



GENERAL FEATURES

- **Professionally Selected Toolset:** Includes all necessary components for detecting a wide range of covert surveillance eavesdropping devices.
- **Full Frequency Coverage (50 MHz – 44 GHz):** The combination of the iProtect 1216 detector (50 MHz – 12 GHz) and the iProtect 1240 microwave detector (9 GHz – 44 GHz) provides continuous monitoring across the entire spectrum, allowing for the detection of all types of RF threats (wireless microphones, video cameras, etc.).
- **Enhanced Sensitivity to BLE Tags:** A bandpass filter (2.4–2.5 GHz) and directional antenna eliminate interference and significantly increase sensitivity to low-power BLE and Bluetooth signals, including BLE tags (AirTag, etc.).
- **Optical Detection of Hidden Cameras:** Using the retroreflective effect, the WEGA-i device detects any optical lenses regardless of their operational status (powered on or off).
- **Mobility and Ergonomics:** The entire kit comes in an impact-resistant transport case with custom foam cutouts for immediate operational readiness.

KIT COMPONENTS

iProtect 1216 –

Countersurveillance 3-Band RF Detector

- **Purpose:** Detection of analog and digital transmitters (GSM, 3G, 4G, Wi-Fi, DECT, Bluetooth/BLE, etc.).
- **3 Independent Graphical Scales:**
 - **Band 1:** 50 – 700 MHz (VHF / UHF)
 - **Band 2:** 700 MHz – 3 GHz (Mobile and wireless standards)
 - **Band 3:** 3 – 12 GHz (SHF / Microwave, 5 GHz Wi-Fi)
- **Advantage of Frequency Division:** In the presence of a strong interference source, sensitivity drops only in the affected band, preserving maximum sensitivity in the remaining two.
- **Alarm Mode & Histogram:** 48-step threshold adjustment and a graphical display of signal history over the last 5 seconds to track periodic pulsed devices.

iProtect 1240 –

Millimeter-Wave Microwave Detector

- **Purpose:** Detection of high-frequency data transmission devices, including 5G mmWave devices and specialized protocols.
- **Frequency Range (9 GHz – 44 GHz):** Covers 5G mmWave bands (n257, n258, n260, n261).
- **Specialized Filtering:** Rejects frequencies below 9 GHz, allowing operation in complex environments without false triggers from standard mobile phones.

• Dual Detection Scale:

- **Modulation level:** High sensitivity for long-range detection.
- **RF level:** Pinpoint physical localization of the source.

- **Directional Antenna:** Built-in antenna with a 30° beamwidth for precise directional tracking.

Bandpass Filter (2.4 – 2.5 GHz) & LPDA-12 Microwave Directional Antenna

- **Hardware Selectivity:** Filters out noise and background signals outside the 2.4–2.5 GHz range (specifically cellular communications below 2 GHz).
- **Sensitivity Enhancement:** Suppressing background noise allows for a lower trigger threshold and extends the detection range for Bluetooth / BLE devices (including BLE tags).

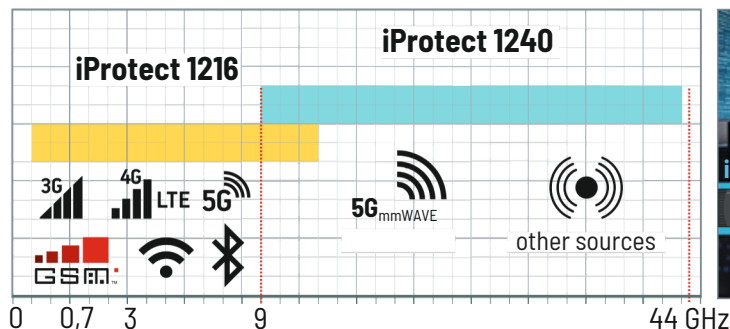
WEGA-i – Optical Hidden Camera Detector

- **Operating Principle:** Laser/optical retroreflection probing (pinhole lenses).
- **State-Independent:** Detects cameras regardless of power status, recording mode, or video transmission method.
- **Detection Distance:** 2 to 10 meters.
- **False Reflection Protection:** Light filter system and strobing mode distinguish true optical reflections from camera sensors from glares on interior surfaces, glass, or mirrors.

DETECTED THREATS

Threat Type	Description / Frequency Range	Primary Tool
Radio Microphones & Wireless Threats	Analog and digital audio/video transmitters (VHF/UHF, GSM, 3G, 4G, 5G, DECT, Wi-Fi, Bluetooth, etc.)	iProtect 1216
Hidden Video Cameras BLE Tracking Tags	Optical lens localization regardless of operational status	WEGA-i
	AirTag-type trackers and similar devices, including modified tags in Stealth mode	iProtect 1216 + Filter + Antenna
Ultra-High Frequency 5G/IoT Devices	High-speed microwave transmitters up to 44 GHz	iProtect 1240

FULL FREQUENCY COVERAGE



COMBINET SPECIFICATIONS TABLE

Parameter	iProtect 1216	iProtect 1240	WEGA-i
Purpose	RF Detector (Analog + Digital)	Microwave / 5G mmWave Detector	Optical Camera Detector
Operating Range	50 MHz – 12 GHz	9 GHz – 44 GHz	Optical (Visual)
Number of Channels	3 independent scales	1 (filters out < 9 GHz)	Optical channel + filter
Operating Modes	Silent, Audio, Alarm	Silent, Alarm, Sound	Strobing (adjustable)
Power Supply	Built-in Li-Ion (1150 mAh)	1 AA battery (LR06)	2 AAA batteries (LR03)
Battery Life	Up to 6 hours	10 – 20 hours	Depends on operating mode
Enclosure Material	Impact-resistant duralumin	Impact-resistant duralumin	Impact-resistant duralumin
Weight / Dimensions	265 g / 173×71×21 mm	172 g / 19 mm (diameter)	140 g / 140×34×16 mm

PACKAGE CONTENTS



- 1 Transport case with custom foam insert – 1 pc.
- 2 Countersurveillance 3-Band RF Detector iProtect 1216 – 1 pc.
- 3 Rod antenna for iProtect 1216 – 1 pc.
- 4 USB charging cable for iProtect 1216 (located beneath the device) – 1 pc.
- 5 Bandpass filter (2.4 – 2.5 GHz) (located beneath the device) – 1 pc.
- 6 LPDA-12 microwave directional antenna – 1 pc.
- 7 Microwave detector iProtect 1240 – 1 pc.
- 8 AA battery (LR6) for iProtect 1240 – 1 pc.
- 9 Optical hidden camera detector WEGA-i – 1 pc.
- 10 AAA battery (LR03) for WEGA-i (located beneath the device) – 2 pcs