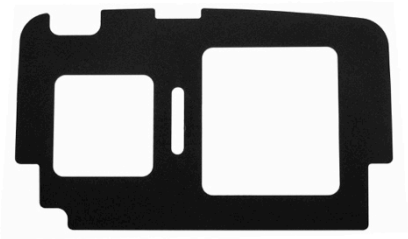
Camtraptions Camera Housing Manual

Parts List

Main Enclosure



Camera Base Plate

Lens Tube

Lens Cap

Hood Support

Hood

Clamp Ring

Window and Seal

Screws & Hex Keys

Assembly

Step 1

Unbox all of the equipment and remove the components from inside the main enclosure. Inside you will find:

- 1x Camera base plate
- Plastic zip lock containing 3x hex keys, 1x tripod screw for attaching your camera to the base plate, 1x silver screw for tightening the hood support, 4x small black screws for attaching the hood to the hood support
- 1x White envelope containing the glass protective filter and a stick-on foam seal
- 1x Hood
- 1x Hood support
- 1x Clamp ring to tighten the hood support around the lens tube.
- 1x Lens cap

Packaged separately you will find your metal lens tube(s).

Step 2

Open the white filter envelope and remove the glass from the tissue paper. Remove the backing to the sticky foam seal and carefully apply the foam seal to the glass filter, ensuring that it sits evenly and exactly around the edge of the glass. The position of the seal can be adjusted for a short time whilst being applied if you do not push it down firmly. Once you are happy with the position, push on the foam seal firmly around its length to secure it.

Step 3

Insert the glass filter into the circular receptacle of the hood support, with the glass sitting directly on the hood support and the foam seal facing upwards. The foam will sit against the metal surface of the lens tube.

Step 4

Place the clamp ring around the non-threaded end of your lens tube.

Step 5

Insert the long silver screw into the bottom of the hood support.

Step 6

Align the open part of the clamp ring with the open part of the hood support and insert the lens tube and clamp ring into the hood support. Push the lens tube firmly against the foam seal so that the glass window is sandwiched securely against the hood support. Use the medium hex key on the silver screw to tighten the hood support so that it grips the lens tube.

Step 7

Insert the threaded end of the lens tube into the enclosure opening. Be careful to check that the thread is lined up correctly before tightening the lens tube. Turn the lens tube clockwise to screw it in to the enclosure. You should tightened the lens tube so that it grips the enclosure firmly but do not apply so much force that the plastic thread on the enclosure is damaged.

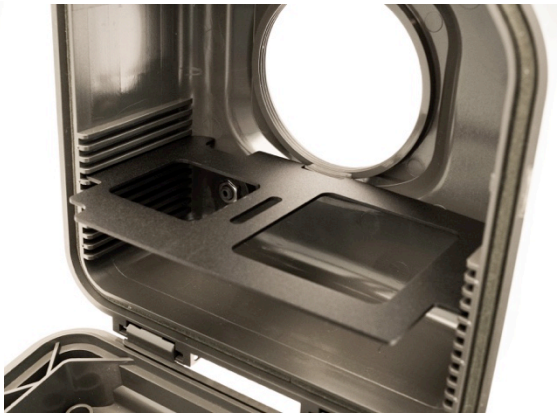
Step 8

The orientation of the hood support can be adjusted by loosening the silver screw underneath, twisting the hood support and then tightening the screw again.

