

Robo-magellan bill of materials

Part name	Cost	Qty	Extended Cost	Description	Purpose	Manufacturer	Product URL	Data Sheet/Manual URL
ARB-5230	\$500.00	1	\$500.00	Embedded Computer (system controller)	High level controller, machine vision,	Acrosser USA	http://www.acrosser.com/	http://www.acrosser.com/
Quick-Cam S5500	\$50.00	1	\$50.00	Camera (vision system)	Camera	Logitech	http://www.mightex.com/	http://www.mightex.com/
MP-28005-385	\$28.93	1	\$28.93	Gear-motor (drive-train)	Gear-motor	BaneBots	http://banebots.com/	http://banebots.com/pc/M
E4P	\$25.25	1	\$25.25	Encoder	Optical quadrature encoder	US Digital	http://usdigital.com/	http://usdigital.com/assets
LS266	\$5.60	1	\$5.60	Counter	32-bit quadrature counter	US Digital	http://usdigital.com/	http://usdigital.com/assets
CA-MIC4-W4-NC	\$6.80	1	\$6.80	Cable	Cable for encoder	US Digital	http://usdigital.com/	http://usdigital.com/assets
CMPS03	\$44.56	1	\$44.56	Compass Module I2C and PWM output	Compass	Devantech Ltd (Robot Electronics)	http://www.robot-electronics.com/	http://www.robot-electronics.com/
DE-ACCM3D	\$35.00	1	\$35.00	Buffered 3D Accelerometer (analog x,y,z)	Accelerometer	Dimension Engineering	http://www.dimensionengineering.com/	http://www.dimensionengineering.com/
GP2Y0A700K0F	\$19.02	2	\$38.04	Infrared Proximity Sensor (100-500cm)	Distance sensor	Sharp Microelectronics	http://search.digikey.com/	http://rocky.digikey.com/W
M-1200	\$69.95	1	\$69.95	GPS Receiver Module	GPS	Holux	http://www.holux.com/	http://www.holux.com/JCo
PING))) Ultrasonic Sensor 4 Pack	\$100.00	1	\$100.00	PING))) Ultrasonic Sensor 4 Pack	Ultrasonic distance sensor	Parallax	http://www.parallax.com/	http://www.parallax.com/d
MODEL 3605	\$300.00	1	\$300.00	Stampede XL-5	Frame/chassis	Traxxas	http://www.traxxas.com/	http://www.traxxas.com/pr
ARMmite PRO	\$29.95	2	\$59.90	Single Board Programmable Controller	Platform and Navigation controllers	Coridium	http://www.coridiumcorp.com/	http://www.coridiumcorp.com/
Misc consumables	\$50.00	1	\$50.00	Wire, solder, connectors, headers, resistors, etc.	Misc parts	Fry's Electronics		

Total	\$1,314.03
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