Step by Step instructions

by ***NAVSEA***

JSSAP\_PASSIVE \_RANGING

Welcome !

***Instructions***

Chapter 1

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# PARTS

|  |  |
| --- | --- |
| Parts | QTY. |
| Motor mount assembly | 1 |
| Control Box | 1 |
| Focus Lens assembly Focus??? | 1 |
| Zoom Lens assembly Zoom??? | 1 |
| Camera | 1 |
| Blue USB cable xTYPExxxxx??? | 1 |
| Black USB cable xTYPExxxxxx??? | 1 |
| Gray USB cable xTYPExxxxxxx??? | 1 |
| Control box Power cable | 1 |
| 7/32 Hex bit | 1 |
| Screw to 7/32 hex | 1 |
| 5/32 Hex bit | 1 |
| Screw to 5/32 hex | 2 |
| USB hub | 1 |
| Mounting Tripod | 1 |
| Strap???? | 1 |
| Control motors ??? | 2 |
| Pelican Case ??? | 1 |
| Tripod Bag ??? | 1 |

# Parts Assembly

1. **Open** pelican case and remove top layer protective foam.
2. Take **lens assembly** which it’s compose of zoom lens, focus lens and camera. Place it on **top of motor mount** assembly. Camera will correspond with the direction of control box.
3. Locate screw corresponding to **7/32 hex** bit and **screw-in** **lens assembly** to **motor mount** assembly. The screw hole is located **under motor mount assembly,** secure tightly.
4. Locate **strap** on top of motor mount and **wrap** over lens. Once over the lens, take the strap and pass trough side bracket. While firmly pulling on the strap **secure** by tighten the **screws**  on bracket with 5/32 hex bit.
5. Once everything its in place, **Zero the lens** assembly system. In the center of lens assembly locate the two gears attached to the lenses. If **standing in front** of lens assembly as an object, place hands on **gears** and softly **turn** them **clockwise** all the way until both gears won’t move any further.
6. Ensure **small gears** attached to the two motors are **align** with the **bigger gears** attache to the lenses.
7. With the help of someone, take the **lens assembly** system and **place** it **on** mount. Example a **tripod**.
8. Well done! you have completed the part assembly portion.



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1. Locate **Blue USB** cord and connect to camera, ensure cable is tightly **screw** in **to camera**.
2. Locate **Black USB** “mini” and connect to the control box.
3. Locate **power cable** and connect **to control** **box** and **plug in** to wall outlet. Once power is apply and Led will blink “blue and green”
4. V1 Next is to **connect the trigger**. Locate **gray usb** cable with gray box. Connect the corresponding end of cable to the camera. **Pull** the mechanism at the end on the cable, **insert** and **release** **in to camera** jack.
5. V2 Locate gray USB cable and connect from camera to control box
6. Locate **blue USB** cable from camera and connect **to the computer.**
7. Locate **black USB** cable from control box and connect **to** **the computer.**
8. Locate **Gray USB** cable from camera and connect **to the computer.**
9. **If desire** connect all USB’s to USB hub and connect USB hub to the computer.
10. Well done! you have completed the wire connection assembly portion.

# Wire Connection Assembly



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# Wire Connection Assembly

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# Computer Set up

# Systems operation

# Systems operation

# Systems operation