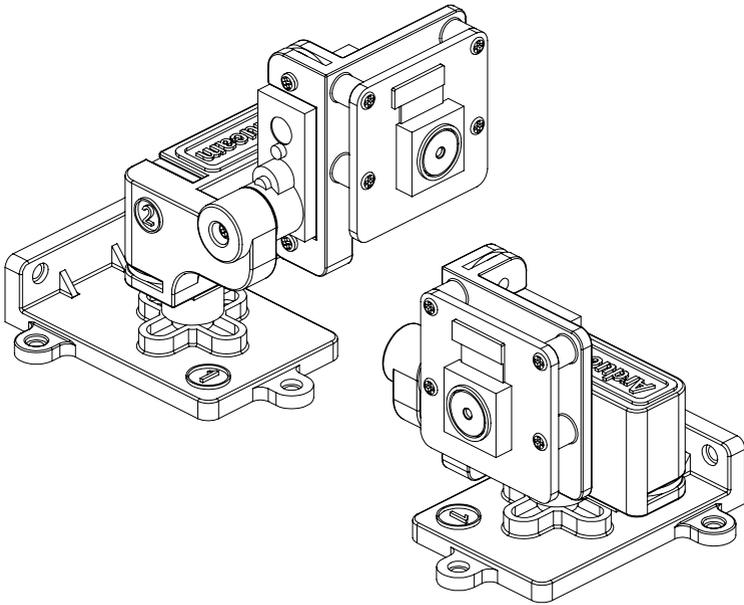


ArduCam[®]

Pan-Tilt Camera Kit for Jetson Xavier NX/Jetson Nano



SKU: B0191PT

QUICK START

Email: support@arducam.com

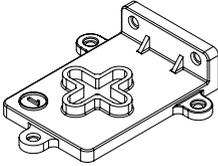
Website: www.arducam.com

Skype: arducam

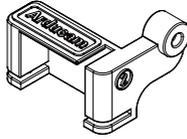
B0191PT is a new member of the family, which can move the camera for pan and tilt directional control. This kit can be used to run two cameras on Jetson Xavier NX and Jetson Nano.

NOTE: The cameras can't work on Raspberry Pi.

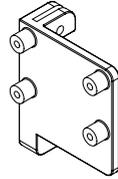
Packing list(2 sets)



