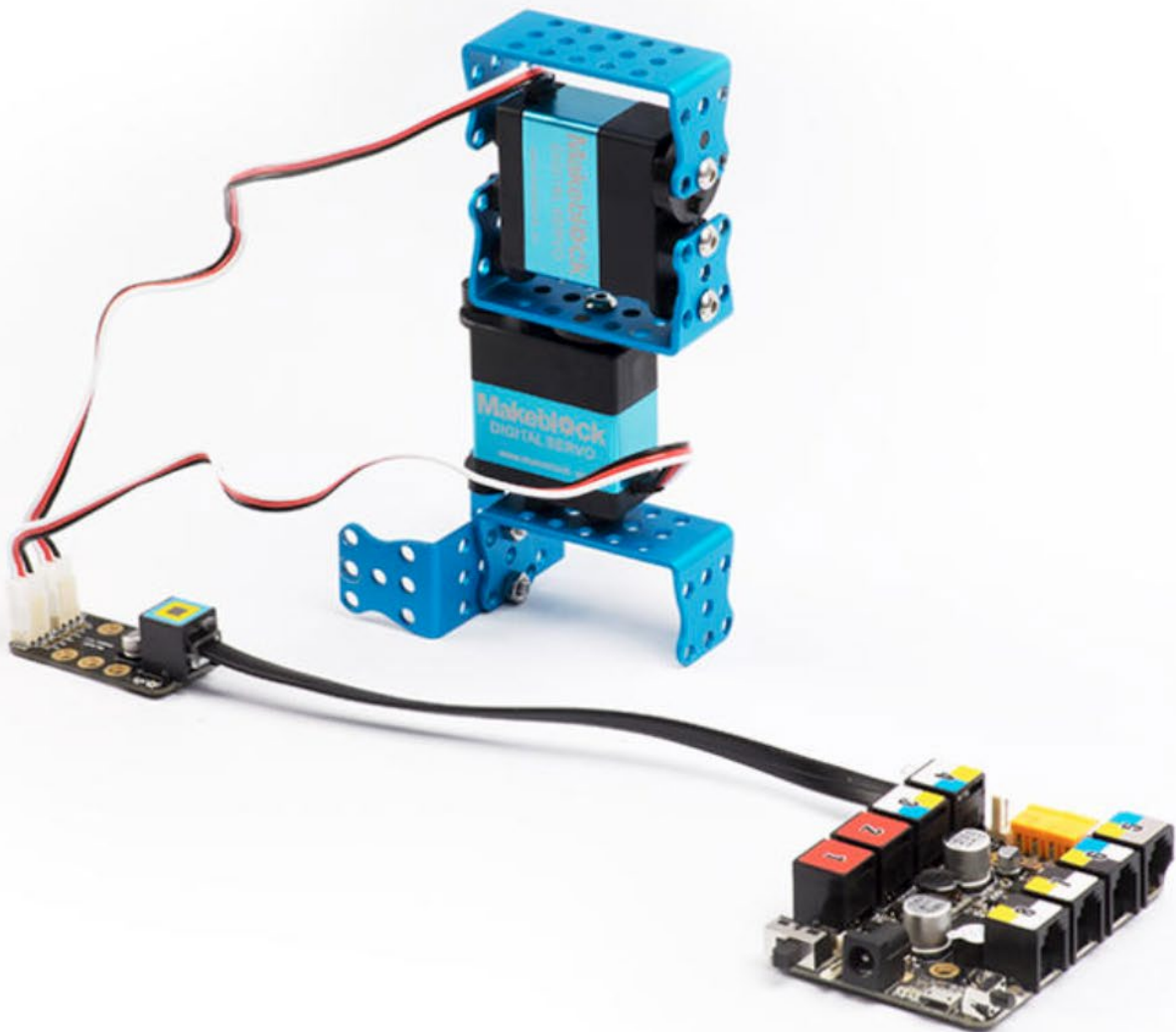


# Two-Axis Pan/Tilt Servo Platform

📅 a year ago

Servo



1 2 3 4

Two-Axis Pan Tilt Servo Platform For Camera/Sensors is a servo based 2 axis pan and tilt mechanism for mounting wireless/ wired camera and sensors on robot assembly. Panning , rolling and tilting is achieved by controlling Servo motors using PWM pulses. Suitable for DIY panning and tilting application in projects.



