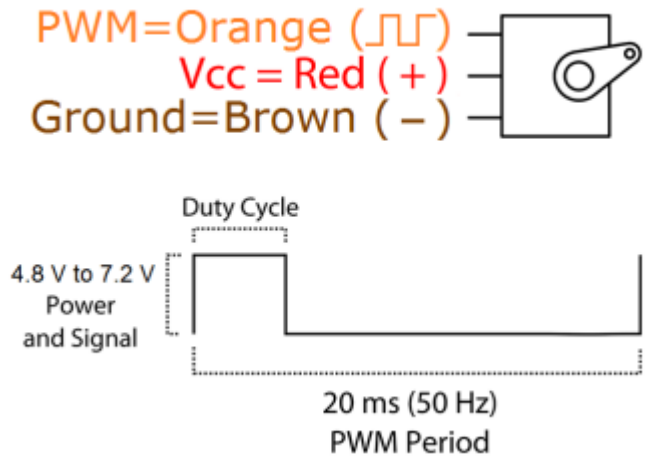
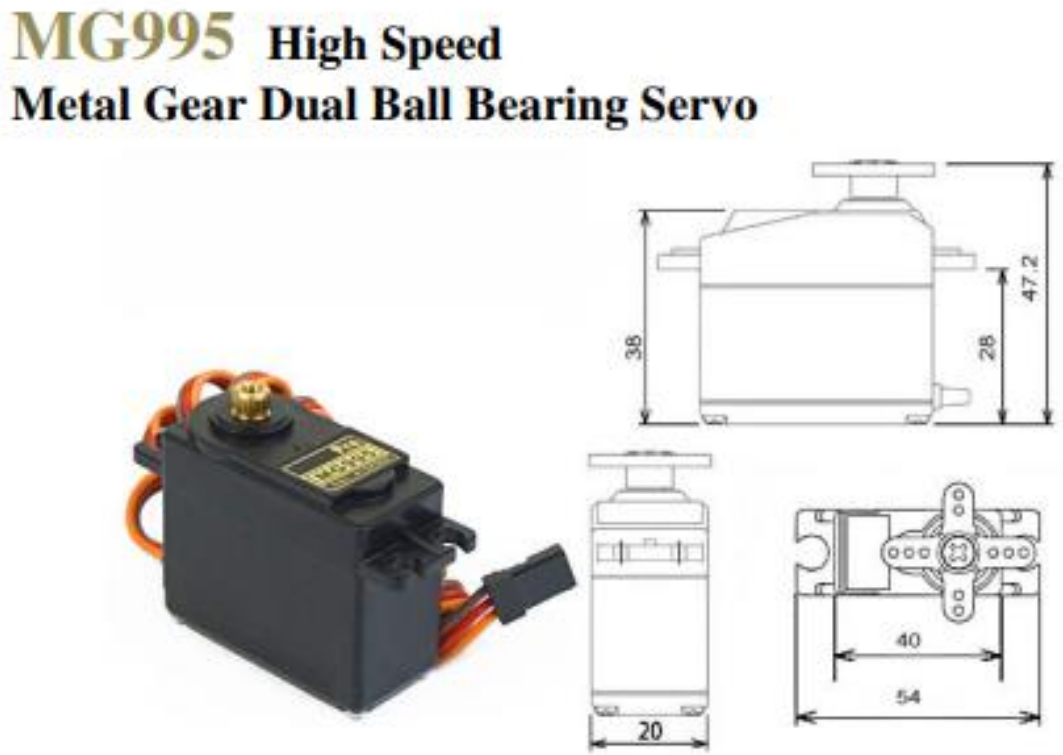
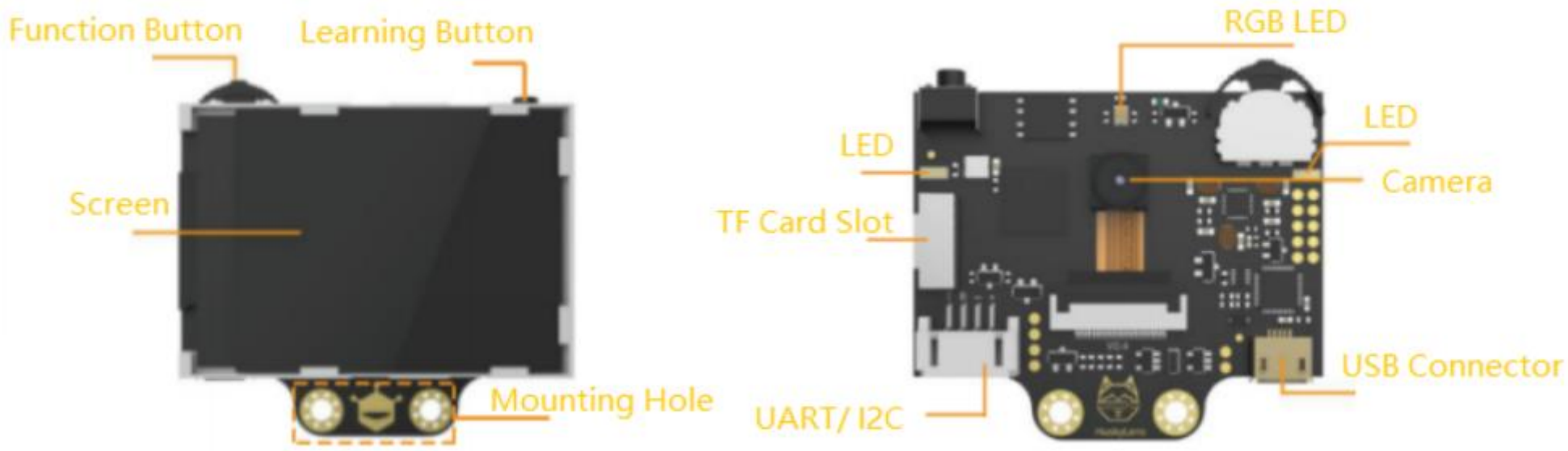
Servo

