Bill of Materials

Item #	Quantity	Part #	Retailer	Name/Desc	Unit Cost	Extended Cost	
1	1	BGRCB6208DD-80_2_14	Misumi	Primary bearing + housing	$218.06	$218.06	
2	2	8828T115	McMaster	Angular contact bearing, secondary	$35.46	$70.92	
3	1	SPFR40-300_2_14	Misumi	Hollow rotary shaft, primary	$87.08	$87.08	
4	1	PSFRMHP20-60-F30-P8_2_14	Misumi	Secondary shaft	$27.50	$27.50	
5	1	2764k138	McMaster	Servomotor coupler, primary	$60.54	$60.54	
6	1	2764k137	McMaster	Servomotor coupler, secondary	$60.54	$60.54	
7	2	HEDG-9000-H13	Mouser	Absolute rotary encoder discs	$35.57	$71.14	PARTS
8	2	630-AEAT-9000-1GSH0	Mouser	Absolute rotary encoder reader heads	$70.19	$140.38	
9	1	3322_0 - 28STH32	Phidgets	NEMA 11 stepper motor	$38.00	$38.00	
10	1	3329_0 - 42STH38	Phidgets	NEMA 17 stepper motor	$48.00	$48.00	
11	2	1067_0	Phidgets	Stepper Motor Controller	$95.00	$190.00	
12	1	B011HVUEME	Amazon	RTL-SDR	$25.95	$25.95	
13	1	B00AUB5ODM	Amazon	RTL-SDR Adapter	$8.51	$8.51	
14	1	MBT-2210	Mouser	Minnowboard Turbot	$150.00	$150.00	
15	1	05-BU-353-S4	Amazon	GPS Unit	$30.45	$30.45	
16	1	33-173	Edmund	Blackfly Imager	$395.00	$395.00	
17	2	B005CPI0JQ	Amazon	Serial Adapters	$29.88	$59.76	
18	1	B01LRW956O	Amazon	USB Hub	$34.99	$34.99	

Item #	Quantity	Part #	Retailer	Name/Desc	Unit Cost	Extended Cost	
						TOTAL:	$1,716.82
Ite m #	Quantit y	Part #	Retailer	Name/Desc	Unit Cost	Extende d Cost	
1	2	86825K15	McMaster	MIC6 Plate, .5X12X12	$59.78	$119.56	
2	1	8975K266	McMaster	6061 Al, 2X4X6	$39.31	$39.31	
3	1	8975K288	McMaster	6061 Al, 3X6X12	$129.72	$129.72	MATERIALS
4	1	8975K293	McMaster	6061 Al, 4X6X12	$176.66	$176.66	
6			McMaster	Wiring and Hardware		$50.00	
					TOTAL	$515.25	
				PROJECT COST:	**$2,232.07**		