Bill of Materials

Item	Manufacturer	Lead Time (incl. shipping)	Qty	Cost Per Unit	Total Cost
DRONE ONLY				**Total Cost:**	**$1,559.20**
22Ah 6S LiPo Battery	Tattu	2 weeks	2	$ 240.00	$ 480.00
Flight Controller (Pixhawk 6C)	HolyBro	7-10 business days	1	$ 231.46	$ 231.46
GPS/Compass (M10, included w/ FC)	HollyBro	7-10 business days	1	$ -	$ -
XING 4214 660KV Motors	iFlight	2 weeks	4	$ 62.75	$ 251.00
6-channel RC receiver	Any	7-10 business days	1	$ 35.00	$ 35.00
Power Distribution Module (PM07, included w/ FC)	HolyBro	7-10 business days	1	$ -	$ -
Electronic Speed Controller (120A)	ApisQueen	7-10 business days	4	$ 30.00	$ 120.00
RC Controller	Any	7-10 business days	1	$ 50.00	$ 50.00
Wiring kit (12AWG, 60ft)	NAOEVO	3 business days (Amazon)	1	$ 27.07	$ 27.07
LiPo Battery Charging Kit	Smart Charger	3 business days (Amazon)	1	$ 52.00	$ 52.00
Carbon Fiber Octagonal Tubing (500mm, 4pk)	ZSJ (Amazon)	2 weeks (from China)	2	$ 25.00	$ 50.00
3D Printing Filament (PLA)	Any (used Overture)	3 business days (Amazon)	1	$ 24.00	$ 24.00
XT90 Connectors (10 pr)	Amass	3 business days (Amazon)	1	$ 14.17	$ 14.17
Propellers (16")	HQProp	7-10 business days	4	$ 35.68	$ 142.70
Extreme Fasteners	Scotch	0 days (Home Depot)	1	$ 13.03	$ 13.03
M6 100mm lag bolts	Any	0 days (Home Depot)	8	$ 2.63	$ 21.02
M6 locking nut	Any	0 days (Home Depot)	8	$ 0.68	$ 5.46
MDF board (1/4"x2'x4')	Any	0 days (Home Depot)	2	$ 8.05	$ 16.10
3D Printing Filament (TPU 95A)	Any (used SunLu)	3 business days (Amazon)	1	$ 26.19	$ 26.19
Arm Supports	3D Printed using TPU 95A	4 hours	8	$ -	$ -
MISSILE PAYLOAD				**Total Cost:**	**$ 307.16**
Cruise Missile Design Files	AeroJTP	0 days	1	$ 42.52	$ 42.52
3D Printing Filament (LWPLA)	Any (used prefoamed Polymaker)	3 business days (Amazon)	2	$ 35.00	$ 70.00
Missile parts from files	3D printed using PLA and LWPLA	20 hours	1	$ -	$ -
3D Printing Filament (PLA)	Any (used Overture)	3 business days (Amazon)	1	$ 24.00	$ 24.00
50pcs M3 12mm hex heads	Aliexpress (manufacturer U/K)	3 weeks	1	$ 5.00	$ 5.00
10pcs 150mm extension wires	Aliexpress (manufacturer U/K)	3 weeks	3	$ 5.29	$ 15.87
1350pcs Set C Black screws	Aliexpress (manufacturer U/K)	3 weeks	1	$ 10.00	$ 10.00
3-axis Gyro	Aliexpress (manufacturer U/K)	3 weeks	1	$ 14.26	$ 14.26
7000KV 30mm motor	Aliexpress (QX-motor)	3 weeks	1	$ 23.64	$ 23.64
2g motor servo	Aliexpress (DSpower)	3 weeks	3	$ 6.85	$ 20.54
2-4S 20A Brushless ESC	Aliexpress (Surpass Hobby)	3 weeks	1	$ 25.10	$ 25.10
Super Glue	Gorilla Glue	0 days	1	$ 6.54	$ 6.54
HotRC Controller/Receiver	Aliexpress (HotRC)	3 weeks	1	$ 20.44	$ 20.44
1050mAh LiPo Battery	Tattu	3 business days (Amazon)	1	$ 29.25	$ 29.25
REGULAR PAYLOADS				**Total Cost:**	**$ 320.00**
GoPro/similar camera	GoPro	7-10 business days	1	$ 220.00	$ 220.00
Magswitch MagJig 60 Magnet	Magswitch	3 business days (Amazon)	2	$ 30.00	$ 60.00
Magswitch Mounting Plate	3D Printed using ABS	2 hours	1	$ -	$ -
3D Printing Filament (ABS)	Any (unknown brand used)	3 business days (Amazon)	2	$ 20.00	$ 40.00
TOTAL OVERALL COST:					**$ 2,186.36**