100+ OSINT DIY Gadget Ideas with Cover Graphics -H9

https://haybnz.web.app/pages/blogs/072725.html

1. Wi-Fi Sniffer
Detect nearby networks and signal strengths

2. GSM Sniffer
Capture metadata from GSM traffic

3. Bluetooth Tracker
Track BLE beacons and devices

4. SDR Scanner
Use a software-defined radio for spectrum analysis

5. Hidden Camera Detector
Identify suspicious IR signals or lens reflections

6. Raspberry Pi IP Cam
Build a live-streaming surveillance camera

7. Arduino Motion Detector
Simple PIR-based motion sensor with alerting

8. GPS Logger
Track movements with GPS and save routes

9. RFID Cloner
Replicate basic RFID badges (for research)

10. Thermal Camera Add-on
Detect heat signatures with low-cost thermal sensors

11. Voice-Activated Recorder
Start audio recording upon voice detection

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12. LoRa Sniffer
Listen to long-range RF IoT traffic

13. Router Recon
Repurpose old router to scan local network

14. IP Geolocation Tracker
Trace public IPs to locations

15. Metadata Extractor
Analyze file metadata like EXIF, PDF, DOCX info

16. Wi-Fi Pineapple Clone
Create rogue AP for ethical phishing demos

17. QR Code Trap
Deploy QR stickers that log scans

18. Fake AP + Captive Portal
Harvest user input with fake login page

19. MAC Address Logger
Capture MACs from devices in range

20. DIY Spy Pen
Mini camera/recorder disguised in pen

21. Mini Drone Camera
Aerial view for situational mapping

22. Laser Microphone
Capture sound from window vibrations (advanced)

23. USB Keylogger
Log keystrokes on a host machine

24. 3G/4G IMSI Catcher
Intercept mobile metadata (research only)

25. Tactical Watch Recorder
Wrist-worn hidden audio recorder

26. Phone Call Recorder
Record analog or VoIP calls

27. Temp/Humidity Logger
Track environmental changes in target space

28. Door Vibration Sensor
Alert on door movements

29. Wi-Fi Deauther
Kick devices off networks for testing security

30. Night Vision Cam
DIY IR webcam with night mode

31. Power Line Tap
Monitor electricity usage remotely

32. Bug Sweeper
Detect wireless hidden bugs (RF sweepers with LEDs)

33. SDR ADS-B Tracker
Track aircraft signals from commercial planes

34. ESP32-CAM Body Cam
Wearable low-power camera using ESP32 module

35. Fake USB Charger Recorder
Covert recording device disguised as phone charger

36. Wi-Fi Packet Analyzer
Capture packet data from nearby networks using Wireshark & USB Wi-Fi adapter

37. EMF Field Detector
Sense electromagnetic fields using Arduino & coils

38. Directional Microphone Array
DIY parabolic mic to eavesdrop from afar

39. GSM Locator via Cell ID
Use cell tower triangulation to estimate target phone location

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40. USB Rubber Ducky Clone
Inject malicious payloads using digispark or BadUSB

