



HydraProbe Mobile is a compact, **smartphone-based remote testing device** designed for today's dynamic vehicle security workflows. Executing the HydraVision Security Test Environment on a Google Pixel™, it connects **directly to the car's network via OBD2 interface**. Security engineers can **configure test sequences remotely**, allowing field personnel to **execute them on-site** - without needing technical expertise.

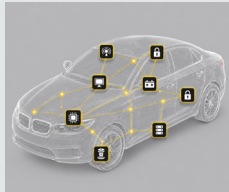


1 Connect & Scan



- Connect smartphone to vehicle via OBD (CAN/DoIP)
- Start scan via intuitive UI

2 Data Acquisition



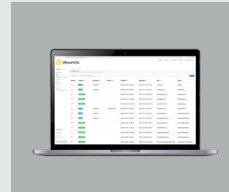
- Scan vehicle network
- Identify all ECUs
- Read out ECU data
- Extract versions, timestamps, logs

3 Upload & Preprocess



- Secure upload via cellular network
- Data preprocessing and brand specific decoding

4 Analysis & Test



- Automatic analysis
- Run customized test cases & test plans

5 Report Generation



- Create detailed customizable reports
- For engineers, management or forensic use



Use Case 1

Independent vehicle data extraction



- ✓ Identification data
- ✓ Timestamps
- ✓ Mileage data
- ✓ ECU version info
- ✓ Network topology

- ✓ Independent readout during testing
- ✓ Precise documentation of vehicle state
- ✓ Baseline for reproducible and comparable results
- ✓ Seamless integration in test workflows



Use Case 2

Cybersecurity tests in driving scenarios



- ✓ OBD2 attack injection
- ✓ Gateway/Firewall verification
- ✓ Intrusion detection
- ✓ Behavior under real driving conditions

- ✓ Realistic attack simulation in vehicle-in-the-loop
- ✓ Verification of gateway firewalling and IDS
- ✓ Test vendor and supplier security solutions
- ✓ Increase security level with automated tests



Remote Test Execution

Run scans without being near the vehicle.



One-Tap Test Execution

No training needed to start a test, making delegation easy.



Customizable Reports

Create tailored reports for different stakeholders



Field-Ready

Can be easily integrated into every corporate workflow

Security Testing, simplified.

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