

BOM (To Purchase)

	Part Name	Material	Manuf. Method	Manufacturer	Manufacturer Part #	Distributor	Distributor Part #	Quantity Needed	Unit MFG Time (hrs)	Total MFG Time (hrs)	Quantity Ordered	Unit Price	Total Price	Total Price ordered	Lead Time	Owner
Electrical	Frame Grabber		--	EPIX	PIXCI SV5	EPIX	PIXCI SV5	1	0	0	1	\$215.00	\$ 215.00	\$ 215.00		EE
	5V/12V Power Supply		--	Cincon	CFM4OD-01	MOUSER.com	418-CFM4OD-01	1	0	0	0	\$37.88	\$ 37.88	\$ -		EE
	ON/OFF indication LED			Lumex	SSI-LXR3612GD-5V	MOUSER	696-SSILXR3612GD5V	1	0	0	0	\$3.00	\$ 3.00	\$ -		EE
	3-way switch					MOUSER	611-A40315RNZQ	1			0	\$1.06	\$ 1.06	\$ -		EE
	Wires (Blk)		--			Radio Shack	278-1215	1	0	0	0	\$6.59	\$6.59	\$ -		EE
	Wires (red)		--			Radio Shack	278-1218	1	0	0	0	\$6.59	\$6.59	\$ -		EE
	Heat Shrink Tubing			3M	FP301 3/16 BLACK 48" BK	MOUSER	5174-13161	3	0	0	0	\$1.28	\$ 3.84	\$ -		EE
	power inlet					MOUSER	693-6100.3200	1			0	\$1.30	\$ 1.30	\$ -		EE
	power cord			ADAM TECH	PC-0102060AC03	MOUSER	737-PC-0102060AC03	1	0	0	0	\$3.24	\$ 3.24	\$ -		EE
	Cooling Fan			Orion Fans	OD3010-05HB	MOUSER	670-OD301005HB	1	0	0	0	\$9.99	\$ 9.99	\$ -		EE
BNC connector					MOUSER	52331-3220	1	0	0	0	\$11.98	\$ 11.98	\$ -		EE	
BNC cable				Emerson / AIM-Cambridge	73-6300-3	MOUSER	601-736300-10	1	0	0	0	\$8.48	\$ 8.48	\$ -		EE
Mechanical Subsystem	10x (13 - 130 mm FL) Close Focus Zoom lens - C-mount			Edmund Optics	NT54-363	Edmund Optics	NT54-363	1	0	0	1	\$450.00	\$ 450.00	\$ 450.00		ME
	2X C-Mount Fixed Focal Length Lens Extender			Edmund Optics	NT54-356	Edmund Optics	NT54-356	1	0	0	1	\$95.00	\$ 95.00	\$ 95.00		ME
	Aluminum Sheet					McMaster-Carr	8975K335	1	0	0	0	\$27.99	\$ 27.99	\$ -		ME
	Gas Spring					McMaster-Carr	9416K17	1				\$12.85	\$ 12.85	\$ -		ME
	5052 Aluminum sheeting					McMaster-Carr	88895K56	4				\$39.22	\$ 156.88	\$ -		ME
	Push-to-open latch					McMaster-Carr	10825826	1				\$5.24	\$ 5.24	\$ -		ME
	304 Stainless steel antivibration feet					McMaster-Carr	2515T16	4				\$7.05	\$ 28.20	\$ -		ME
	Steel Hinge					McMaster-Carr	1488A11	3				\$5.60	\$ 16.80	\$ -		ME
	7/8" zinc plated steel L brackit					McMaster-Carr	1556A24	16				\$0.34	\$ 5.44	\$ -		ME
	Nylon					McMaster-Carr	85055k41	1				\$121.78	\$ 121.78	\$ -		ME
	Gas Spring end mounts					McMaster-Carr	9416K86	2				\$1.28	\$ 2.56	\$ -		ME
	Gas Spring L bracket mounting ball					McMaster-Carr	9512K92	1				\$1.03	\$ 1.03	\$ -		ME
	sears 300 type writer					varies	sears 300	1				\$20.00	\$ 20.00	\$ -		
Gas Spring mounting ball					McMaster-Carr	9512K73	1				\$1.03	\$ 1.03	\$ -		ME	
Total Cost										0	\$1,253.75					

