| Components | Price | Description/Name | Link |
| --- | --- | --- | --- |
| Motion Sensor | $24.99 | Lorex add-on motion sensor. Passive infrared motion sensor to add simple video-free security. | [Lorex](https://www.lorex.com/products/add-on-motion-sensor?srsltid=AfmBOoo-OKad5YAfvzVDExO8mAUrtBemNzOs9f9I1pvmkXUELTtxqXbQ) |
| Motion Sensor Camera | $22.99 | 2k Pan/Tilt Security Camera. Has night vision and AI Motion Detection | [Amazon](https://www.amazon.com/Security-Camera-Indoor-Detection-Storage/dp/B0C9T6NRJC/ref=sr_1_3?dib=eyJ2IjoiMSJ9.Dov6dXEWMxU1SmjCwjJpep_Wi2JzYXCuqueVhYSD7MQhx4pRUhiwmbdxC0vGaIDkFGk-1QZ3NIAJV_1q3gLbnyZo1-qghP-nBUs0b60kH7bSMcaEKC4rGYxHMHosIJDI1lK-FQ3pusBPIi1cMjPaKljDgUrKGNqvBXdvcoCEFfz7o61BI_A6KLQo10IKMqxWoT9OICNEsYJRLF80Q8fU7UmVYK4PzXRSc9RIobUn6o4.wDXZ8BJoQcfnFSDHc_vvDtjdgO6PpX_rzBqfS0H4ds0&dib_tag=se&keywords=motion+sensor+camera&qid=1727559461&sr=8-3) |
| Motion Sensor Camera | $17.99 | Compact indoor plug-in camera with night vision and motion detection | [Amazon](https://www.amazon.com/Blink-Mini-Black-1Cam/dp/B09N6V1FHG/ref=sr_1_4?dib=eyJ2IjoiMSJ9.Dov6dXEWMxU1SmjCwjJpep_Wi2JzYXCuqueVhYSD7MQhx4pRUhiwmbdxC0vGaIDkFGk-1QZ3NIAJV_1q3gLbnyZo1-qghP-nBUs0b60kH7bSMcaEKC4rGYxHMHosIJDI1lK-FQ3pusBPIi1cMjPaKljDgUrKGNqvBXdvcoCEFfz7o61BI_A6KLQo10IKMqxWoT9OICNEsYJRLF80Q8fU7UmVYK4PzXRSc9RIobUn6o4.wDXZ8BJoQcfnFSDHc_vvDtjdgO6PpX_rzBqfS0H4ds0&dib_tag=se&keywords=motion+sensor+camera&qid=1727559461&sr=8-4) |
| Connectors |  | Need additional female-to-female connectors/wires |  |
|  |  |  |  |
| SoC with radio transmitter |  | More research needs to be done |  |

Notes:

* SoC with radio transmitter
* Research on Components:
  + [PiR Motion Sensor](https://learn.adafruit.com/pir-passive-infrared-proximity-motion-sensor/overview) ()
  + [JemRF Motion Sensor](https://www.jemrf.com/products/wireless-motion-sensor-kit?srsltid=AfmBOoorvnu5gqBAk6bnSnWZ5PKlOKc0kE3_P5fUlOXlup41v_00ffox) ($24.95)
  + [M.2 SSD](https://www.atpinc.com/blog/what-is-m.2-M-B-BM-key-socket-3)
  + [Raspberry Pi Computer Module CM4 IO Board](https://www.pishop.us/product/raspberry-pi-compute-module-cm4io-board/?src=raspberrypi) ($35.00)
  + Raspberry Pi 5 w/ 4GB RAM ([CanaKit](https://www.canakit.com/raspberry-pi-5-4gb.html), $60.00)
  + Raspberry Pi AI Kit ([Vilros](https://vilros.com/products/raspberry-pi-ai-kit?src=raspberrypi), $70.00)
  + [Nano Pi w/ Hat](https://cgomesu.com/blog/Nanopi-m4-mini-nas/)
* “Coral and CM4 are a no go, Coral seems to work on the Pi 5 ([GitHub discussion](https://github.com/google-coral/edgetpu/issues/280#issuecomment-1140347354))
* Notes below from quick hardware meeting:
  + Note: need female-to-female connectors
  + Possibly get Raspberry Pi 5 at Gigaparts (4gb ram)
  + Possibly get compute kit with Hailo
  + Need motion sensor