|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Epoch | Batch size | Learning rate | Accuracy (max 100%) | | | |
| Arduino | Esp 8266 | Esp32 cam | Wifi exp with stm |
| 50 | 16 | 0.001 | 100  Fast | 50-60  Not consistent (alternate w Arduino, quite accurate when blank background) |  | 100 |
| 100 | 16 | 0.001 | 100 Fast | 50-60  Not consistent (alternate w Arduino, late to recognize) |  | 100  A bit late to recognize |
| 200 | 16 | 0.001 | 100  Fast | 70-80  Not consistent (alternate w Arduino, late to recognize) |  | 90 |
| 50 | 32 | 0.001 | 100  Fast | 0  (Only detect as Arduino) |  | >90  A bit late to recognize |
| 50 | 64 | 0.001 | 100  Fast | 10  (Mostly detect as Arduino) |  | 100  Fast |
| 50 | 128 | 0.001 | 100  Fast | 10  (Mostly detect as Arduino) |  | 100  Fast |
| 50 | 16 | 0.002 | 100  Fast | 0  (Only detect as Arduino) |  | 100  Fast |
| 50 | 16 | 0.003 | 100  Fast | 10  Not consistent (alternate w Arduino, accurate when blank background) |  | 100  Fast |
| 50 | 16 | 0.004 | 100  Fast | 50-60  Not consistent (alternate w Arduino) |  | 100  Fast |
| 200 | 128 | 0.004 | 100  Fast | 0  (Only detect as Arduino) |  | 100 Fast |

\*Esp 8266 have higher tendency to be detected if placed vertically.