

Item #	Description	Model	Cost	Item Total	Source
CAMERA	PTZ Video Camera 1080p	Axis Communications P5655-E 1080p Outdoo	1899		https://www.bhphotovideo.com/c/search?Ntt=axis%20communications%20p5655-e
CAMERA	Mounting camera case (weather pro	T91L61 Wall-and-Pole Mount	219		https://www.bhphotovideo.com/c/product/1252275-REG/axis_communications_5506_951_alum_ip666_nema_4k.html
CAMERA	Power Over Ethernet + Injector	Trendnet TPE-115Gi (Must be POE+)	24		https://www.amazon.com/TRENDnet-Ethernet-Injector-Distances-TPE-115Gi/dp/B00BK4W8TQ/ref=sr_1_3
CAMERA	Audio Visual Cable for Axis camera	Axis 5506-191 Multicable C/I/O Audio Power 1	149		https://www.bhphotovideo.com/c/product/1493243-REG/axis_communications_5506_191_multicable_c_i_o_audio.html
CAMERA	Ethernet Lightning Arrestor	RiteAV - Outdoor POE+ / RJ-45 Surge Protecto	27		https://www.amazon.com/RiteAV-Ethernet-Protector-Lightning-Protection/dp/B00FY7GMEW/
CAMERA	Camstreamer Software (for YouTube	Camstreamer Streaming Application	299	2617	https://camstreamer.com/
IR LIGHT	Infrared Lights for night time viewing	Tendelux 80ft IR Illuminator	22		https://www.amazon.com/gp/product/B075ZYG89D/
IR LIGHT	POE for IR lights (If in water)	Trendnet TPE-115Gi (Must be POE+) (\$24)			https://www.amazon.com/TRENDnet-Ethernet-Injector-Distances-TPE-115Gi/dp/B00BK4W8TQ/ref=sr_1_3
MISC	50' Ethernet camera cables (burial g	Cat5e Ethernet Cable Direct Burial Shielded	31		https://www.amazon.com/Outdoor-Waterproof-Ethernet-Direct-Shielded/
MISC	MSN Power Switch 2 port	Model 522B	99		https://www.amazon.com/dp/B0CL5J13V4/
MISC	Island Switch	TBD	20		
MISC	Router (if needed)	EdgeRouter X		172	https://store.ui.com/us/en/pro/products/er-x
TOTAL				2789	
Backhaul	Radios	Ubiquiti airMax LiteBeam 5AC X2	130		https://store.ui.com/us/en/pro/category/wireless-airmax-5ghz/products/litebeam-5ac
	UPS (Battery on shore)	TBD/Estimate	40		
Solar	Solar Panels	2x 100 W MonoCrystal panels RNG-100D	219		https://www.renogy.com/200-watt-12-volt-monocrystalline-solar-panel/
	Solar Panels	1x 200W MonoCrystal RSP200D \$220			
	Controller	Rover LI 20A MPPT Controller W/BT	119		
	Panel Mounts	2x Single Side 27.4in RNG-MTS-SP100	120		Note: See Amazon Wish List for single mount for two
	Battery to Controller Cables	2 AWG - One ring, one bare	15		https://www.amazon.com/RENOGY-Copper-Connect-Controller-Battery/dp/B00FPSCET2/
	Charge cables	20 Ft 10AWG Solar Adapter	30		https://www.amazon.com/Renogy-20FT-10AWG-Extension-Connectors/dp/B00JH1PABW/
	Y Connectors	MMF/FFM for Series	12		https://www.amazon.com/Renogy-Branch-Connector-Connection-Solar/dp/B08T1Q8PF7/
	Fuse	15 Amp OYMSAE Inline PV Fuse	10		https://www.amazon.com/OYMSAE-Holder-Inline-Connector-Waterproof/dp/B0B2NHKY9Q/
	Inverter	Under 500W (100W good)	50		
	Batteries	2x 12V 100Ah Smart LiFePo	980		
	Cross-over cables	2 AWG Battery Cables Ring ends	25	1750	https://www.amazon.com/gp/product/B0B8HMB6NM/
TOTAL				4539	
Misc	PCV Pipe	1 1/2" 4 Ft Plus adapters	20		
	Junction Boxes	Makelele IP65 8x8x1	16		https://www.amazon.com/gp/product/B097XSWCKS/
	Various Ethernet Patch Cables		20		
	RJ45 Couplers		10		
	POE Splitter	Anvision 2 pack (\$17)			https://www.amazon.com/gp/product/B07L7QK5N3/
	C clamp and screws for radios		10		
	Equipment Boxes	Battery, Solar, Camera, Shore	30		
	Lightning Protector	Tupavco TP303	39		https://www.amazon.com/gp/aw/d/B008060BU0/
	Grounding Rod X2	Gounengnail 4' 3/8 Copper	35		https://www.amazon.com/gp/product/B08PKVM7LY/
	Microphone	Sunba Outdoor Mike	30		https://www.amazon.com/gp/product/B07CG5KMD2/
	Mic Cable and Connectors		20		
	1x6x8 Treated board		10	240	
				4779	
ON LAND OPTION					
Subtract	Second POE		-24		
	POE Splitter		-17		
Add	Extension Cord (110V)		10		