	CIRCUIT COMPONENTS							
	Part	Value/Range	Package	Part Number	Quantity	Cost per unit	Total cost	Retailer
Electronics	ATMega328p-au	8-bit microcontroller	tqfp package	ATMEGA328P-AU	-	1 \$2.11		Amazon
	SSD1331 OLED Breakout Board	16-bit color 0.96" w/ microSD holder	Breakout board	Adafruit ID#: 684		1 \$29.95		Adafruit
	AMG8833 IR Thermal Camera Breakout	0 degrees celsuis to 80 degrees celsuis	Breakout board	Adafruit ID#: 3538		1 \$39.95		Adafruit
PCB and Parts	Potentiometer	2M Ohm single turn	5mm Square-Close Frame	Addituit ID#. 0000		1 \$3.35		Mouser
	Li-Po Battery	3.7V 300mAh	omm equate close i fame	ds721855		1 \$1.39		Amazon
	Crystal Resinator	10MHz/33pF	3 pin SMD Resonator	40.2.000		1 \$1.69		Mouser
	IC Controller Li-ION	4.2 V	SOT 23 - 5	MCP73831T		1 \$0.59		Mouser
	Transistor	NPN BJT	SOT 23	MMBT3904		2 \$0.17		Mouser
	Transistor	PNP BJT	SOT 23	MMBT3906		1 \$0.10		Mouser
	IC LDO Linear Regulator	3.3 V reg	SOT 23 - 5	TLV70333		2 \$0.42		Mouser
	LED LINEAR PROGRAMME	Red	0603 SMD	1		1 \$0.14		Mouser
	LED	Green	604 SMD			1 \$0.14		Mouser
	LED	Blue	605 SMD			1 \$0.15	\$0.15	Mouser
	Slide Switch	Single pull double throw	Through Hole			1 \$0.58	\$0.58	Mouser
	Male header 16 pin	0.1" right angle single row				16 \$0.32	\$5.12	Mouser
	Micro USB-B	Female	SMT			1 \$0.46	\$0.46	Mouser
	Ferrite Bead	100 Ohm	0603 SMD			5 \$0.07	\$0.35	Mouser
	Resistor	0 Ohm	0603 SMD			4 \$0.01	\$0.04	Mouser
	Resistor	330 Ohm	0603 SMD			2 \$0.11	\$0.22	Mouser
	Resistor	390 Ohm	0603 SMD			1 \$0.11	\$0.11	Mouser
	Resistor	2k Ohm	0603 SMD			1 \$0.01	\$0.01	Mouser
	Resistor	47k Ohm	0603 SMD			1 \$0.02	\$0.02	Mouser
	Resistor	3.3M Ohm	0603 SMD			1 \$0.01	\$0.01	Mouser
	Resistor	10M Ohm	0603 SMD			2 \$0.01	\$0.02	Mouser
	Capacitor	100nF	0603 SMD			10 \$0.01	\$0.10	Mouser
	Capacitor	4.7uF	0603 SMD			2 \$0.07	\$0.14	Mouser
	Capacitor	10uF	0603 SMD			2 \$0.10	\$0.20	Mouser
	Routed PCB					4 \$2.13	\$8.52	OHS Park
Mounting & Casing	Double Convex Lense	1mm focal length				1 \$0.20	\$0.20	Amazon
	Mirror					1 \$0.20	\$0.20	Amazon
	Piece of Acrylic					1 \$0.00	\$0.00	Reclamed
	3D Printed Casing					1 \$8.20	\$8.20	EPL
	Masking Tape					1 \$0.05	\$0.05	EPL
otal Cost of Single Uni	t \$105.29	9						