

RealitySoSubtle 6x6 Pinhole Camera

Features :

- 2 x 0.15mm precision pinholes, 20.5mm focal length. Effective Aperture = f/137
- 2 separate pinholes and independent shutters. One central and a 'rise' pinhole for fun perspective effects (15mm offset from centre).
- Magnetic shutters for both open and closed positions.
- Bubble levels leveling of camera (especially useful when using the rise pinhole).
- Accurate sight lines engraved into the top and sides for ease of framing
- Winding in both directions (nice for double exposures) - you can easily re-visit any frame and shoot over it.
- Construction is rigid PVC.

Notes on use:

- Opening/closing the shutter can cause camera shake - to avoid un-sharp photos (or hands/fingers in the shot) cover the shutter recess with the finger of one hand while opening/closing the shutter with the other. In effect the 'finger' in the recess becomes the shutter. (You should practice this and find a method that's works for you). For exposures longer than 10 seconds this is not necessary.
- The camera uses standard 120 film and is loaded as per the photo below. Simply spool the leader into the empty reel and slide both reels down into the camera while gently guiding the paper through the felt 'pressure plate'. Line up the lid 'winders' with the slots in the spools and push the lid on. Screw in the locking screws 'finger tight' and wind on the film to frame 1 as seen in the red window on the back of the camera. Winding of the film may seem a little stiff at first until the film seats itself correctly. Just wind on to frame number 1. There are 12 shots to a roll.



Exposure Guide: Meter @f/16

f/16	f/137
1/125	1 sec
1/60	1.5 sec
1/30	3 sec
1/15	5 sec
1/8	9 sec
1/4	18 sec
1/2	37 sec
1 sec	75 sec
2 secs	2.5 min
4 secs	5 min

- The sighting lines are very accurate and can be used to effectively frame your image. Use your eye to follow the lines and see what is at the edge of your frame.
- This is an ultra wide camera, so although the f number is 137, it's often best to overexpose by a stop or so – otherwise only the centre portion of the negative is exposed correctly (the edges of the film are much further from the pinhole than the centre). So in general it's a good idea to double the exposures given in the above chart. For exposures longer than 1 second it's normally required to allow for the reciprocity failure of your particular film. You can find this online usually. This will add time to your exposure depending on how long it is. The longer the exposure - the more time to add.
- To determine correct exposure I recommend a smart phone app called '**Pinhole Assist**' that will do all the metering/calculation work for you, including reciprocity.
- The camera's consists of 3 main parts, the lid, the body and the inner 'box'. You can get at the inner box and shutter by undoing the 2 screws on the bottom of the camera and lifting the inner box out. When re-assembling ensure to find the threads again gently with the screws before tightening up (i.e do not strip the threads).
- Please consider joining the flickr group (<https://www.flickr.com/groups/realitysosubtle/>) and adding the photos that you make with the camera. You can also find useful discussion there.