

ELIR project - BILL OF MATERIAL

\$3.60

id	component	description	brand	part number	power/current	connection	unit cost [R\$]	quantity	total cost [R\$]
01	interface board		Phidgets	1019_1B	500mA (max)	USB	R\$ 272.00	1	R\$ 272.00
02	proximity sensor		ETT CO. Ltd	E18-D80NK npn	<25mA	Digital Output	R\$ 29.00	5	R\$ 145.00
03	temperature sensor		Texas Instruments	LM35	10mA	Analog Output	R\$ 7.38	1	R\$ 7.38
04	gps		Swift Navigation	Piksi 2.3.1	5V, 500mW	USB		1	R\$ 0.00
05	imu		XSENS	Mti-1	44mW	USB		1	R\$ 0.00
06	ultrasonic sensor		Maxbotix	EZ-1	5V, 2mA	Analog Output	R\$ 107.82	1	R\$ 107.82
07	current sensor		Phidgets	1122_0	5V, 10mA	Analog Output	R\$ 106.02	3	R\$ 318.06
08	lwir camera		FLIR	Lepton 1.0	140mW	I2C		1	R\$ 0.00
09	bridge board I		STM	STM32F401 RE	160mA/0.64W	USB	R\$ 49.79	1	R\$ 49.79
10	bridge board II		STM	STM32L432	140mA/0.56W	USB	R\$ 39.56	1	R\$ 39.56
11	joint hub		Mandruvah	-	12V	RS485	R\$ 25.20	3	R\$ 75.60
12	servomotor I		Dynamixel	MX-28	1.4A/16.8W	RS485	R\$ 900.00	5	R\$ 4,500.00
13	servomotor II		Dynamixel	MX-106	5.2A/62.4W	RS485	R\$ 1,800.00	13	R\$ 23,400.00
14	adapter 485-usb							1	R\$ 0.00
15	battery		Inspired Energy		89Wh/6,2Ah		R\$ 879.98	2	R\$ 1,759.97
16	power management board		-			USB	R\$ 2,200.00	1	R\$ 2,200.00
17	multiplex board		Inspired Energy	EB325A	15mA/0.36W	I2C	R\$ 1,296.00	1	R\$ 1,296.00
18	central processing		Intel	NUC515RYK			R\$ 4,300.00	1	R\$ 4,300.00
19	stereo camera		Stereolabs	ZED camera	380mA	USB	R\$ 1,800.00	1	R\$ 1,800.00
20	cabo usb								