

BUDGET FOR INTRUDER DETECTION SECURITY DEVICE

This document provides a complete list of components required for the design and fabrication Intruder detection security device and training of personnel.

1. Power Component Section

S/N	Component	Amount (₦)
1	Power Supply/Charging Unit	550,000
2	Lithium Battery	650,000
3	VLIC Controller	620,000
4	Reed Relays	80,000
5	Overload Relay (Thermal)	100,000
6	Micro Center Switches	100,000
7	Power Adaptors	150,000
8	Power Connectors	70,000
	Sub-Total	2,320,000

2. Protection and Isolation Devices

	Component	Amount (₦)
1	Mains Sensitive safety switch	350,000
2	Panel safety Switch	95,000
3	Fuse Holders & Fuses	25,000
5	Surge Protection Device (SPD)	65,000
	Sub-Total	535,000

3. Power Supply and Wiring

	Component	Amount (₦)
1	Copper Power Cables	30,000
2	Control Connecting Wires	25,000
3	Terminal Blocks / Connectors	30,000
4	Cable Lugs / Clips	10,000
	Sub-Total	95,000

4. Indication and Measurement

	Component	Amount (₦)
1	Indicator Sensors	55,000
2	Buzz Alarm	25,000
3	Vibration Sensors	57,000

	Sub-Total	137,000
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5. Detection and Control Parts

	Component	Amount (₦)
1	Face Detection IP Cameras	4,000,000
2	Software for Configuration of IP Cameras	3,800,000
3	BNC Camera Connectors	320,000
4	DVR/NVR Modules	1,800,000
5	4T Lite Cameras	450,000
6	Infrared PIR Sensors	85,000
7	Sim Enabled Wireless Router	400,000
	Sub-Total	10,535,320

6. Testing and Evaluation

	Component	Amount (₦)
1	Digital Multimeter	600,000
2	Insulation Tester (Megger)	350,000
3	Portable Digital Oscilloscopes	4,000,000
4	Battery Tester	250,000
	Sub-Total	5,200,000

7. Training

	Component	Amount (₦)
1	3 Trainer's Laptop	4,800,000
2	Stationaries for 10 persons	5,800,000
3	ESP32820 ICs and AT Mega Controller (Including softwares) for 10 Persons	21,727,680
	Sub-Total	35,027,680

1. Power Component Section	2,320,000
2. Protection and Isolation Devices	535,000
3. Power Supply and Wiring	95,000
4. Indication and Measurement	137,000
5. Detection and Control Parts	10,535,320
6. Testing and Evaluation	5,200,000
7. Training	35,027,680
TOTAL	53,850,000
Contingencies 10%	5,385,000.00

Grand Total **59,235,000.00**

Grand Total. Fifty-Nine Million , Two Hundred and Thirty-Five Thousand Naira only.