# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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## DESCRIPTION    –

This unssembled pan-tilt kit is the perfect way to give your project customized full range motion! The pan-tilt can rotate roughly 180° from side-to-side and can tilt downwards roughly 150° (it may be less depending on the servos you use, of course).  This version comes in kit form without any servos, unlike our fully assembled version (http://adafruit.com/products/1967) so if you have a bunch of servos already, or want to customize with one of our many micro servo options such as feedback-type (https://www.adafruit.com/search?q=servo), this is probably the better option for you. (The metal-gear 9g micro servos won't fit!)

Since the motors are plain, every-day analog servos, you can use any microcontroller or driver. They're good for beginners who want to make stuff move and the pan-tilt is an easy way to give whatever you're making both left-right and up-down motion. In our demo, we hooked this up with a Trinket Pro (https://www.adafruit.com/product/2000) and made it do a little dance with the Arduino Servo library (http://arduino.cc/en/reference/servo)