**Ewine Technique**

**Component List:**

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| --- | --- | --- | --- | --- | --- | --- |
| Nom | Reference | Prix Unitaire | Fonction | Nombre | Datasheet | Site d’achat |
| Micro Controller | STM32 WB55RG | 35.36€ | Gérer le système | 1 | <https://media.digikey.com/pdf/Data%20Sheets/ST%20Microelectronics%20PDFS/P-NUCLEO-WB55_Rev.1_DB.pdf> | Not needed |
| WI-FI Module | ESP32 | 4.60€ | Gérer le signal WI-FI | 1 | <https://www.espressif.com/sites/default/files/documentation/esp32_datasheet_en.pdf> | Not needed |
| ToF Shield | X-NUCLEO-53L3A2 | 35.52€ | Gérer les capteurs Tof | 1 | <https://www.st.com/resource/en/data_brief/x-nucleo-53l3a2.pdf> | Not needed |
| ToF Sensors | VL53L3CX | 5.10€ | Position et couleur des bouteilles | 3..\* | <https://www.st.com/resource/en/datasheet/vl53l3cx.pdf> | Not needed |
| IR Sensors | MLX90614  ESF-AAA-000-TU | 23.43€ | Température de la cave et de chaque bouteilles | 3..\* | <https://datasheet.octopart.com/MLX90614ESF-BAA-000-TU-Melexis-datasheet-12517428.pdf> | <https://www.micro-semiconductor.com/products/Melexis/MLX90614ESF-AAA-000-TU> |
| Pressure Button | PBS-18B | 0.73€ | Fermeture de la porte | 3 ou 5 | <https://taggsm.ru/pdf/catalog/704987.pdf> | Not needed |
| Batterie | CR2032 | 0.68€ | Utilisation en cas de coupure de courant | 1 | <https://asset.conrad.com/media10/add/160267/c1/-/en/001590064DS01/fiche-technique-1590064-varta-lithium-coin-cr2032-bli-5-pile-bouton-cr-2032-lithium-220-mah-3-v-5-pcs.pdf> | <https://www.conrad.fr/fr/p/pile-bouton-cr-2032-lithium-camelion-220-mah-3-v-5-pc-s-1557899.html> |
| Adaptateur  Alimentation | Zolt 12W | 15.89€ | Alimentation générale | 1 | none | Not needed |