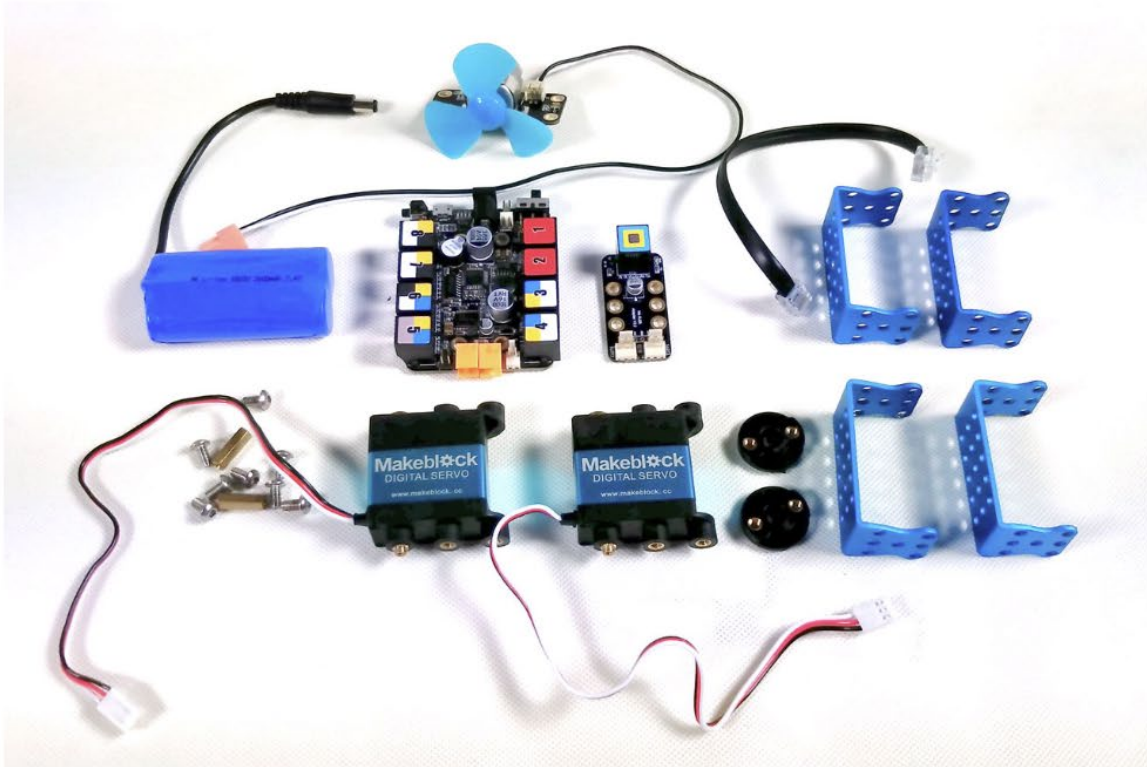
## Part list

[Purchase Makeblock parts](#)

