

<u>Drone Project</u>	\$825.52		<u>Where to purchase</u>
	Est Cost	Subtotal	(mention for DroneMission.com (4DM) to get better service)
Aircraft 450 or 500 Frame/Motor/ESC	100		choose a model next page \$69-\$140. Recommend Reptile frame
2.4 Radio Devo 10 tx & rx (1km)	134.1		1 time beginner's cost. Hobbypartz.com Recommend JR 8-10 Ch
RC Aircraft ready to fly:		\$234.10	
<u>Now we add the Drone components</u>			
FPV 5.8 400mW video tx rx (2-4km)	116		eBay or foxtechfpv.com
MinimOSD 0.1 - visual instrument	16.88		eBay goodluckbuy, cheapest one. GPS Coord, MSL, Distance Travelled, Altitude, Compass Heading, Waypoints, Voltage, Callsign, Flight Mode, Temperature etc
Keychain Camera #16 wide angle	43.99		eBay. Better to go with foxtechfpv.com Horyzon v3 \$160 or GoPro 3
T-Plug in-line JST video tx	4.49		eBay. main battery to video tx if using deans connector
<u>Build A Drone - workshop purchase (shared reduced cost)</u>			
DroneMission licensed DVR software	0		no cost. Licensed to DroneMission rescue
Control Panel APM 2.5, GPS and PM	235.59		3DR USA no solder. Autopilot, Return to Home, GPS hold, Circle, Altitude hold, Failsafe, Acrobat, Fence, run Flight Planner, Missions
Solder resin the esc, tape, sandpaper	1		includes balancing props
Radio cable, 10 cm, 6pin -> 6 x 1pin	1.95		comes from Phillipines jdrones.com
Servo leads x2	2.2		connect camera to tx or optional channel
10 zip ties 6 inches for ESC	1.5		special RC size from china
Reserves/Labor (returned if not use)	20		Reserves, misc they pop up. Example 4 Props \$7 and some velcro
Fully Loaded Drone Base COST:		<u>\$677.70</u>	Fully loaded DIY Drone cost 50% lesser then commercial ready to fly
<u>Typical hobby cost, use for multiple aircrafts (if you don't already have one)</u>			
4000mah 3s 25c Lipo battery (7-10 min)	26.8		Hobbyking.com Buy maybe 2 or more
1000mAh 3s 20c JST battery for video rx	5.49		Hobbyking.com Get the lightest
Deans to 4mm battery adapter	4.75		Ebay
Thunder 680 charger or better	47.95		Hobbypartz.com Can get a cheaper one, but may need separate power supply if you don't have one at home
Easycap USB 2.0 Video Capture Card	9.99		Ebay. If using PC or you can buy a small TV monitor or DVR (\$57.59)
Your laptop			Use as monitor, tuning and flight plans
<u>Optional Backups & Equipments</u>			
2 spare Propellers 9x47	3.2		
1 Spare HJ or DJI leg	3.75		
FDTI program onboard screen (OSD)	6.9		Ebay. Optional, we program it for you, but you can change OSD preferences with this module
915Mhz Radio Telemetry Kit (1km)	38.99		RCTimer.com KIT-915. Over the air flight plans, missions, tuning

Model DM450

RCTimer.com
\$99 Frame/Motor/ESC
mention for DroneMission.com
to get better service



Model DM500 Seeker Reptile (\$140 Frame/Motor/ESC) - Custom build



Model Bixler 2

\$69 + shipping
Frame/Motor/ESC



Fully Loaded Drone Build: Autopilot, Return to Home, GPS hold, Circle, Altitude hold, Position hold, Failsafe, Acrobat, Fence, run Flight Planner, On Screen Display, Waypoints & Missions