

Parts List

category	model number	shop	unit price		total	URL
Camera	PS3Eye	Amazon	\$32.00	1	\$32	http://www.amazon.com/PlayStation-Eye-3/dp/B000VTQ3LU
M12 LENS	Board Lens (25 mm)	surveillance-video	\$18.00	1	\$18	http://www.surveillance-video.com/bole25mmform.html
M12 LENS holder	cmt-107	optics-online	\$6.00	1	\$6.00	http://www.optics-online.com/
IR Filter	LEE FILTERS 87 100mm x 100mm	B&H (or others)	\$13.95	1	\$13.95	http://www.bhphotovideo.com/c/product/102762-REG/LEE_Filters_87P3_3x3_Infra_Red_87.html
IR LED	HSDL-4220 (516-1261-ND)	Digikey	\$0.75	36	\$27	http://www.digikey.com/
MOSFET	IRL3714ZPBF (IRL3714ZPBF-ND)	Digikey	\$1.41	2	\$2.82	http://www.digikey.com/
Regulator	MC7805ABTG(MC7805ABTGOS-ND)	Digikey	\$0.67	1	\$0.67	http://www.digikey.com/
Resistor 3.0OHM 1W	ERX-1SJ3R0 (P3.0W-1BK-ND)	Digikey	less than \$1	2	\$1.00	http://www.digikey.com/
Resistor 120OHM 1/4W	ERD-S2TJ121V (P120BACT-ND)	Digikey	less than \$1	1	\$1.00	http://www.digikey.com/
Resistor 1kOHM 1/4W	ERD-S2TJ102V (P1.0KBACT-ND)	Digikey	less than \$1	1	\$1.00	http://www.digikey.com/
Power Adaptor 7.5V	SPU10-103(7.5V, SPU1010375255595-ND)	Digikey	\$14.84	1	\$14.84	http://www.digikey.com/
Transistor	2N2222	RadioShack	\$0.79	1	\$0.79	http://www.radioshack.com/product/index.jsp?productId=2062608
Potentiometer	Rheostat(25Ohm - 3W)	RadioShack	\$3.99	2	\$7.98	http://www.radioshack.com/product/index.jsp?productId=2062299
Arduino	-	SparkFun	\$29.95	1	\$29.95	http://www.sparkfun.com/commerce/product_info.php?products_id=666
Male pin for Arduino female pin	Break Away Headers - Straight	SparkFun	\$2.50	1	\$2.50	http://www.sparkfun.com/commerce/product_info.php?products_id=116
Visible LED	Red LED	SparkFun	\$0.35	1	\$0.35	http://www.sparkfun.com/commerce/product_info.php?products_id=533
USB Cable for Arduino	-	SparkFun	\$3.95	1	\$3.95	http://www.sparkfun.com/commerce/product_info.php?products_id=512
BreadBoard	-	SparkFun	\$5.95	1	\$5.95	http://www.sparkfun.com/commerce/product_info.php?products_id=9567
Round PCB Kit (5-Pack)	-	RadioShack	\$4.99	2	\$9.98	http://www.radioshack.com/product/index.jsp?productId=3173937
Wire	-	RadioShack	\$7.69	1	\$7.69	http://www.radioshack.com/product/index.jsp?productId=2062656
Wire(30 Gauge for VSYNC)	-	RadioShack	\$3.99	1	\$3.99	http://www.radioshack.com/product/index.jsp?productId=2062642
Solder	thin solder is better.					
Soldering Iron						
Drill Press						
Scissors						
Screw Driver						