

The background image shows two surveying stations at dusk. Each station consists of a white dome-shaped sensor mounted on a black tripod. In the foreground, a black control box with several indicator lights sits on the ground. To the right, a ruggedized laptop displays a map with a red circular area of interest. The scene is dimly lit, with the sky showing a gradient of blue and purple.

# PORTABLE & MOBILE SYSTEMS

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# Kit contents

Component	Quantity
Handheld drone-link detector (ELRS & digital video links)	1 pc
Medium spring whip antenna, detachable, SMA-M	1 pc
Large spring whip antenna, detachable, SMA-M	1 pc
Li-ion battery packs	3 pcs, 2,300 mAh each ( $\approx 17,020$ mWh)
Charging dock	1 pc
AC power adapter 230 V AC $\rightarrow$ 8.4 V DC	1 pc



# Key Capabilities

- **Frequency coverage:** scans 300–6200 MHz.
- **Detection range:** up to 1.5 km (with two detachable antennas).
- **Field-proven RF design:** built on a configuration widely used in real deployments.
- **Passive RF scanning:** detects without emitting or interfering.
- **Signature database:** continuously updated detection signatures.
- **Rich detection info:** on each hit shows UAV type, frequency, RSSI level, and time of last detection; for ELRS also displays packet rate (PR) between RC and UAV.
- **Filter by target type:** enable only digital UAV search; optionally include/exclude ELRS controller search.
- **Frequency filters:** limit scanning to selected bands/ranges.
- **RSSI threshold:** adjustable sensitivity to control alarms.
- **Ignore list:** suppress indication for specific UAV IDs/signatures.
- **Detection log:** on-device archive for incident review.
- **Wearable alerting:** detection events mirrored to a wrist-worn digital alert device.