

# Neavia V2I Station

C-ITS ROAD SIDE UNIT - OUTDOOR



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Neavia v2i Station is the V2X solution for connected roads and autonomous vehicle applications. Neavia v2i station operates on 5.8 / 5.9GHz bands according to US or European standards (WAVE 1609 / EN 302 571). The unit is designed to ensure permanent and rugged use along the roads, while ensuring technological scalability. A wide range of interfaces is available to communicate with sensors for advanced vehicle perception and existing traffic lights.

The embedded software includes a Web HMI and API, as well as all application / communication stacks required to communicate with the vehicles and the traffic management centers.

Delivered with a Bluetooth traffic sensor, the unit can be used to measure travel times, detect traffic jams or determine Origins / Destinations.



## BENEFITS

- ✓ Compliant with C-ITS corridors
- ✓ Available in European & US version
- ✓ Integrated V2X security stack
- ✓ 4G integrated scalable to 5G
- ✓ Bluetooth sensor for travel time and beaconing

## FUNCTIONS

- Configuration Web & PKI Interface
- Remote Supervision & Centralization
- VPN Access
- Signature and control of V2X messages
- Monitoring SNMP / V2X Server
- GPS / NTP automatic synchronization

## APPLICATIONS

- Connected Vehicle
- Autonomous Vehicle
- Traffic Lights intersections
- VMS V2X
- Toll Assistance
- Work Zone Warning

## COOPERATIVE APPLICATIONS VEHICLE-INFRASTRUCTURE



## TECHNICAL CHARACTERISTICS

- Dimensions: 10,6 x 11,8 x 2,7 in
- Weight : 3,30 lbs
- Temperatures : -58°F / +158°F
- IP67
- Option : Model IK10 / Inox 8,80 lbs

## POWER

- Consumption : 6W
- PoE 802.3af / 12V-48V DC

## ANTENNAS

- V2X x2 omnidirectional 5.8Ghz 7dBi
- Bluetooth x2 omnidirectional 5dBi
- Integrated GPS / Cellular Antennas
- Connector V2X type N
- V2X Directional Antenna (option)

## INTERFACES

- Double radio V2X 802.11p 5.9Ghz / Tx +23dBm / Rx -98dBm
- 5G / PC5 (option)
- Bluetooth 2/4 BLE
- Ethernet 10/100/1Gbps
- 3G/4G
- I / O extension module (option)