Iteris V2X Connect™

Advanced and intuitive diagnostic tool to validate CV applications

---

Monitor, decode and validate CV applications in the field or offsite

Visualize CV data in real time on an interactive map

Record and replay V2X messages for offline analysis

Capture and monitor V2X communications with ease

The Iteris V2X Connect™ mobile application provides a process to visually monitor, decode and validate over-the-air (OTA) connected vehicle (CV) data from vehicle-to-everything (V2X) communications. V2X Connect is a packet sniffer and analysis tool that captures the CV OTA network traffic and stores that data for offline analysis.

V2X data generated and broadcast by the vehicle onboard unit (OBU) and associated CV data, like infrastructure roadside unit (RSU) data, is captured and visualized in a real-time display and interactive navigation-style map.

 V2X Connect automatically saves and replays stored driving sessions in raw (Abstract Syntax Notation One – ASN.1) Packet Capture (PCAP) formatted files received from supported vehicle onboard units and generic PCAP files from any manufacturer's OBU and RSU.

Deploy and implement CV applications

Used for connected vehicle system validation and interoperability analysis, the Iteris V2X Connect validation software is a seamless mobile application that assists traffic management agencies and systems integrators in effectively deploying and implementing a variety of connected vehicle applications, including:

- Built-in Wrong Way Vehicle
- Curve/Ramp Speed Warning
- Pedestrian Safety
- Signal Priority applications

The software supports the following SAE J2735 based CV messages:

- SPaT: Signal phase and timing
- MAP: Roadside unit geographic location geometry
- TIM: Traveler information messages
- SRM: Signal request message
- SSM: Signal status message
- PSM: Pedestrian safety message
- BSM: Vehicle basic safety message

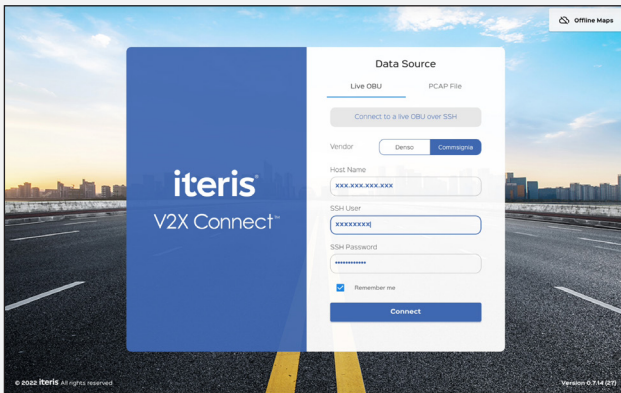OMNIAIR CONSORTIUM | *Certification pending*

iteris®

Key Benefits

- Traffic departments and engineers can endorse mobility and safety-based CV application deployments while managing multiple solutions.

- CV systems integrators can verify data exchange between vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) applications to confirm interoperability between vendor solutions.

- ITS deployment contractors can certify and document CV installations for quick and easy acceptance testing requirements.
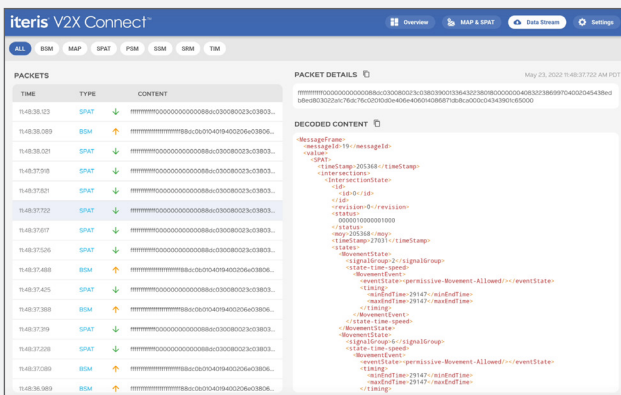
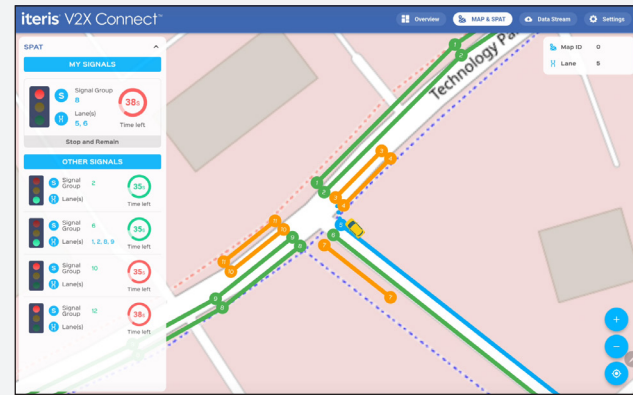| Brand	SAMSUNG
Series	Galaxy Tab A – various models
Android Version	10 or greater
Standing screen display size	10.1 Inches or greater
Max Screen Resolution	1900x1200 Pixels
Hard Drive	32 GB or greater
Flash Memory	32 GB
Wireless Type	802.11b/g/n – various models can include 802.11a/b/g/n

Compatible and Versatile
Connect to live Denso or Commsignia RSUs or analyze pre-recorded PCAP files.

Intuitive and User-friendly
Real-time display of V2X communications

Advanced Data
Save, replay and decode stored driving sessions in raw PCAP format.

Interactive Map
Visualize vehicle activity and V2X communications on a navigation-style map.

iteris.com

iteris®