BOM (Total)

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Electrical	Frame Grabber		--	EPIX	PIXCI SV5	EPIX	PIXCI SV5	1		0	1	\$215.00	\$ 215.00		EE
	5V/12V Power Supply		--	Cincon	CFM4OD-01	MOUSER.com	418-CFM4OD-01	1	0	0	0	\$37.88	\$ 37.88		EE
	ON/OFF indication LED			Lumex	SSI-LXR3612GD-5V	MOUSER	696-SSILXR3612GD5V	1	0	0	0	\$3.00	\$ 3.00		EE
	3-way switch					MOUSER	611-A40315RNZQ	1			0	\$1.06	\$ 1.06		EE
	Power Switch		--			MOUSER		1	0	0	0	\$	\$ -		EE
	Wires (Blk)		--			Radio Shack	278-1215	1	0	0	0	\$6.59	\$ 6.59		EE
	Wires (red)		--			Radio Shack	278-1218	1	0	0	0	\$6.59	\$ 6.59		EE
	Heat Shrink Tubing			3M	FP301 3/16 BLACK 48" BK	MOUSER	5174-13161	3	0	0	0	\$1.28	\$ 3.84		EE
	power inlet					MOUSER	693-6100.3200	1			0	\$1.30	\$ 1.30		EE
	power cord			ADAM TECH	PC-0102060AC03	MOUSER	737-PC-0102060AC03	1	0	0	0	\$3.24	\$ 3.24		EE
	Cooling Fan			Orion Fans	OD3010-05HB	MOUSER	670-OD301005HB	1	0	0	0	\$9.99	\$ 9.99		EE
	BNC connector					MOUSER	52331-3220	1	0	0	0	\$11.98	\$ 11.98		EE
BNC cable			Emerson / AIM-Cambridge	73-6300-3	MOUSER	601-736300-10	1	0	0	0	\$8.48	\$ 8.48		EE	
Monochrome CCD Camera			KP-M2RN	Hitachi, Denshi Ltd			1	0	0	1	\$ 495.00	\$ 495.00		ME	
Fiber optic light line			Fiberoptics Technology Inc.	FTISL16854-10	Fiberoptics Technology Inc.	FTISL16854-10	1	0	0	0	\$ 360.00	\$ 360.00		ME	
Mechanical Subsystem	10x (13 - 130 mm FL) Close Focus Zoom lens - C-mount			Edmund Optics	NT54-363	Edmund Optics	NT54-363	1	0	0	1	\$450.00	\$ 450.00		ME
	2X C-Mount Fixed Focal Length Lens Extender			Edmund Optics	NT54-356	Edmund Optics	NT54-356	1	0	0	1	\$95.00	\$ 95.00		ME
	Aluminum Sheet					McMaster-Carr	8975K335	1	0	0	0	\$27.99	\$ 27.99		ME
	Gas Spring					McMaster-Carr	9416K17	1				\$12.85	\$ 12.85		ME
	5052 Aluminum sheeting					McMaster-Carr	88895K56	4				\$39.22	\$ 156.88		ME
	Push-to-open latch					McMaster-Carr	10825826	1				\$5.24	\$ 5.24		ME
	304 Stainless steel antivibration feet					McMaster-Carr	2515T16	4				\$7.05	\$ 28.20		ME
	Steel Hinge					McMaster-Carr	1488A11	3				\$5.60	\$ 16.80		ME
	7/8" zinc plated steel L brackit					McMaster-Carr	1556A24	16				\$0.34	\$ 5.44		ME
	Nylon					McMaster-Carr	85055K56	1				\$192.20	\$ 192.20		ME
	Gas Spring end mounts					McMaster-Carr	9416K86	2				\$1.28	\$ 2.56		ME
	Gas Spring L bracket mounting ball					McMaster-Carr	9512K92	1				\$1.03	\$ 1.03		ME
	sears 300 type writer					varies	sears 300	1				\$20.00	\$ 20.00		ME
Gas Spring mounting ball					McMaster-Carr	9512K73	1				\$1.03	\$ 1.03		ME	
Total Cost										0	\$2,179.17				