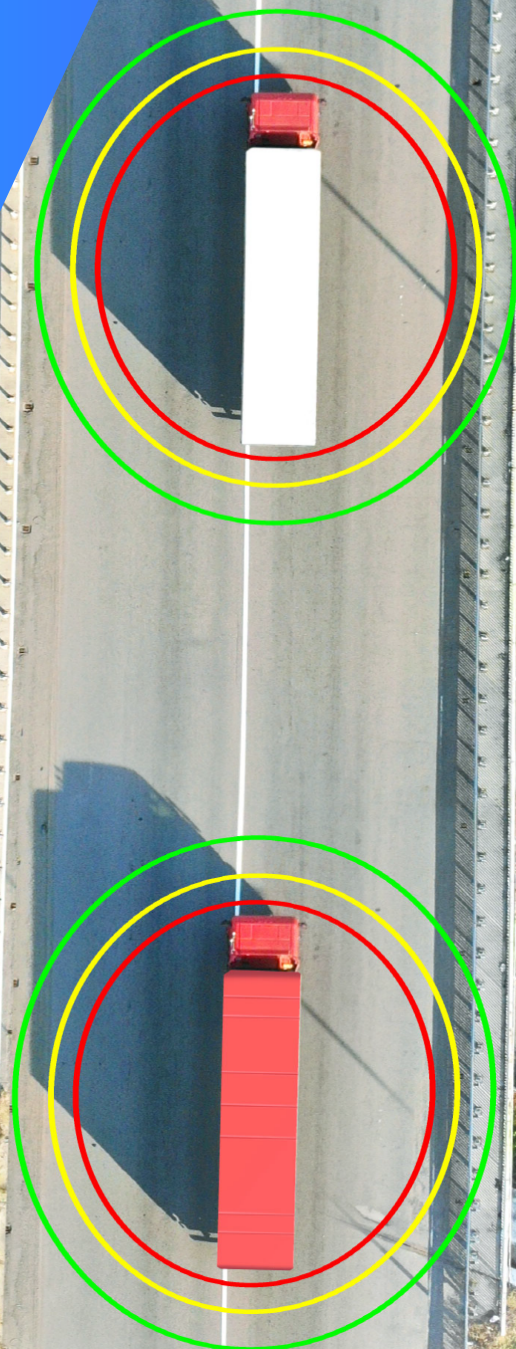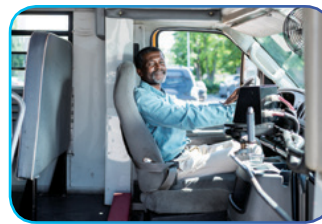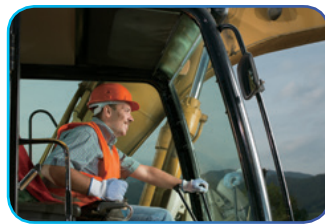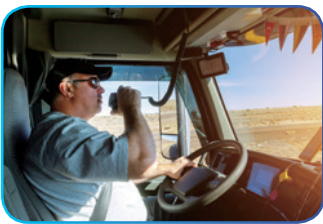YOUR GUIDE TO:

VIA Mobile360 Surround View System

VIA Mobile360 SVS

Increase driver situational awareness and intelligence with the VIA Mobile360 SVS system. By providing drivers with vivid panoramic views of everything that's happening around them in real time, this ultra-reliable in-vehicle system not only improves manoeuverability, but also reduces the possibility of accidents and fatalities. With its flexible and high-performance design, VIA Mobile360 SVS offers a wealth of hardware and software customisation options to meet your specific deployment requirements for any environment – from buses and trucks to heavy vehicles and last-mile deliveries.

A wide array of customisation options is available to meet specific usage requirements in almost any environment.
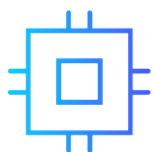
Key Features Include:

➤ Qualcomm® APQ8096SG Embedded Processor

➤ Supports up to nine cameras though FAKRA connectors

➤ Integrated Gigabit Ethernet, Wi-Fi, BT 4.1, and GPS

➤ Optional 4G LTE modem

➤ 9-36V DC-in with ACC/IGN support & 12V/1A DC-out

VIA Mobile360 ADAS System Benefits

➤ Ruggedised chassis optimised for in-vehicle operation

➤ Supports up to nine cameras though FAKRA connectors

➤ Stunning real-time 360° video processing and display

➤ VIA Mobile360 ADAS integration options

➤ VIA Mobile360 DMS integration options

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Hardware

With its ruggedised chassis, extended temperature support, and flexible voltage input, VIA Mobile360 SVS has been specifically designed to withstand the rigors of in-vehicle operation in the most demanding on-road and off-road conditions. Harnessing theleading- edge compute and graphics performance of the Qualcomm® APQ8096SG Embedded Processor, the system enables simultaneous real-time video capture, processing, and display from up to nine cameras.

Camera & Display Integration

VIA Mobile360 SVS offers flexible integration options for up to nine cameras, including a choice of validated automotive-grade FOV-190 cameras for Surround View functionality and FOV-40 cameras for ADAS functionality. A 10.1" projective capacitive display option is also available.
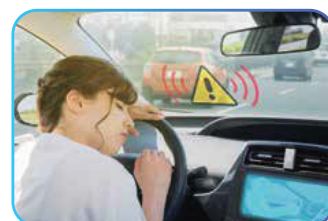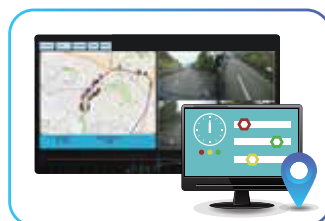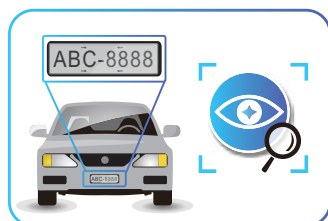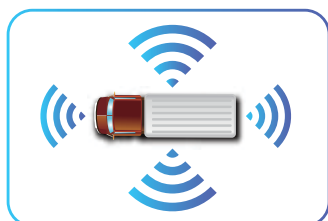
SVS Features

VIA Mobile360 Surround View utilises VIA Multi-Stitch technology to seamlessly combine multiple camera streams on the fly to create an encompassing real-time spherical view of a vehicle's surroundings, providing the most effective solution for driver monitoring, safety, and vehicle tracking. Dynamic Multi-Directional Monitoring enables the driver to view the surrounding environment of the entire vehicle from virtually any perspective – enabling them to quickly and accurately identify potential safety risks and take corrective action.

Customisation Options

VIA Mobile360 SVS functionality can be expanded with the integration of VIA Mobile360 DMS (Driver Monitoring System) technology for monitoring and detecting diverse aspects of driver behavior and VIA Mobile360 ADAS technology, including Blind Spot Detection (BSD), Forward Collision Warning (FCW), Lane Departure Warning (LDW), Speed Limit Detection (SLD), Pedestrian Detection Warning (PDW), and Rear Collision Warning (RCW).

Other options include Parking Assist System (PAS) and Dynamic Moving Object Detection (DMOD). VIA Mobile360 E-Track is also available, featuring a cloud portal that enables real-time vehicle tracking, driver monitoring, and asset management.

If you are interested in how we can customise the VIA Mobile360 SVS to fit your specific needs, please don't hesitate to get in touch with us.

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