Part Desc.	Place of Purchase	Part Name:	Part #	Quantity:
Rover Chassis	pololu.com	Dagu Wild Thumper 4WD, 34:1	1566	1
Batteries- 12V 2800mAh NiMh	"	12.0V 2800mAh Rechargeable NiMh Battery Pack	RB-Sta-14	2
Battery Charger	"	6-12V NiMh/NiCd smart charger	RB-Ten-02	1
Motors	N/A			
Tires	N/A			
ESC	digikey.com	DRV8871 DC MOTOR DRIVER BREAKOUT	1528-1719-ND	6
Radio Transmitter/Receiver	amazon.com	HiLetgo 315Mhz RF Transmitter and Receiver		1
FPV Camera	amazon.com	Raspberry Pi Camera Module V2 8 mp, 1080p		1
FPV transmitter/receiver	amazon.com	Long Distance 1.2 GHz 2W Audio Video Transmitter		1
Raspberry pi cpu	amazon.com			1
Gyroscope	adafruit.com	Adafruit 9-DOF Accel/Mag/Gyro+Temp Breakout	LSM9DS1	1
Accelerometer	"	"	"	
GPS	adafruit.com	TAdafruit Ultimate GPS Featherwing	3133	1
Antenna for Beacon	amazon.com	315Mhz-470Mhz Omnidirectional Antenna		1
Motor Controller	pololu.com	Pololu TReX Dual Motor Controller DMC01	777	1

Part Desc.	Place of Purchase	Part Name:	Part #	Quantity:
Rover Chassis	pololu.com	Dagu Wild Thumper 4WD, 75:1	1566	1
Motor Controller	pololu.com	Pololu TReX Dual Motor Controller DMC01	777	1
Batteries	Hobbyking.com	Turnigy Stick Pack Sub-C 3000mAh 7.2v NiMH High Po	9440000002	2
Battery Charger	"	Turnigy B6 PRO 50W 6A Balance Charger	9070000041-0	1
Motors	N/A	comes with dagu	1566	
Tires	N/A	comes with dagu	1566	
ESC	N/A	comes with TReX motor controller	777	
Radio Transmitter/Receiver(Beacon)	amazon.com	HiLetgo 315Mhz RF Transmitter and Receiver		1
Radio Transmitter/Receiver(Vehicle Com	amazon.com	WINGONEER 433Mhz RF Transmitter and Receiver		2
FPV Camera	amazon.com	Runcam Racer Micro		1
Raspberry pi cpu	amazon.com	Raspberry Pi 3b+		1
USB to TTL	amazon.com	HiLetgo USB to TTL Serial Cable		1
Antenna for Beacon	amazon.com	315Mhz-470Mhz Omnidirectional Antenna		1
Micro SD Card for Rasp PI	amazon.com	16 GB Micro SD card		1

FPV transmitter/receiver	aliexpress.com	1.2G TX1000 1W 1500mW 8CH Transmitter		1
IR Sensor	aliexpress.com	Infrared Obstacle Avoidance Sensor Module		10
GPS	adafruit.com	Adafruit Ultimate GPS Breakout	746	1
Ultrasonic Sensors	digikey.com	SparkFun Electronics Ultrasonic Sensor HC-SR04	SEN-13959	4
steel screw	mcmaster.com	18-8 Stainless Steel Socket Head Screw	92196A051	1

Price:	Total Price:	Notes:
$ 174.95	$ 174.95	Heavy duty body made of aluminum. Wiring harness, tires, motor c
$ 48.99	$ 97.98	Nominal Voltage: 12V; Chemistry: NiMh; Capacity: 2.8 Ah; Continuo
$ 21.95	$ 21.95	For 6-12V NiMh/NiCd battery packs 5-10 cells; Input: AC 100-240V;
	$ -	
	$ -	
$ 7.50	$ 45.00	
$ 4.69	$ 4.69	https://www.amazon.com/HiLetgo-Transmitter-Receiver-Arduino-F
$ 24.95	$ 24.95	https://www.amazon.com/Raspberry-Pi-Camera-Module-Megapixe
$ 64.99	$ 64.99	https://www.amazon.com/Distance-1-2GHz-Transmitter-Receiver-I
$ 37.30	$ 37.30	
$ 14.95	$ 14.95	https://www.adafruit.com/product/3387?gclid=CjwKCAjwmJbeBRE
	$ -	"
$ 39.95	$ 39.95	https://www.adafruit.com/product/3133?gclid=CjwKCAjwmJbeBRE
$ 8.98	$ 8.98	https://www.amazon.com/dp/B07DCK422B/ref=sspa_dk_detail_1?
$ 99.95	$ 99.95	https://www.pololu.com/product/777 *says only needs one

