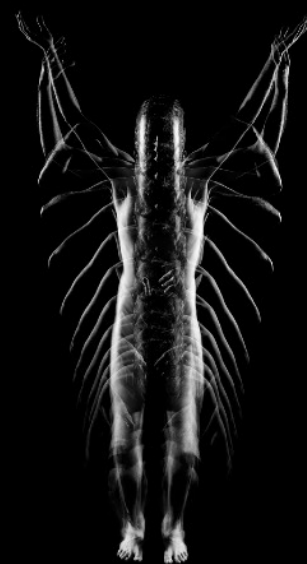
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Mário Moreno @ flickr



Volodymyr Melnyk @ 500px



500px

Katia Cino @ 500px



Silvia @ flickr



Jerrid Jones @ flickr



Theresa Kuhn @ flickr

**But you don't need a
strobo-capable flash**



Osman Levent

Light above and down

Camera on Bulb

Flash on rear curtain

Flash set of manually twice

Third fired when bulb released

Rear Curtain Sync

What is it?

- Shutter is made up of 2 curtains.
- The second one is known as the Rear Curtain.

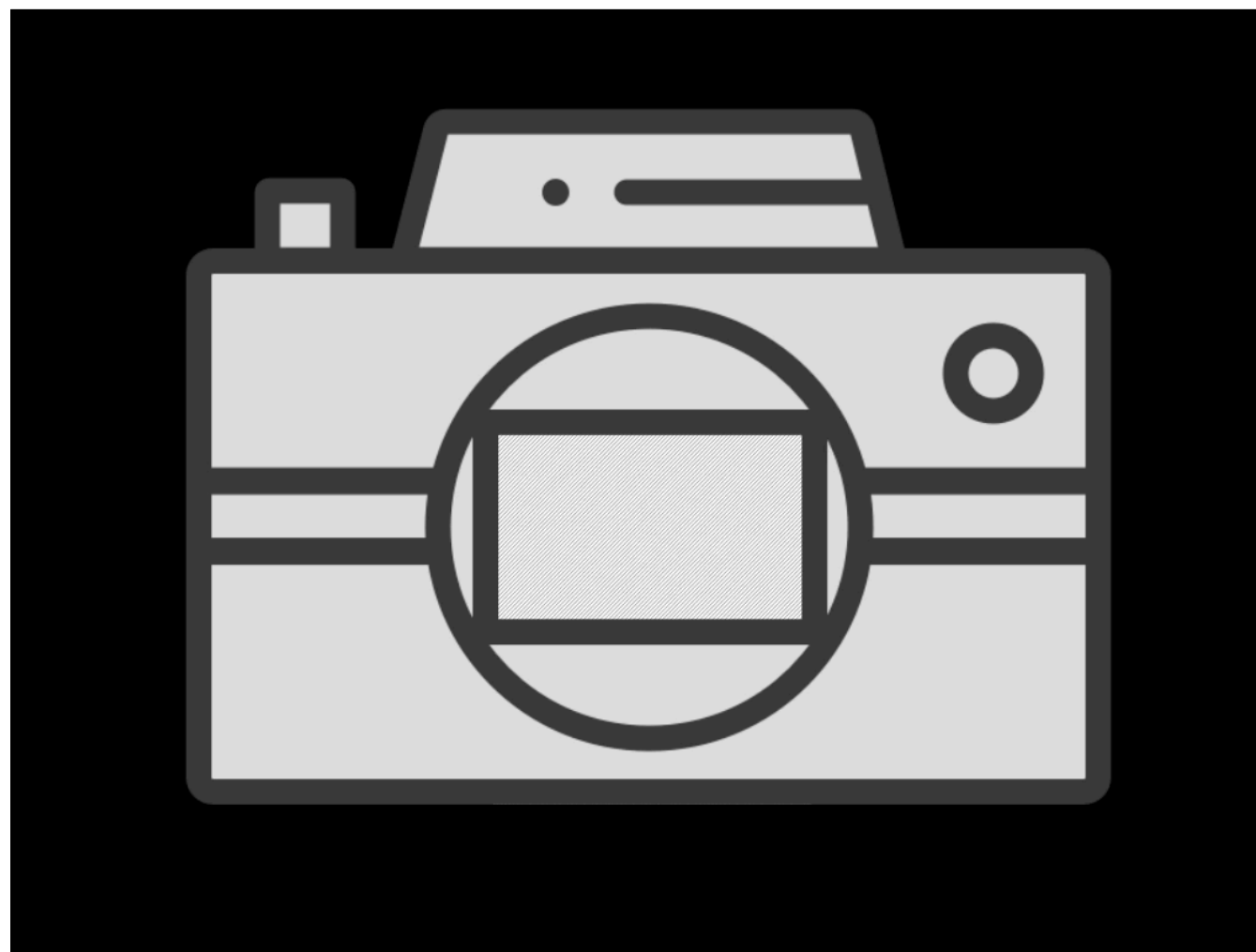
One curtain rises at the start of the exposure, the second follows according to the shutter speed.

How To

- Long exposure
- Ambient light
- Flash fires with the rear curtain to freeze the scene

The shutter opens and starts to record the ambient light.

Firing at the end, the flash freezes the motion of the subject and the scene upon which the flash's light falls.





David Dillon @ 500px



Lars Martin Teigen @ 500px



Jeff Scott @ 500px



MJ McNeill @ 500px

Let's do this!