V2X IS POSSIBLE TODAY

The FLIR V2X enabled traffic management solution can reduce the number of required Road-Side Units (RSU), making the investment pencil out.

In the smart city of today, FLIR V2X provides real-time traffic information, allowing vehicles to "talk" with infrastructure, as well as other vehicles making the road safer. V2X plays an important part in paving the way to connected and automated driving. Sharing information between vehicles and infrastructure requires continuous communication for up to date information about vehicle states and their environment.

V2V VEHICLE TO VEHICLE APPLICATIONS:

Intersection Movement Assist

Left Turn Assist

Emergency Electronic Brake Light

Forward Collision Warning

Blind Spot Warning

Lane Change Warning

Do Not Pass Warning

V2I VEHICLE TO INFRASTRUCTURE APPLICATIONS:

Curve Speed Warning

Reduced Speed Zone

Spot Weather Information

Stop Sign Warning

Railroad Crossing Violation

Oversize Vehicle Warning

Electronic Toll Collection

Pedestrian in Signalized Crosswalk Warning (PSWC)

Traffic signal preemption for emergency vehicles

V2X IN PRACTICE

Traffic management systems have always made use of cameras to monitor traffic and detect traffic users in real time. But with automatic incident detection, traffic signal control or traffic data collection, FLIR V2X Solutions have significantly contributed to the safety and efficiency of our roads.

1 AUTOMATIC INCIDENT DETECTION

Traffic incidents, such as stopped vehicles, wrong way drivers, speed drops, or animals can be detected.

2 TRAFFIC SIGNAL CONTROL

Highly automated traffic control requires extensive detection systems. Road operators generally deploy cameras to detect traffic participants in real-time to be able to change traffic signals 'on demand', increasing vulnerable road user safety.

3 TRAFFIC SIGNAL PRIORITY AND PREEMPTION

Connected traffic signal control is a priority for public transport and emergency vehicles, enabling the rapid movement of those vehicles on urban arterial roads.

TO LEARN MORE VISIT FLIR.COM/V2X

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