41. Network Tap Adapter
Passive tap to mirror LAN traffic using DIY RJ45 splitter

42. GPS Jammer Detector
Sense jamming signals that disrupt GPS receivers

43. SIM Toolkit Payload Tester
Analyze STK payload responses from target SIM cards

44. DIY Key Fob Cloner (RFID)
Clone 125kHz cards for physical access testing

45. Hidden Dashcam for Surveillance Vans
Covert mobile surveillance with local SD storage

46. Smart Meter Data Sniffer
Intercept smart energy meter emissions

47. PIR + Camera Wildlife Trap
Used for OSINT in forest/lone site ops

48. E-Ink Passive Billboard Logger
Record changing info from electronic signage (bus stops, ATMs)

49. Arduino FM Transmitter
Broadcast short messages over FM range

50. DIY Antenna Direction Finder
Handheld device to trace transmission origin

51. VoIP SIP Packet Capture
Use Pi to log VoIP calls on LAN

52. Cheap USB Oscilloscope
Inspect signal changes in devices under test

53. Drone-based Wi-Fi Recon
Map SSIDs & MACs via aerial sniffing

54. Portable SD Card Copier
Clone SDs/USBs in field without computer

55. DIY Thermal Bug
Thermal gradient recorder using TMP sensors

56. Google Street View Crawler Bot
Auto-capture and tag images of public areas

57. Satellite Signal Logger
Capture NOAA, APT weather satellite imagery using RTL-SDR

58. Vibration Alert Watch
Discrete wristband that vibrates on sensor trigger

59. LoRaWAN Packet Interceptor
Use TTGO boards to monitor public LoRa nodes

60. USB Activity Monitor
Track USB device insertions/removals on host

61. HackRF Portable Analyzer
Advanced SDR tool for all frequency bands

62. PoE Camera Injector/Monitor
Tap into PoE-powered surveillance cams

63. Wi-Fi Heatmap Mapper
Map out signal strength in buildings

64. Cheap DIY Stenography Toolkit
Hide data in images or text using scripts

65. Signal Strength Direction Tool
Yagi antenna + Pi to find RF source

66. Night Vision Helmet
Head-mount IR cam for dark surveillance

67. Wall Vibration Audio Bug
Pickup internal audio from wall using piezo

68. Router Traffic Monitor
Install tcpdump/suricata on OpenWRT router

69. GSM Interference Sniffer
Detect anomalies in cell tower patterns

70. IoT Device Mapper
Scan network for common smart devices (MQTT, ZigBee, etc.)

71. DIY Laser Tripwire Alarm
Silent beam break detector for physical perimeter

72. Solar Cam Trap
Self-powered long-term cam logger

73. Infrared People Counter
Track entry/exit count in areas

74. File System Timeline Extractor
Recover file timestamps from USB devices

75. Portable Packet Sniffer Stick
Pre-installed Linux USB with Wireshark, Kismet, etc.

76. Wi-Fi Beacon Spammer
Create fake SSID storm for crowd masking or tests

77. Ethernet Cable Tester with Logging
Record voltage drops or usage attempts

78. DIY GSM Module SMS Trigger
Receive remote SMS and trigger actions/logs

79. Anti-Surveillance Light Flasher
Strobe LEDs to disrupt night cameras

80. LiDAR Room Scanner
3D map surroundings using DIY LiDAR + Pi

81. Webcam Cover Sensor
Logs if laptop cam is active (via USB voltage)

82. Smart Doorbell Tap
Record audio/video when smart doorbell is activated

83. DIY Electromagnetic Pulse Sensor
Detect short EMP or high-voltage pulses

84. Secure Boot Keyloader Trap
Log USB interactions on secure boot devices

85. Social Engineering Toolkit Drive
Auto-run phishing tools when plugged into host

86. Arduino Spectrum Visualizer
Visual light/sound spectrum in field

87. DIY Proxy Drop Box
Physical device deployed to sniff LAN traffic remotely

88. Radio Beacon Tracker
Log radio pings to triangulate location

89. SDR Weather Satellite Receiver
Receive live images from NOAA satellites

90. Hidden Clock Cam
Embed cam in a functional desk clock

91. ESP8266 Packet Flooder
Test network resilience by packet injection

92. USB Device ID Logger
Record all device IDs that connect to a USB hub

93. Network Print Logger
Tap into printer network for data exfiltration

94. Smartwatch Packet Logger
Capture BLE/Bluetooth Classic packets from smartwatches

95. Fake Charging Kiosk Logger
Logs data from devices "charging" via USB

96. Audio Steganography Decoder
Extract hidden messages in WAV files

97. Doorcam Knock Sensor
Start camera when vibrations match "knock" pattern

98. DIY BLE Presence Detector
Detect unique BLE broadcasts from known devices

99. Radio-Controlled Trigger Device
Trigger or start other tools remotely via radio

100. Covert IR Marker
Use IR LEDs to mark objects visible only via camera

101. One-Pixel Webcam Detector
A Pi Zero cam in tiny module to detect room activity

102. DIY Smart Glass Break Sensor
Alert when sudden audio profile matches glass shatter

103. Power Line Interference Detector
Detect anomalies in local AC line to find surveillance bugs