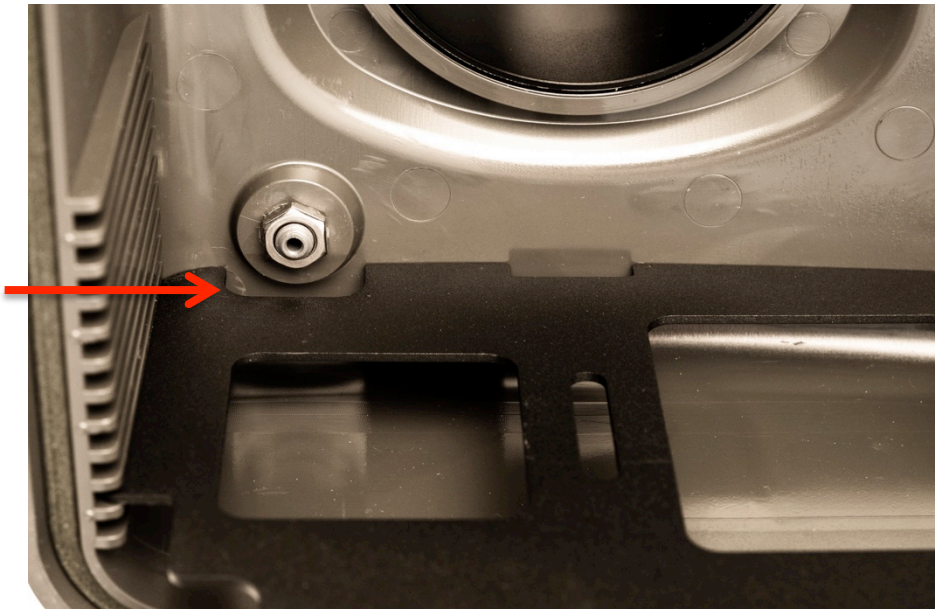
Use the lens cap to protect the glass window during transportation.

Step 9

Slide the camera base plate into the enclosure. You can set the height of the camera using the steps on the inside of the enclosure. The height should be adjusted so that the centre of the lens lines up with the centre of the lens tube.



Ensure the camera base plate is orientated so that the cut-out is on the same side as the valve



Step 10

Secure the camera to the base plate using the tripod screw and the largest hex key. Position your camera on the base plate so that the front of the lens is as far forwards as possible (i.e. almost touching the glass window).

Step 11

Attach the hood to the hood support using the 4x black screws and smallest hex key. The hood may have a protective film on the outside surface which can be peeled off.

Step 12

The height and angle of the hood should be adjusted based on the field of view of the lens. The hood should be lowered as far as possible in order to provide maximum protection, but not so far that it appears in the camera's field of view. Tighten the black screws to lock the hood in place.

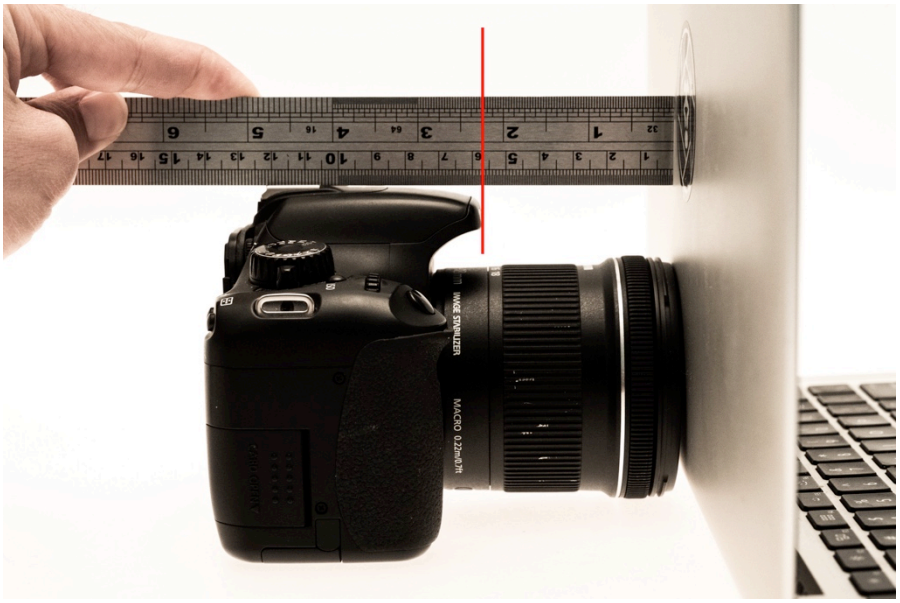
Step 13

Check that the foam seal between around the enclosure opening is free of grit and debris. Close the back door of the housing and secure it shut using the two latches. The latches can be locked shut using a padlock or cable ties if desired.

