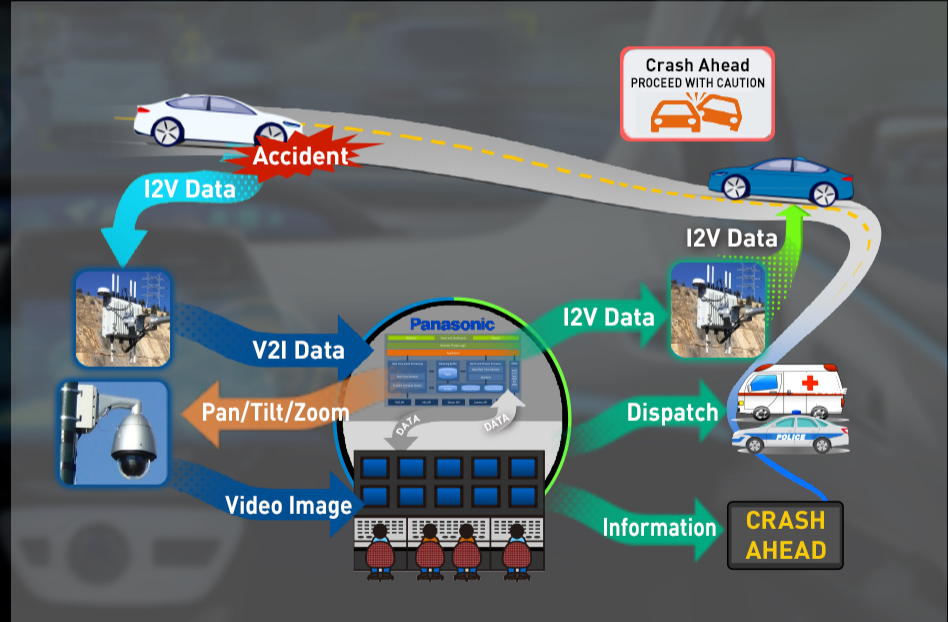


Smart Intersection

V2X Crash Alert

Benefits :

- ▶ V2X technology and roadside cameras closely collaborate to achieve smart road management
- ▶ Road operators can identify the situational awareness with the closest PTZ camera in a short time, and smoothly relay information to police, ambulance, and others



Smart Intersection

V2X Crash Alert

Technical Advantages :

- ▶ Triggered by the input from V2X system
PTZ camera is instantly activated and captures visual of the accident site within 1 second
- ▶ Crystal clear 40x optical zoom with image stabilization enables situational awareness by 1.3 times further distance than conventional 30x zoom camera

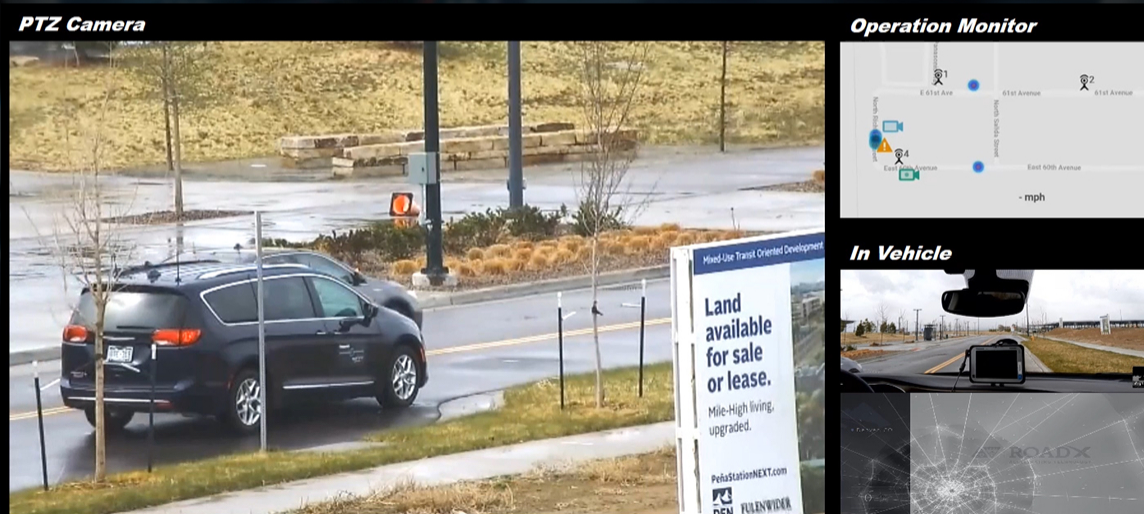


Smart Intersection

V2X Crash Alert

Application :

- ▶ When on board unit sends an airbag or failure signal, Panasonic Data Platform automatically controls PTZ camera and displays the accident site quickly



Smart Intersection

Video Analytics for Pedestrian Safety

Benefits :

- ▶ Coupling video analytics technology, we are allowing smart communities to collect, analyze, and share reliable data for better understanding of traffic safety issues
- ▶ By linking with V2X and traffic signal, it can advance smart cities toward realization of Vision Zero

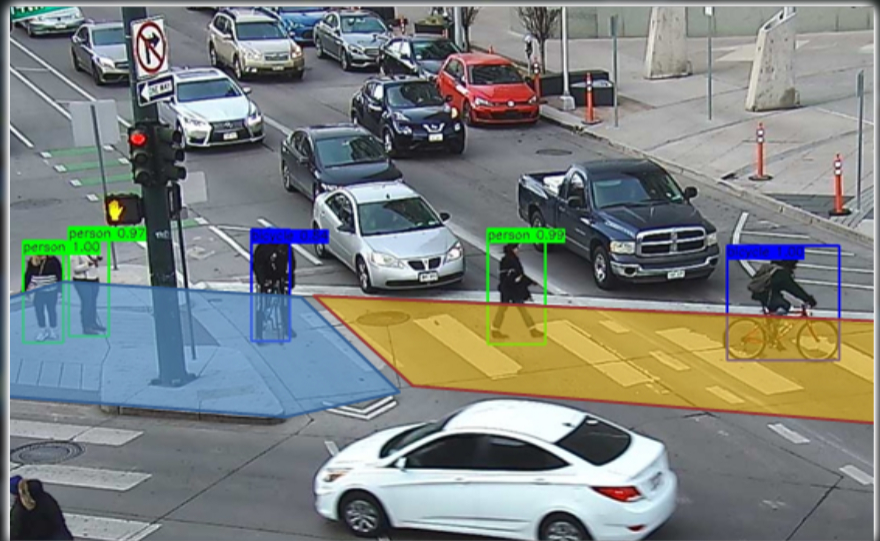


Smart Intersection

Video Analytics for Pedestrian Safety

Technical Advantages :

- ▶ Object Recognition Technology, which boasts the precision of 99% or above (Identifiable objects : Pedestrian, Bicycle, Motorcycle, Vehicle)
- ▶ Counts the number of each object all at once, measures moving speeds and dwell time at the sidewalk
- ▶ Analyzes the movement of pedestrians and bicyclists in effort to realize safer intersections in cooperation with V2X system and traffic signal controller



Smart Intersection

Video Analytics for Pedestrian Safety

Application :

- ▶ Object Recognition Technology will improve safety of the pedestrian and bicyclists, as well as manages targeted intersections in better ways