- Rotation range: 120 degree (60 in each direction)
- Weight: 55g
- Dimension: 40.7 * 19.7 * 42.9mm
- Stall torque: 8.5 Kgf·cm(4.8V), 10 Kgf·cm(6V)
- Operating speed: 0.2 s/60°(4.8V), 0.16 s/60°(6V)
- Operating voltage: 4.8 ~ 7.2V
- Temperature range: 0℃ ~ 55 ℃





HuskyLens



- HuskyLens only learned one plane (one-dimensional) of the face, So it’s necessary to let HuskyLens learn a face from different angles.

- Download HUSKYLENS Uploader software.

https://img.dfrobot.com.cn/wiki/5a93d3cc01cd38236f596279/95a46f8f363fe8a9ddc6727301e07337.zip

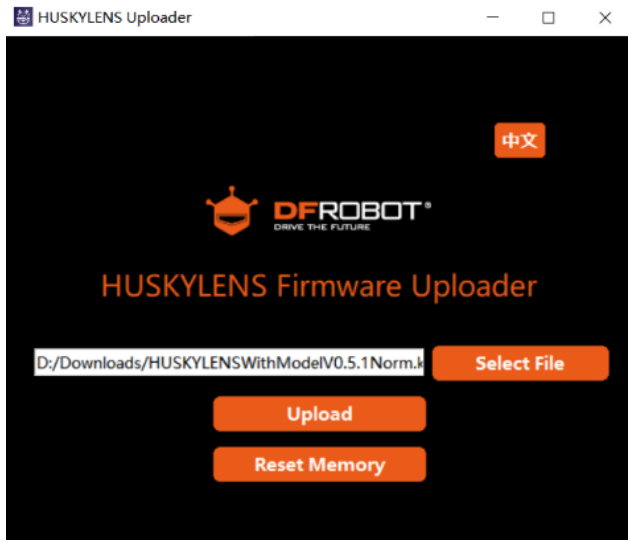
- Download and install driver.

https://cn.silabs.com/developers/usb-to-uart-bridge-vcp-drivers

- Download firmware v0.5.1a.

https://img.dfrobot.com.cn/wiki/5a93d3cc01cd38236f596279/ecd6cfe3c9ad2388c1867a141d547045.zip

- Run HUSKYLENS Uploader V2.1, click “Select File” button to upload the firmware.



Set HuskyLens

- Click function button, turn the button right to select <General Setting>, <Protocol Type>, <I2C>.
- Then save & return the data
- Select <Face Recognition>
- **Keep pressing** the “learning button”, point "+" symbol at different angles of the face. During this process, a yellow frame with words "Face: ID1" will be displayed on the screen. Please point the yellow frame at different angles of the same person's face to enter all angles of this person's face. Then you can release the "learning button" to finish the learning.
- Click learning button to forget

Set Arduino

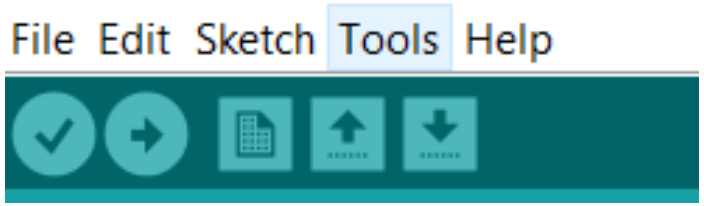
- Download Arduino IDE

https://www.arduino.cc/en/software

- Download library from github

https://github.com/DFRobot/DFRobot_MAX

- Set <Tool>--<“board:Arduino Uno”> and <Port>--<find your port number in device manager>



Coordinate

HUSKYLENS Arduino API

- https://github.com/HuskyLens/HUSKYLENSArduino