Total Amount: $ 635.64

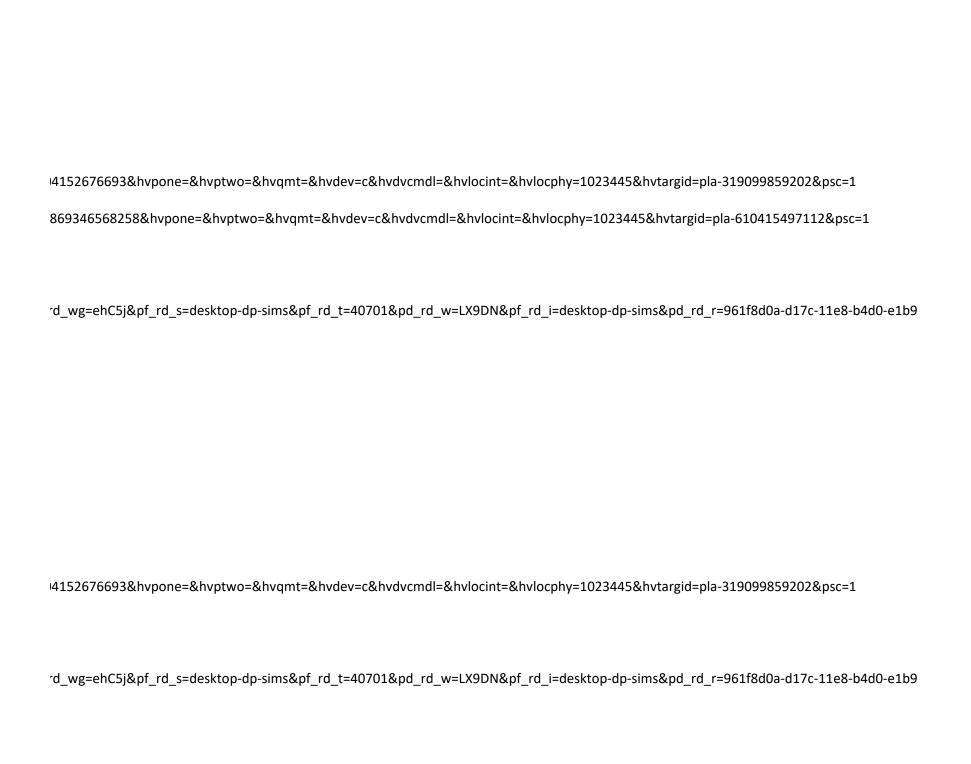| Price:	Total Price:	Expected Order Date:	Expected Delivery Date:	Notes:
$ 174.95	$ 174.95	12/7/18	1/7/19	https://www.pololu.com/product/1566
$ 99.95	$ 99.95	12/7/18	1/7/19	https://www.pololu.com/product/777
$ 14.23	$ 28.46	12/7/18	1/7/19	https://hobbyking.com/en_us/turnigy-stick-pack-sub-c-3000mah-7
$ 13.99	$ 13.99	12/7/18	1/7/19	For 6-12V NiMh/NiCd battery packs 5-10 cells; Input: AC 100-240V;
	$ -	12/7/18	1/7/19	
	$ -	12/7/18	1/7/19	
	$ -	12/7/18	1/7/19	
$ 4.69	$ 4.69	12/7/18	1/7/19	https://www.amazon.com/HiLetgo-Transmitter-Receiver-Arduino-F
$ 5.99	$ 11.98	12/7/18	1/7/19	https://www.amazon.com/WINGONEER-Wireless-Transmitter-Rece
$ 36.75	$ 36.75	12/7/18	1/7/19	https://www.amazon.com/dp/B07G35ZV6V?tag=amz-mkt-chr-us-2
$ 38.90	$ 38.90	12/7/18	1/7/19	https://www.amazon.com/ELEMENT-Element14-Raspberry-Pi-Mot
$ 5.19	$ 5.19	12/7/18	1/7/19	https://www.amazon.com/HiLetgo-CP2102-Converter-Adapter-Dov
$ 8.98	$ 8.98	12/7/18	1/7/19	https://www.amazon.com/dp/B07DCK422B/ref=sspa_dk_detail_1?
$ 3.99	$ 3.99	12/7/18	1/7/19	

$ 56.31	$ 56.31	12/7/18	1/7/19	https://www.banggood.com/1_2G-TX1000-1W-1000mW-8CH-Tran
$ 0.38	$ 3.80	12/7/18	1/7/19	https://www.aliexpress.com/item/Free-shipping-IR-Infrared-Obsta
$ 39.95	$ 39.95	12/7/18	1/7/19	https://www.adafruit.com/product/3133?gclid=CjwKCAjwmJbeBRE
$ 3.95	$ 15.80	12/7/18	1/7/19	https://www.digikey.com/product-detail/en/sparkfun-electronics/!
$ 6.73	$ 6.73	12/7/18	1/7/19	https://www.mcmaster.com/92196a051 1 pack has 100 Screw!

Total Amount: $ 550.42

onnection wire inlcuded. Motors included. 6lb payload

*May need 2 of these

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cle-Avoidance-Sensor-Module-for-Arduino-Smart-Car-Robot-3-wire-Reflective/32321964595.html?src=google&albslr=220833420&src=google&albch=sho

SEN-13959/1568-1421-ND/6193598&?gclid=Cj0KCQiA597fBRCzARIsAHWby0HFLL4HPTl-UsbAkjAgHfSZD4fiMlNDPvcu0raHhfi5LYlNPhzwFc4aAkh2EALw_wc

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=en32321964595&netw=u&device=c&mtctp=&albbt=Google_7_shopping&aff_platform=google&gclid=Cj0KCQjwl9zdBRDgARIsAL5Nyn0McYPxQ