

How to Make a Pinhole Lens for Your Digital Camera

If you can attach lenses to your digital camera, you can make your camera into a pinhole camera. Just poke a pinhole (with an actual pin, if you want) in a cap that attaches to your camera when you don't have a lens mounted:



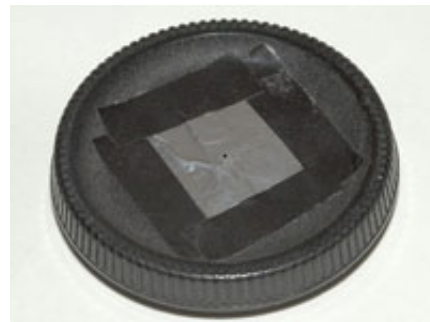
1 Find the exact center of the cap and cut an opening.

The opening you cut (like the one in this figure) is probably too big to serve as a pinhole.



2 If the hole is too big, cover it with a piece of metal, as shown in this figure.

You can use aluminum foil, a piece cut from a cookie sheet, or some other thin metal — the thinner the better.

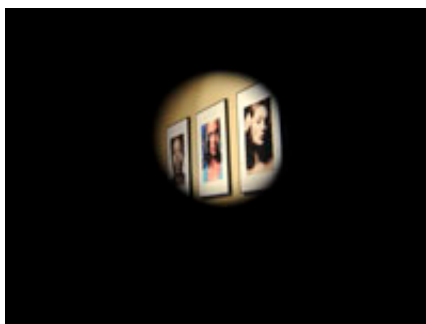


3 Poke a tiny hole in the metal.

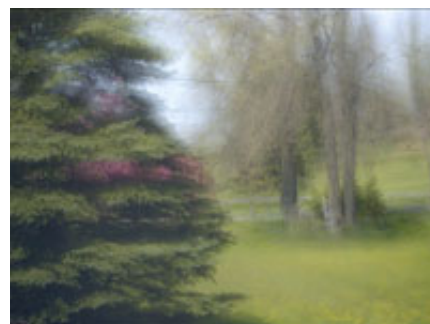
Make it as small as possible. This is called a "pinhole" lens for a reason.



4 Attach your new pinhole lens to your camera.



5 Look through the viewfinder to see a fuzzy, dim



6 Mount your camera on a tripod and shoot

camera.

Don't force something onto your camera that isn't supposed to fit. Use a cap that's supplied by your camera's manufacturer.

image.

This is what the world looks like through pinhole photography.

time exposures.

Your aperture is so small (it's a pinhole!) that your pictures need long exposures, even in bright daylight. This figure shows an image exposed for three seconds with a pinhole lens on a digital camera.