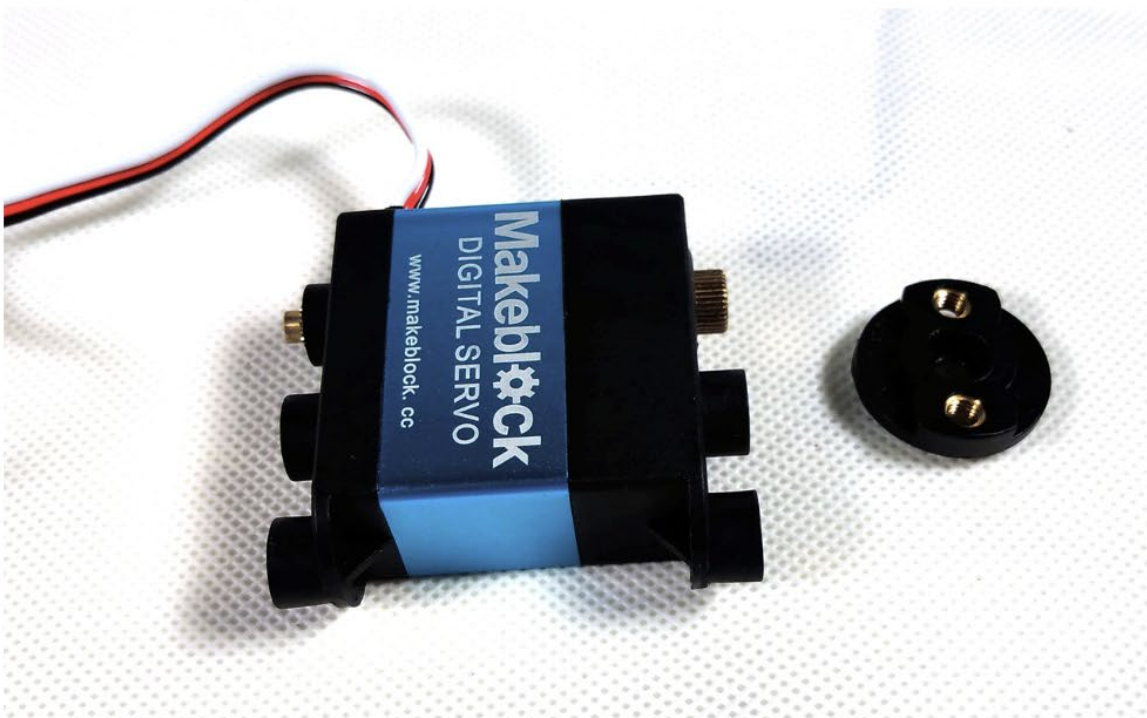
- 2 x [Servo Pack](#)
- 1 x [130 DC Motor](#)
- 1 x [Me Orion](#)
- 1 x [Me RJ25 Adapter](#)

