Detect and Locate Hidden Cellular Phones in Prison Cells...

Cellular Phones are becoming one of the most dangerous forms of prison contraband, allowing prisoners to bypass regulations and conduct illicit activity from behind bars.

The ORION NLJD locates hidden electronic devices such as cellular phones, etc.

Features

The ORION is the World’s leading Non-Linear Junction Detector (NLJD) for detecting hidden electronic devices. The ORION detects semiconductor junctions (present in virtually all electronic devices, including cellular phones) and provides a working solution to controlling contraband cellular phones in correctional facilities.

- Detects electronics in cellular phones/chargers, EVEN when the phone is turned off
- Patented Digital Signal Processing Algorithms increases sensitivity
- Patented Frequency Hopping functionality increases detection reliability
- Lightweight, Balanced, Ergonomic Design: only 3.3lbs (1.5kg)
- Includes 4 rechargeable NiMH batteries; 2.5 hours run-time per battery
- Detects through common hiding places (mattresses, clothing, food boxes, etc.)
- Portable, fits into a case slightly larger than a standard brief case
- Easy to use, easy to read display alerts on hidden electronics

*Product specifications and descriptions subject to change without notice.
Technical Specifications

TRANSMITTER
Frequency Bands: 880–1005MHz in 200kHz (FCC Band 902.2-927.8MHz)
Transmit Power: 14 milliwatts minimum, 1.4 watts peak Effective Radiated Power (ERP)
Power Control: Manual or auto control with 30 dB range

RECEIVER
Frequency Bands: Second Harmonic (1760–2010MHz) or Third Harmonic (2640–3015MHz)
Sensitivity: -133dBm for Second and Third Harmonics
DSP S/W Integration: Programmable between 6 and 18dB gain in sensitivity performance
Receiver Bandwidth: 3kHz

BATTERY/CHARGER
Batteries: (4 included) 7.2V NiMH
Run Time: 2.5 hours per battery (SRCH mode)
Charge Time: 1 hour per battery
Charger Input AC: 100-240V, 50-60Hz

MECHANICAL
Extension Lengths: 16–51 in (40.6–129.5 cm)
Operational Weight with Battery: 3.3 lbs (1.5 kg)
Case Dimensions: 6.25 in x 14.9 in x 18.5 in (15.9 cm x 37.8 cm x 47.0 cm)
Case Weight: 11.5 lbs (5.2 kg)

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