

Materials List for:

A Video Surveillance System to Monitor Breeding Colonies of Common Terns (*Sterna Hirundo*)

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Materials

Name	Company	Catalog Number	Comments
Morningstar SS-20L-12V (2)	Morningstar Corporation	3680192	Charge controller
Renogy 100 W 12V Panel (4)	Renogy	RNG-100D	Solar panel
LOREX LW3211 (6)	Lorex	LW3211-2PK	Wireless camera with receivers
Sawhorse (4)	HDX	SH106	
LOREX DV7082	Lorex	DV7082W	8ch 1080p HD DVR; Comes with computer mouse
12V dry cell Absorbent Glass Mat (AGM) car batteries (6)	Optima	DS46B24R	
TCT LCD color monitor	Kuman	X0013XA151	Mini display monitor
22 in. display monitor	Dell	S2218H	For office
18 gallon plastic bin (2)	Sterilite	1446	Plastic container
Black copper insulated 10 AWG wire	Southwire	22973257	Black electrical wire
Red copper insulated 10 AWG wire	Southwire	37113803	Red electrical wire
3/8 in. ring terminals	Autocraft	85417	
5/16 in. ring terminals	AutoCraft	85445	
Winged wire connectors (red)	Commercial Electric	775304	Connector is large enough to accommodate 3 10AWG wires inside
12V male DC adapter (2)	Avue	162537	
Male DC 2.1 x 5.5 mm power plugs for CCTV (4)	WinBook	231001	
Four port DC power splitters, 1 female to 4	ClearView	PWRSPIDER4	
1.5 ft. wooden board (5)	Home Depot	461443	
5 ft. wooden board	Vigoro	RC 85N	
1/4 in. x 2 in. eye bolt (8)	Everbilt	816721	
5/16 in. hex nuts (16)	Everbilt	804886	
5/16 in. washers (16)	Everbilt	807220	

SAE size 6 stainless steel clamps (8)	Everbilt	670655E	
60ft. BNC extension cables (6)	WinBook	432377	
2 ft. x 4 ft. wooden plywood	Home Depot	1502104	Cut to 1 ft. x 2 ft.
5 ft. metal rebar (8)	Weyerhaeuser	35616	
Bungee cord (2)	HDX	56128	For securing lid
15 ft. x 3/4 in. sticky back tape	Velcro	239540	
Duct tape	Duck	392875	
Permanent Marker	Sharpie	35010	
1/4 in. x 400 ft. white diamond braid nylon rope	Everbilt	72716	
Weatherproof electrical tape	Scotch	6143-BA-10	
Schumacher 6A 12V automatic battery charger/ Carquest battery charger 8A	Schumacher/ Carquest	SP6/ CQ-80CR	Two possible car battery chargers
6 in. nails (14)	Grip-Rite	60HGC	
18 Volt 1/2 in. Drill-Driver	Ryobi	P208B	Drill
25 watt standard duty soldering iron	Weller	SP25NKUS	Soldering iron
Leaded rosin core solder	Bernzomatic	354123	Solder
Wire cutter	Stanley	84-199	
Screwdriver	Husky	146340142	Came from 14 piece set of Phillips and flathead drivers
15 in. aggressive tooth saw	Home Depot	122SS159	
Rubber mallet	HDX	31030	
Post driver	Everbilt	901147EB	