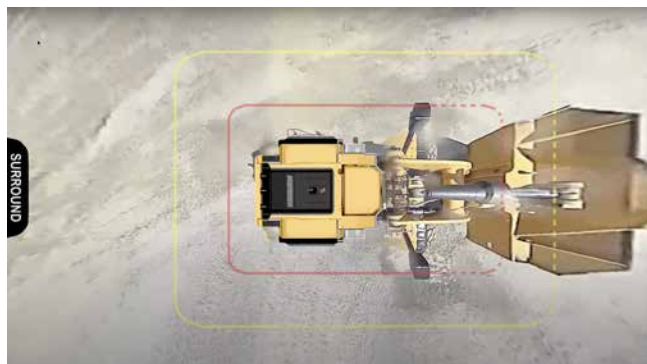




VIA Mobile360 Heavy Equipment Safety System

Prevent accidents and save lives with the VIA Mobile360 Heavy Equipment Safety System. Built to excel in the most demanding environments, this tough and versatile system leverages its powerful 360-degree video and mmWave radar smart sensor fusion technology to provide operators with real-time alerts of approaching vehicles, machinery, and workers in all weather, lighting, and working conditions.

With its robust and flexible design, including a ruggedized waterproof enclosure and a wealth of ultra-reliable accessories, cables, and mountings, the system can be installed on a wide range of excavation, mining, and construction vehicles.

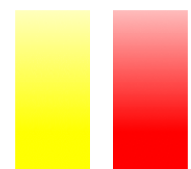


Smart Sensor Fusion

To ensure the accurate and timely detection of potential safety hazards in all weather, lighting, and operational conditions, the VIA Mobile360 Heavy Equipment Safety System features smart sensor fusion technology combining camera detection with mmWave radar sensors. A single, unified interface on the in-cabin screen featuring real-time 360-degree video makes it easy for operators to view alerts and see everything that is happening around their vehicle.

Smart Detection

The VIA Mobile360 Heavy Equipment Safety System features two configurable Warning and Critical detection zones to notify operators of potential hazards around the left, right and rear sides of the vehicle. Whenever the system detects an object or a person in either detection zone, it displays a color-coded indicator on the operator's in-cabin screen. If it deems the object or person as a threat due to their trajectory, a blue box will flash around the color-coded indicator and the corresponding audio alert will also be played to alert the operator of the impending danger.



No Threat



Threat



Reverse Gear

When the vehicle is reversing, all objects detected by the system's rear camera and radar are treated as threats regardless of their trajectories, enabling the operator to take extra care when carrying out this most collision-prone maneuver.

Ruggedized System

Designed to excel in the toughest environments, the VIA Mobile360 Heavy Equipment Safety System comprises a robust VIA Mobile360 M810 System with an IP67 ruggedized waterproof enclosure plus a wealth of ultra-reliable accessories, including four FOV190° IP69K 720p cameras, three IP69K 77GHz mmWave radar sensors, a choice of 8.2" and 10.1" HD monitors, and a high-quality speaker. An extensive range of mountings and cables is also available.



Supported Vehicles

With its flexible design, the VIA Mobile360 Heavy Equipment Safety System can be installed on a wide variety of vehicles, including the CAT 972M, CAT 980M, CAT 988K, CAT 775F, and John Deere 724. Contact us to learn more about our comprehensive range of customization services for all classes of vehicles and usage scenarios.

Benefits

- Increased safety in all lighting and weather conditions
- Reduced vehicle downtime caused by accidents
- Enhanced operational efficiency and staff wellbeing
- Lower insurance costs

Component List

- VIA Mobile360 M810 in-vehicle safety system
- Ruggedized waterproof enclosure
- Four FOV190° IP69K 720p cameras with housing
- Three IP69K 77GHz mmWave radar sensors with housing
- 8.2"/10.1" HD monitor
- 4.4W self-amplified speaker

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