

## PARTS LIST

<b>SUPERSTRUCTURE</b>	
1	GoBilda U-channel P/N 1120-0007-0192 ( <a href="#">GoBilda</a> )
1	GoBilda U-channel P/N 1120-0007-0216
1 pr	GoBilda Flat pattern right-angle bracket P/N 1108-0004-0001
Var	M4 screws, nuts, & washers
<b>SERVOS</b>	
2	GoBilda Servo Gearbox with Hitec servo. P/N 3206-0002-0009 (smaller servos may be substituted)
2	GoBilda 1208-0001-0001 Surface Mounts
1 pkg	GoBilda 2904 Series Hole Reducer (4mm ID x 14mm OD) - 4 Pack
<b>ELECTRONICS</b>	
1	Arduino Nano ( <a href="#">Amazon</a> ) (or clone ( <a href="#">Amazon</a> )) *
1	Screw terminal shield for Arduino Nano ( <a href="#">Amazon</a> )
1	2 x 16 LCD display with I2C connection ( <a href="#">Amazon</a> ) *
1	1 x 4 membrane keypad ( <a href="#">Amazon</a> ) or 4-momentary contact pushbutton switches ( <a href="#">Amazon</a> ) *
1	5V single channel relay ( <a href="#">Amazon</a> ) *
1	2.1mm barrel connector for power - panel mount with jack ( <a href="#">Amazon</a> )
1	1.35mm barrel connector for shutter release - panel mount ( <a href="#">Amazon</a> ) and jack ( <a href="#">Amazon</a> )
1	6 x AA battery case or 4 x AA battery case (dependent on servos used) ( <a href="#">Amazon</a> )

1	Plastic project box 2" x 3" x 6" ( <a href="#">Amazon</a> ) (NOTE: My box is 2" x 2.5" x 5", but I cannot currently source one this size)
1	Remote camera shutter release cable ( <a href="#">Amazon</a> )
<b>CAMERA ACCESSORIES</b>	
2	Arca-Swiss quick release clamps
1	120mm nodal slide ( <a href="#">Amazon</a> )
<b>EXTRAS</b>	
1	Solderless prototype board with jumper wires ( <a href="#">Amazon</a> )
1	Solderable breadboard with power rails – to use as a subfloor; the power rails can be used as buses ( <a href="#">Amazon</a> )
1 pkg	2.54mm pitch block screw connectors ( <a href="#">Amazon</a> )
1 pkg	Standoff spacers – nylon or brass – to mount components ( <a href="#">Amazon</a> )
<b>SUGGESTED TOOLS</b>	
1 set	Miniature screwdrivers – small screws on electronics
1 set	Metric hex key wrenches
1	Electric drill with bits sized for barrel connectors
1	Soldering iron (preferably with temp control)
1 pr	Slip-joint pliers
1 pr	Long nose pliers
1	Coping saw – for cutting opening for the display
1	Standard #2 phillips screwdriver
1	Standard straight slot screwdriver