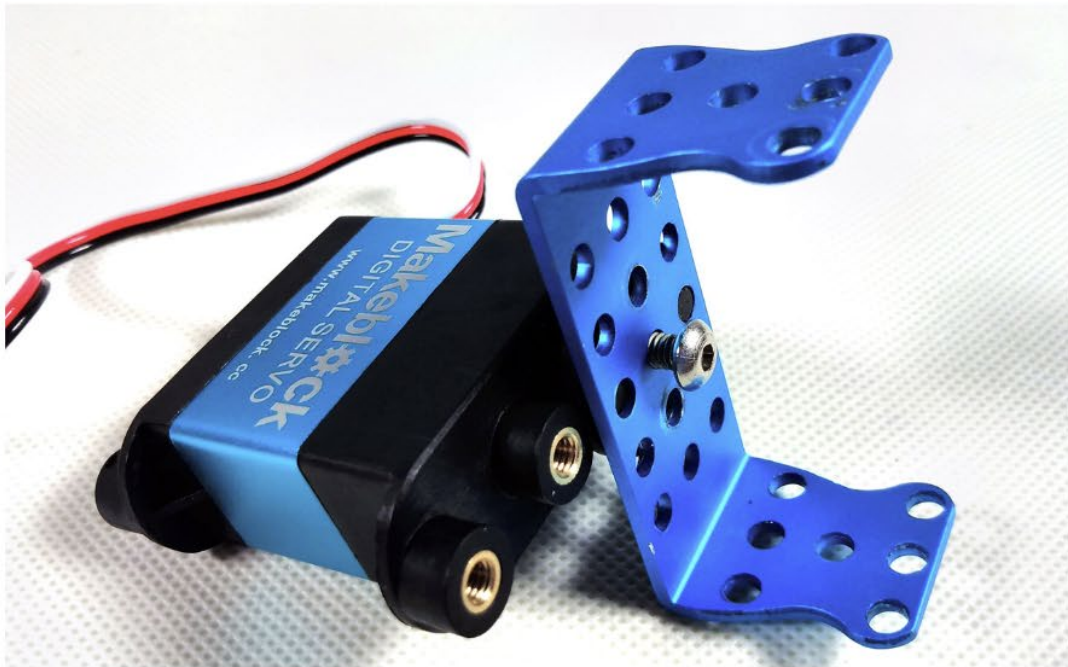


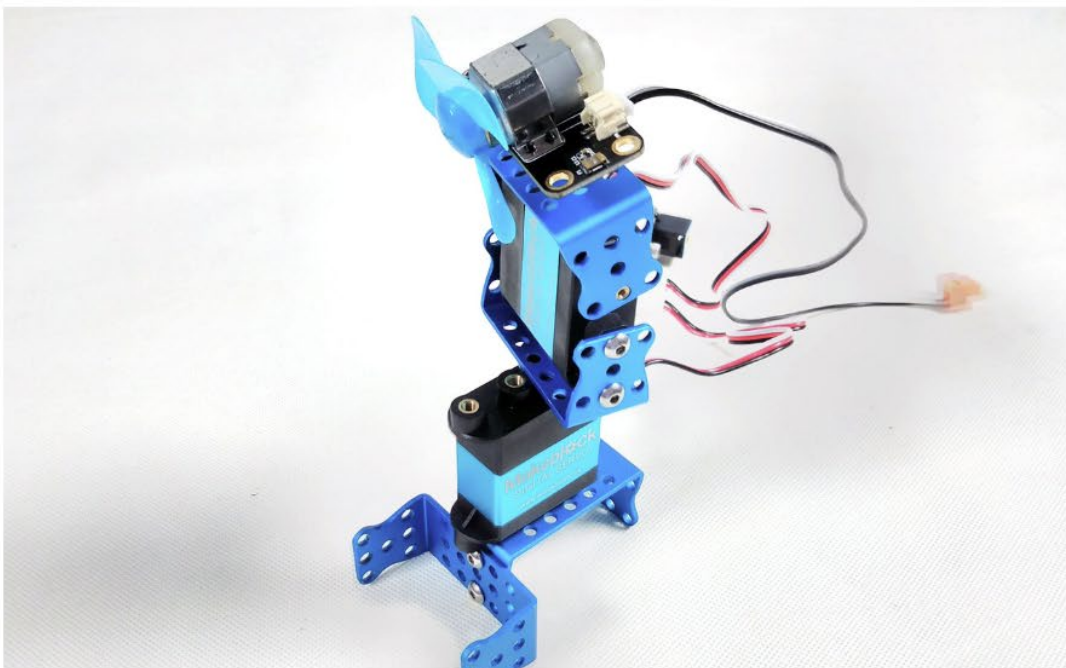
