



Hi. I'm Rob. It's nice to meet you.

Thank you for supporting analog photography through *PinBox*. I hope you enjoy your build and begin making your own *PinBox* pinhole cameras very soon.

The build process takes about one hour to complete. Please watch the complete *PinBox* build video on *HammCamera.com*.

It's easy to customize your next *PinBox* build. Watch the *PinBox* design video on *www.HammCamera.com* and use the design files provided by email from Hamm Camera. Email Rob@HammCamera.com to receive your design files. Use the subject "Design File Request".

My first design suggestion for your *next build* is to change the aperture. Smaller apertures are great for very bright environments but have extremely long lowlight exposure times. Inversely, very wide apertures are great for night environments but have extremely short bright exposure times. Pick up a few apertures and try it out for yourself.

The next design customization is to change the focal length of *PinBox*. You will need to use the *PinBox* design files. Change the shape of PinBox. Print, cut, and assemble.

- How did your design turn out? Is it light tight? Is it functional?
- How does your image differ from one aperture to another?

In bright sun, like a sunny day at the beach, I point *PinBox* away from the sun and expose for about 15 seconds at f200. At sunset the time increases to about 90 seconds. Your experiences will vary. Please check *Hamm Camera* for more information.

Have fun with *PinBox*!

Robert Hamm
@TheBoxIsBack
#HammCam

Quick Reference Guide

Step 1: Review build video

- Watch the video at www.HammCamera.com

Step 2: Check Contents

- 1 *PinBox* Kit:
- 19 cardboard pieces
- 6 plastic pieces
- 1 pinhole
- Wraps (optional)

Step 3: Gather Adhesives

- Instant Bond glue
- Quick Bond Glue
- White School Glue
- Two-sided tape
- Spray adhesive for wraps (optional)

Troubleshooting:

- *Light Leaks:* Use the light on your phone to check for light leaks. Go into a dark place and hold the light close to the outside corners of *PinBox's* lid, bottom, and seams. If you see light shine through, fill it with black tape.
- *Winding Keys:* Put a small piece of tape on the shaft of the winding keys if they are too loose to fit the film spool. Reapply until snug. The keys are made small to fit multiple spool brands.