Lens Tubes

Lens tubes are available in 25mm increments from www.camtraptions.com and fit any lens with a diameter of 88.8mm or less.

To find the correct lens tube length, measure the distance from the front of your lens to the furthest forward part of the camera (usually the front of the wireless transmitter fitted to the camera's hot shoe).



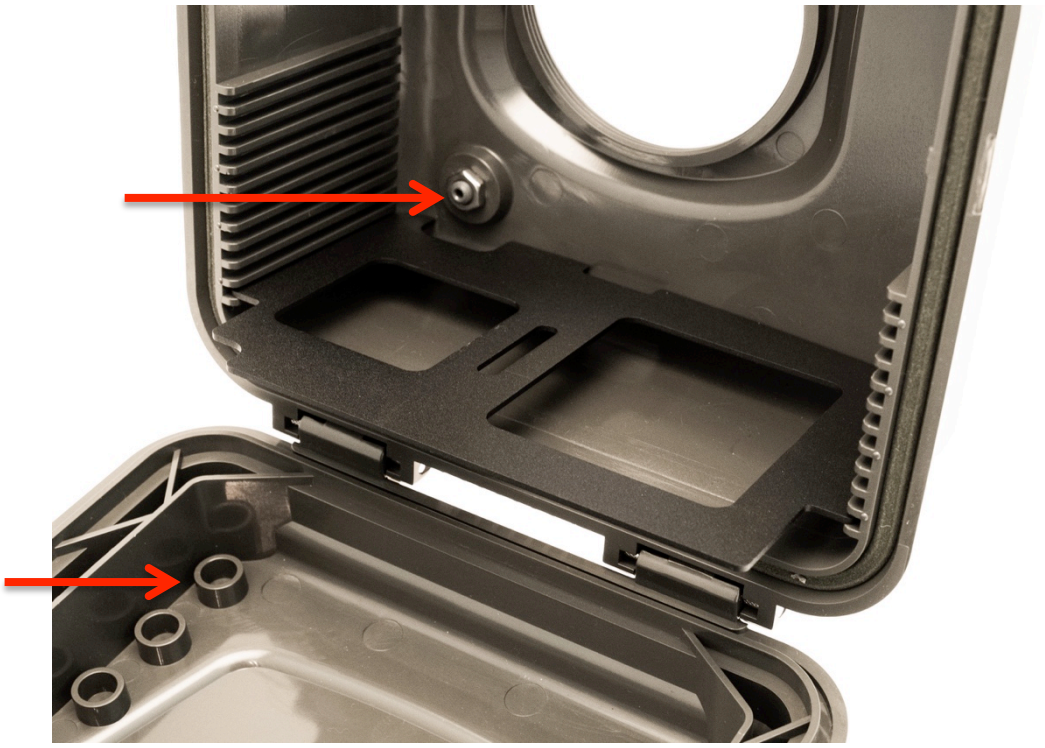
Pick a lens tube based on your measurement:

- 25mm tube for lengths less than 50mm
- 50mm tube for lengths of 50mm to 75mm
- 75mm tube for lengths of 75mm to 100mm
- 100mm tube for lengths of 100mm to 125mm

Wired Set-ups

To ensure maximum weather-sealing, the enclosure does not come with holes for wired set-ups. However, three guides in the back door identify positions were holes may be drilled for cables. Once cables have been run through the holes, it is recommended that something like bathroom silicon sealant is used to plug any gaps.

Another option is to remove the valve in the front of the housing and use the hole for cables instead.



Portrait Orientation

The camera housing has tripod threads on the bottom and side, allowing it to be mounted in landscape or portrait orientation. The hood support can be twisted so that the hood provides shade in either orientation.

Weather Proofing

Note that this product is not intended for use underwater.

To ensure optimum weather sealing, make sure all seals are clean and free from debris. Seals are located between the glass window and metal lens tube, between the metal lens tube and enclosure (the black o-ring around the base of the lens tube) and around the enclosure door.

If working in humid environments, you may want to use a sachet of silica gel desiccant to absorb any moisture trapped inside the enclosure.

The valve in the front of the housing is intended to equalise air pressure inside the housing during changes in altitude or temperature.