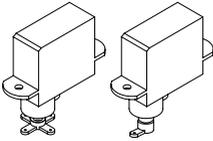
Components ×1



Components ×1



Components ×1



Servo×2

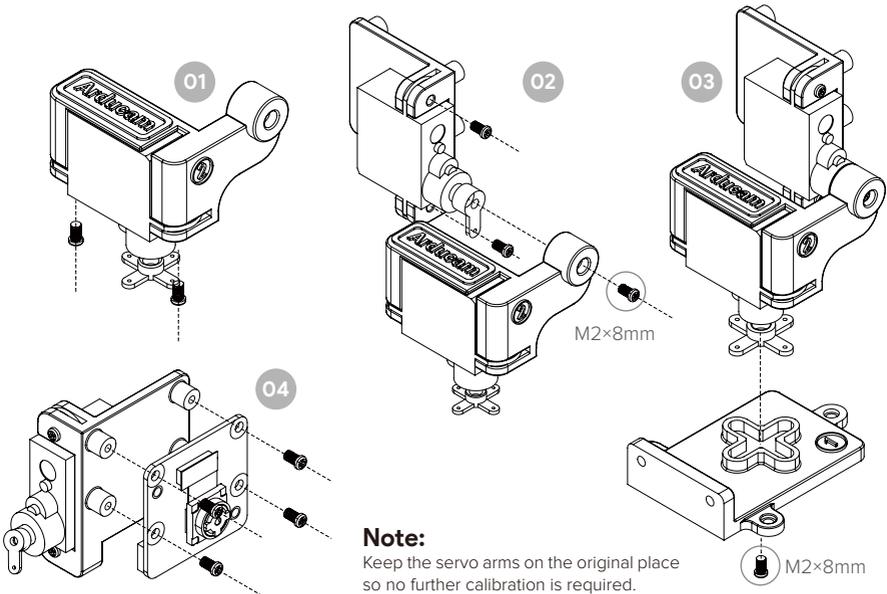


M2×5mm×8

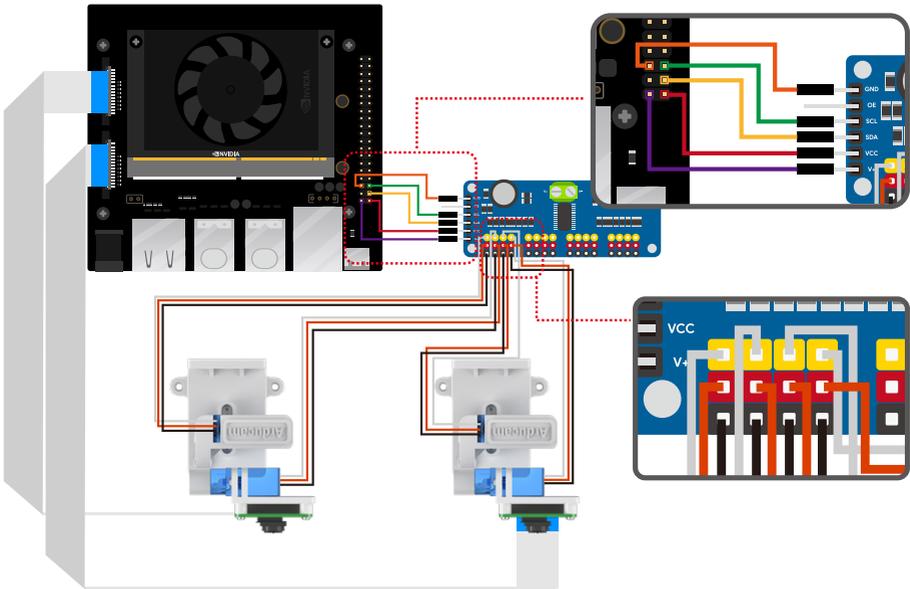


M2×8mm×2

Assembling Step



Camera	
Sensor	IMX219
Resolution	8MP 3280H x 2464V
Frame rate	21fps@8MP, 60fps@1080P, 180fps@720P
IR Sensitivity	Integral IR filter, visible light only
Field of View	62.2°(H)
Camera Board Dimension	25mm x 24mm
Digital Servo	
Torque	0.6 kg/cm@3.6V, 0.8 kg/cm@4.8V
Operating Speed	0.13sec/60°@3.6V, 0.09sec/60° @4.8V
Operating Voltage	3.6V~4.8V
Operating Current	<350mA
Dead Band	3 <u>usec</u>
Weight	3.7g
Dimension	20.0 x 8.75 x 22.0 mm
Control Board	
PWM Driver	PCA9685
PWM Resolution	12-bit
Communication Interface	I2C
Operating Voltage	3.3V/5V
Dimension	25mm x 61mm
Rotation Angle	
Vertical Rotation	145°
Horizontal Rotation	180°



NOTE: Follow the servo motors' wire colors but not the jumper wires'. The colors of the jumper wires are used to distinguish between each other only and do not need to be matched in real wire connection to the Raspberry Pi.

Use The Pan Tilt Camera

Installation Dependencies

```
sudo apt update
sudo apt install python3-pip
sudo pip3 install adafruit-circuitpython-servokit
```

Servo Kit Example

```
git clone https://github.com/ArduCAM/PCA9685.git
cd PCA9685/example/Jetson
python3 ServoKitExample.py
```

Use the arrow keys on the keyboard to control the camera pan and tilt direction.

Related Links

For more tutorials, please refer:<https://toptechboy.com/category/jetson-xavier-nx/>