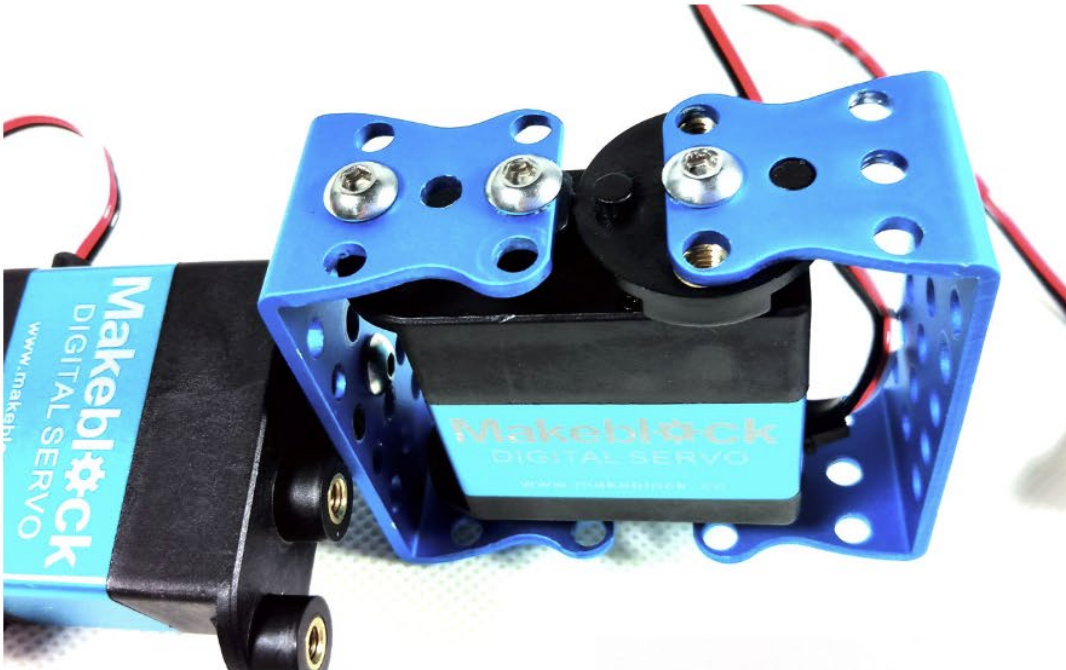
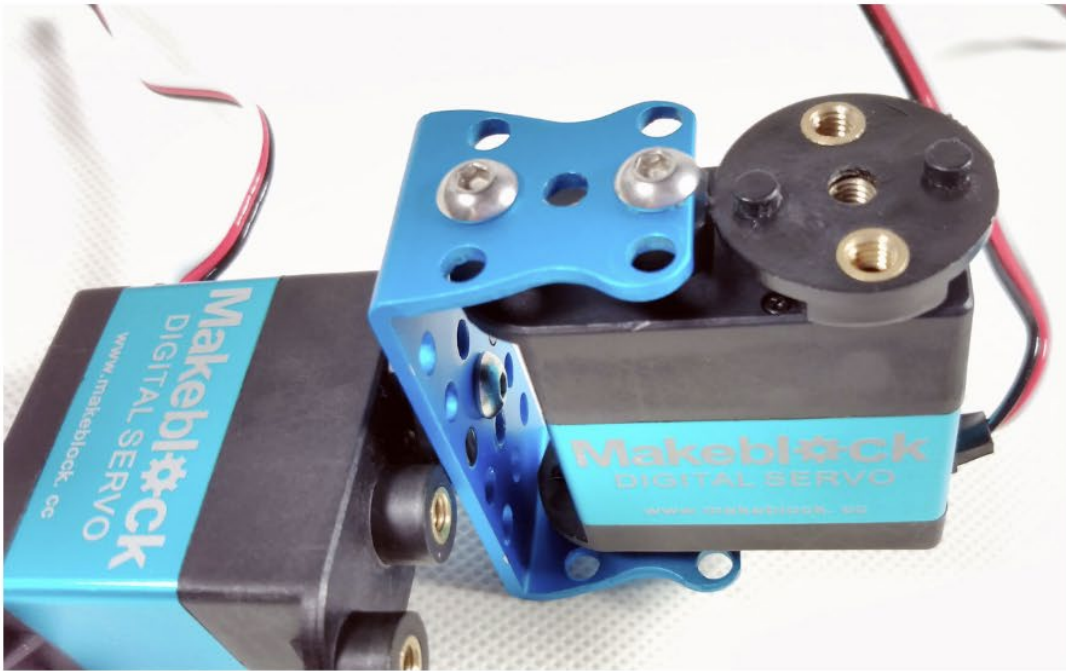
## Constructing Steps



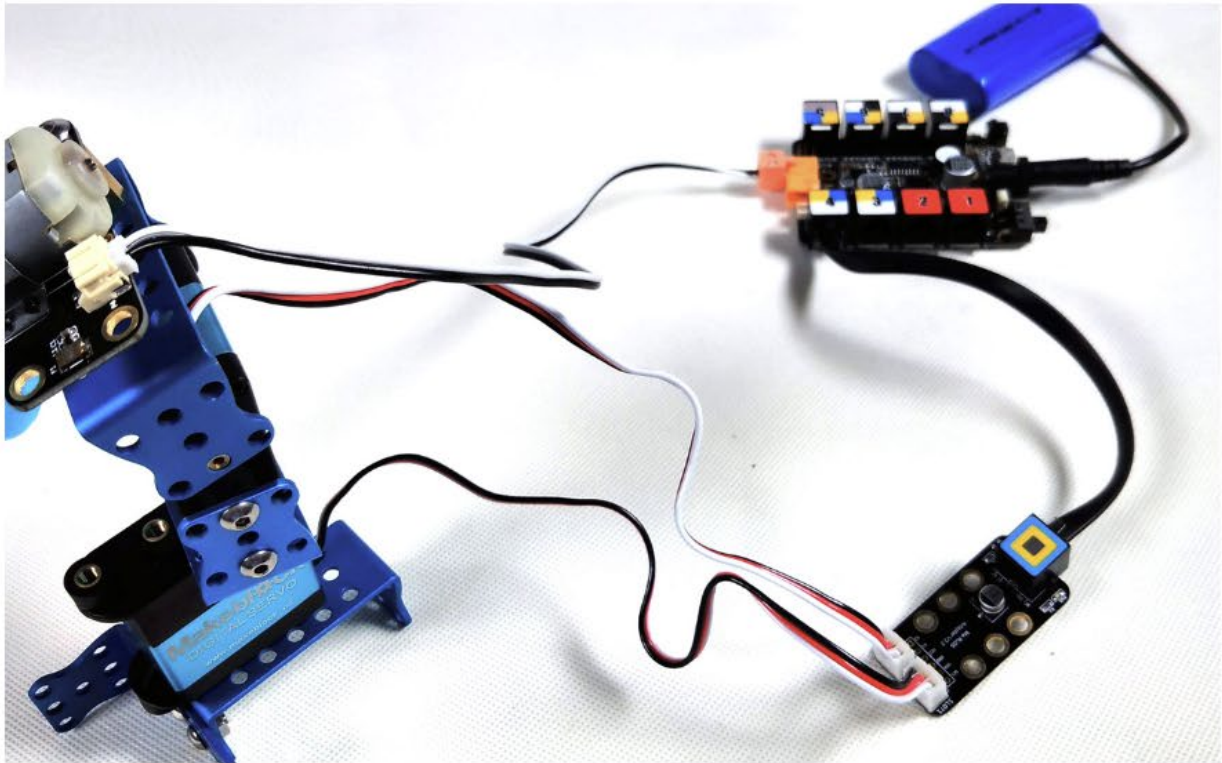
### 1 Assembling







## 2 Wiring



## 3 Coding

```
Servo Fan by indream Edit Clone & Edit Download
```

```
1 #include "MeOrion.h"
2 int sv1_pin = mePort[4].s1;
3 int sv2_pin = mePort[4].s2;
4 Servo sv1;
5 Servo sv2;
6 MeDCMotor dc(M1);
7 float t = 0;
8 float rads = 180/PI;
9 void setup() {
10   sv1.attach(sv1_pin);
11   sv2.attach(sv2_pin);
12 }
13
14 void loop() {
15   t+=1;
16   if(t>360){
17     t-=360;
18   }
19   sv1.write(90+45*sin(t/rads));
20   sv2.write(90+30*cos(t/rads));
21   dc.run(80);
22   delay(20);
23 }
```

Run on Arduino